

were removed from the quarry site. There is every possibility of a land slide, which may totally wash away hundreds of houses located down to the quarry project. There was no traffic regulation system in front of the quarry gate. The roads and the built structures are damaged. The complainant also claims several violations in EC conditions. The Complainant also is perusing the following cases in various courts against the proposed quarry.

SL. No	Case No.	Court	Petitioner
1.	WP (C) No. 39671/2018	High Court of Kerala	V. Resalayyan
2.	WP (C) No. 17051/2020	High Court of Kerala	V. Resalayyan
3.	WP (C) No. 13150/2022	High Court of Kerala	S. Rajendra Prasad
4.	WP (C) No. 14424/2022	High Court of Kerala	R. Rajesh
5.	WP (C) No. 15771/2023	High Court of Kerala	K. Sunil Babu
6.	WP (C) No. 24543/2023	High Court of Kerala	S. Rajendra Prasad
7.	WP (C) No. 7203/2023	High Court of Kerala	K. Sekharan
8.	OA No. 87/2023	NGT, Chennai	V. Resalayyan
9.	SLP No. 29379/2023	Supreme Court	K. Sekharan

The 148th meeting of the SEIAA held on 27th & 28th September 2024 decided that the SEAC shall conduct a field inspection considering the complaint and letter from the Central Empowered Committee. **Based on discussion, the Committee decided to (i) seek response from the M/s Travancore Ready Mix Pvt Ltd. on the complaint received (SEIAA Secretariat shall provide a copy of the complaint to the project proponent) and (ii) entrust Dr. R. Ajayakumar Varma, Dr. A. Bijukumar and Smt. Sreeja R to conduct a field inspection considering the complaint and letter from the Central Empowered Committee and report.**

PARIVESH FILES (Ver-1)

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

PART-1

Item No.01 **Environmental Clearance for the expansion of existing Building Construction of Residential Project (Condor Cyber Gardens) M/s Condor Builders Pvt. Ltd. at Sy. Nos. 157/20, 172/4 & others in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram. (SIA/KL/INFRA2/443950/2023, 2420/EC3/2023/SEIAA)**

The Committee verified the additional documents submitted by the project proponent vide letter dated 21.08.2024 and not found satisfactory. The Committee found that the Project Proponent submitted notarized affidavit stating that the existing build structures are developed prior to expiry of EC validity on 12.07.2018 along with CCR from MoEF&CC. The Committee found that the additional documents sought in 164th and 168th SEAC meeting are not acceptable as documentary evidence to prove that all the existing built structures are

developed prior to 12/07/2018. As per the google imagery, it is observed that the construction was going on even after the date of expiry of the EC, i.e. 12.7.2018. **In the circumstance, the Committee decided to refer the proposal to the Authority for appropriate action.**

Item No.02 Environmental Clearance for the Granite Building stone quarry of Sri. Sebastian. V. J for an area of 2.0827 Ha at Survey Nos. 1/166 in Pullippadam Village, Nilambur Taluk, Malappuram. (SIA/KL/MIN/129437/2019, 1539/EC3/2019/SEIAA)

As invited, the authorised person Sri. Sunny Joseph and the consultant Dr. A. Dhamodhara were present. The Consultant made the presentation. As per the revised mining plan submitted 19/07/2024, the total mineable reserve is 5,97,872.5 MT. The project cost is 2.5 Crore. The life of mine is 10 years. As per the Cluster Certificate 15.11.2019, there is no working quarries within 500m radius of the proposed site. The highest elevation of the proposed area is 110 m MSL and the lowest elevation of the proposed area is 75 m MSL. Nearest habitation is located at 51.3 from the project boundary. As per the presentation, the site is located at a distance of 141.42m from the medium hazard zone. The distance to high hazard zone is 843m from the proposed site. The Committee noted that the KML file uploaded in the application is that of an area near to Nediyruppu, but the latitude and longitude details indicate the site is at the foot hills of Vavul mala (~10 km from the site) near to Mundakkai landslide region and Kakkadampoil hills (~7 km from the site), and the region as such is environmentally vulnerable. **Based on discussion, the Committee decided to entrust Dr. R. Ajayakumar Varma and Sri. Sheik Hyder Hussain for field inspection and report.**

Item No.03 Environmental Clearance for the granite building stone quarry project of Sri. Abdul Razack. K for an area of 0.5634 Ha at Sy.No.35 in Kariavattom Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/257046/2022, 2046/EC6/2022/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the revised EMP the project cost is revised as 107 lakhs. The depth to water table is given as 9m bgl at 88AMSL. As per the approved mining plan, the total mineable reserve is 84,630 MT for a mine of 5 years. The highest elevation of the permit area is 140m MSL and lowest elevation is 100m MSL. The distance to high hazard zone is 15.20km and the distance to medium hazard zone is 740m. The distance to nearest house is beyond 100m from the project boundary. The presentation of the proposed project was heard in the 163th SEAC meeting. **Based on discussion, the Committee decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions. The EC may be issued after obtaining 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.**

1. A temporary protection wall with light roofing sheets for 5m height connecting

boundary pillars BP1-BP5-BP4-BP3-BP2 should be developed prior to the commencement of mining activities.

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.04 **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 scrutinized the additional documents submitted by the project proponent and found them satisfactory except the Digital Elevation Model of the site and surroundings. As per the additional documents submitted dated 21.09.2024, the Project Proponent submitted the photograph of demolished built structures within the proposed site. The Project Proponent clarified the mineable reserve and life of mine since discrepancy in figures in documents submitted. The total mineable reserve is 625,350 MT for a mine life of 5 years. The total EMP cost proposed is 25.6 lakhs. The total project cost is 2 crore. The depth to water table is 6m below the ground level at 295m AMSL. The highest elevation of the proposed area is 400m above MSL and the lowest elevation is 340m above MSL. The PP submitted NOC from the District level Crisis Management Committee vide letter dated 16.08.2024 subject to safe storage of top soil adopting adequate protective measures and mining by controlling the ground vibrations. The Committee noted that the DEM developed is confined exclusively to the proposed site only thereby decision based on it is difficult. **Therefore, the Committee decided to direct the Project Proponent to submit the following;**

1. **Re-submit the Digital Elevation Model (DEM) of the proposed site covering the surrounding impact zone up to 500m radius from the project Boundary.**
2. **The 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.05 **Environmental Clearance for Laterite (Building Stone) Quarry of Sri. Suhaib Kunnan for an area of 0.9588 at Re-Survey Nos. 7/2-6, 7/2-12, 7/2-13, 7/2-20 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala. (SIA/KL/MIN/413609/2023, 2204/EC1/2023/SEIAA)**

The Committee examined the additional documents submitted 05.09.2024 and found satisfactory. As per the revised mining plan. The total quantity proposed for mining is 1,07,865 MT with a recoverable quantity of 75,505.5 MT. The life of mine is 2 years. The project cost is 22 lakhs. The nearest house is located at a distance of 75.3 m from the project site. The depth to water table is given by 6m bgl at 60m AMSL. The highest elevation of the proposed area is 92m AMSL and the lowest elevation is 84m AMSL. The distance to high

hazard zone is 30.36km and the distance to medium hazard zone is 6.90km. The Project Proponent also submitted Comprehensive EMP prepared by a NABET Accredited consultant by including all adjacent laterite mining projects. **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 project proponent should comprehensively implement the EMP by considering the adjacent project sites.
2. The depth of mining should be limited to 4m below ground level.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. 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.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. 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.
14. 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.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. 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.
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)

Item No.06 Environmental Clearance for Laterite (Building Stone) Quarry of Sri.Bharathan for an area of 0.9532 ha at Survey Nos: 7/2-14, 7/2- 15, 7/2-8, 7/2-7 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala (SIA/KL/MIN/415821/2023, 2222/EC1/2023/SEIAA)

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The Project Proponent also submitted Comprehensive EMP prepared

by a NABET Accredited consultant by including all adjacent laterite mining projects. As per the application, the total quantity proposed for mining is 95,320 MT with a recoverable quantity of 66,724 MT for a mine life of 2 years. As per the additional documents submitted 14.08.2023, the project cost is revised as 25 lakhs. The nearest house is located at a distance of 86m from the proposed site. The highest elevation of the proposed area is 96m AMSL and the lowest elevation is 82m AMSL. The depth to water table is 6m below ground level at 66m AMSL. The mine void is 4m bgl. The medium hazard zone is beyond 20.40 m from the proposed area. The Committee heard the presentation in its 144th meeting. The field inspection was conducted on 15.06.2023. **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 project proponent should comprehensively implement the EMP by considering the adjacent project sites.
2. The depth of mining should be limited to 4m below ground level.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. 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.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. 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.
14. 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.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. 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.
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)

Item No.07 **Environmental Clearance for Laterite (Building Stone) Quarry of Sri.Abdu Rasak for an area of 0.9400 ha at Block No 25, Re-Survey Nos: 7/2-10, 7/2-9, 7/2-8, 7/2-16, 7/2-17 in Koppam Village, Pattambi Taluk, Palakkad District, Kerala (SIA/KL/MIN/415955/2023 , 2221/EC1/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and found them satisfactory. The Project Proponent also submitted Comprehensive EMP prepared by a NABET Accredited consultant by including all adjacent laterite mining projects. As per the application, the total quantity proposed for mining is 1,05,750 MT (47,000+ 58,750) with a total recoverable quantity of 74,025 MT. The life of mine is 2 years. The nearest house is located at a distance of 148.1 m from the proposed site. As per the additional document submitted vide letter dated 14.08.2023, the revised project cost is 25 lakhs. The highest elevation of the permit area is 96m AMSL and the lowest elevation is 82m AMSL. The depth to water table is 6m bgl at 66m AMSL. The Committee heard the presentation in its 144th meeting. The field inspection was conducted on 15.06.2023. **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 project proponent should comprehensively implement the EMP by considering the adjacent project sites.
2. The depth of mining should be limited to 4m below ground level.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. 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.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. 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.
14. 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.

15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. 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.
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)

Item No.08 Environmental Clearance for the Granite Dimension Stone Quarry Project of Sri. T.D Ponraj for an area of 1.3065 Ha at Survey Nos.118/20,118/7,118/8, 118/27, 118/27-1, 118/21pt, 118/23pt, 120/5, 117/3pt in Ottasekharamangalam Village, Kattakada Taluk, Thiruvananthapuram.
(SIA/KL/MIN/440548/2023, 2435/EC3/2023/SEIAA)

The Committee examined the proposal and discussed the field inspection report conducted on 03.08.2024. As per the Pre-feasibility report and Presentation, the total mineable reserve is 4,22,544 MT but as per the mining plan it is 1,69,017.1 MT. 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 AMS. As per the Cluster Certificate dated 09.10.2023 states that 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. After discussing the Field Inspection Report the Committee noted the following salient aspects in the field.

1. Land is under healthy rubber plantation.
2. Soil thickness is relatively low (About 1.50 m) and moderate slope.
3. It is an existing Granite Dimension Stone Quarry
4. Stone cutting method is proposed hence no blasting action

Based on the observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application:

1. Proof of application submitted to the NBWL for Wild Life Clearance as the Neyyar Wild Life Sanctuary is at 3.15 km
2. Proposal for re-grassing the mining area and any other area which may have been disturbed due to the mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. in compliance with the direction dated 8th January 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No.114/2014, Common cause vs Union of India & Ors.
3. Clarification regarding the natural stream observed as per the google map
4. Certificate from the mining and geology department stating that the quantity already mined out has not exceeded the quantity as per prospective licensee and the mining has been done as per DEIAA EC dated 19.05.2018.
5. Recently certified survey map showing all the built structures within a 200m radius.
6. Proposal for managing the quarry waste.

7. Details of site-specific garland drain proposed as there is break in the boundary due to earlier mining activity.
8. Details of side protection proposed for topsoil.
9. Proof of the boundary pillars provided all around the quarry site.
10. Details/ plan of buffer zone proposed
11. Details of proposed compensatory afforestation with local species of trees, geo-coordinates of proposed area for afforestation.
12. Anticipated noise levels and proposed action for controlling noise at the time of horizontal and vertical boring of Granite stones/ blocks, as there are habitations and public road within 125 m.
13. The actual minable reserve from the proposed area as there is difference in the mineable reserve shown in the approved mining plan and in the PFR
14. Clarification for non-submission of Certified Compliance Report from the IRO, MoEF & CC, Bangalore

Item No.09 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 scrutinized the additional documents submitted by the project proponent and found them satisfactory. As per the application, the total mineable reserve is 901513 MT. The life of mine is 10 years. The highest elevation of the permit area is 42 m AMSL and lowest is 26 m AMSL. The Distance to high hazard zone is 7.6 km and to the moderate hazard zone is 2.61 km. The total project cost is Rs.2.25 crores. As per the Survey Map, there is a Crusher unit is at 55m. As per the Certificate dated 28.03.2023, the proposed area of 3.9640 ha at Resurvey no 220/2 is under the possession of Smt. Mini Varghese and Sri. Mithun Paul Varghese. The Certificate dated 01.04.2023 states that the 0.2360 Ha area at Resurvey no 209/1 is under the possession of Mini Varghese. The Village officer's letter dated 19.03.2024 also states that the Resurvey numbers of the proposed area are not assigned for Plantation or Agriculture purposes. As per the RTI, from the Public Information Officer also states that there is no Revenue records regarding the land assigned for Rubber plantation. As per the report of the Tahasildar dated 05.08.2024, Sri. Asokan K.P filed a WP(C) 9439/2024 in the Hon'ble High Court against the quarry license of Bissy Kunjappan and documents produced by the Village officer. However, considering representations submitted by the Project Proponent the land is not assigned for rubber plantation as per the revenue records. Based on discussion, the **Committee observed that the site is feasible for mining and decided to recommend EC for 10 years subject to (i) resolving the case before the Hon'ble High Court of Kerala, (ii) legal verification of the submission made by the PP regarding the ownership of land by the Legal Officer, SEIAA, (iii) 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 and (iv) recommending the following specific conditions:**

1. The depth of mining should be limited to 20m AMSL considering the depth to water table.
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.10 **Environmental Clearance for Granite Building stone quarry of Sri. Vinodlal. N, M/s Daiwik Industries Pvt. Ltd. at Re-Sy. Nos. 346/1-2, 347/2- 4, 346/3, 346/1-1, 346/1-3, 347/5, 347/4, 346/4, 346/1-9, 347/2-3, 346/1-5, 346/1- 4, 346/1-7, 346/1-8, 354/1-5-1, 354/1-5, 354/1-16, 355/7, 345/4, 345/6, 345/3-1, 354/1-3, 354/1-7, 347/1, 347/2-1, 347/2, 355/6, 345/3, 354/1-7-1, 346/2-1, 347/3- 2 in Block No. 48, Aryanad Village & Panchayat, Nedumangad Taluk, 152 Thiruvananthapuram District, Kerala for a Mine Lease (ML) area of 5.4586 ha. (SIA/KL/MIN/444972/2023, 2407/EC3/2023/SEIAA)**

The Committee scrutinized the additional documents submitted by the project proponent and observed that a detailed scrutiny is required and hence **decided to defer the item for detailed scrutiny in the next meeting.**

Item No.11 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Ibrahim Palakkan, M/s Rox Silicon Private Limited for an area of 4.5070 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 scrutinized the additional documents submitted by the project proponent vide letter dated 10.09.2024. As per the revised mining plan, the area proposed for mining is 4.5070. The highest elevation of the proposed area is 190m AMSL and the lowest elevation is 80m AMSL. The total mineable reserve is 11,55,816 MT for a mine life of 12 years. As per the revised EIA report, the depth to water table of the mining lease area falls between 7.0m to 13.0m below ground level. The nearest house as per the survey map is 287.4m from the BP2. The Project Proponent submitted an explanation for non-submission of the NOC from the District Level Crisis Management and requested to exempt the requirement of NOC since they provided additional buffer hazard zone. **Based on discussion, the Committee decided to recommend EC for a period of 12 years subject to the following specific conditions in addition to the general conditions. The EC may be issued subjected to the submission of the following documents.**

1. 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.
2. The NOC from the District Level Crisis Management Committee should be submitted considering the environmental fragility, overall slope and soil thickness of the area with considerable number of granite building stone quarries in surroundings.

The EC may be subject to the following Specific conditions in addition to the general conditions.

1. All the assurances and the mitigation measures given by the project proponent as per the minutes of public hearing should be complied with and submit the report along with HYCR.
2. The additional buffer from the Hazard zone agreed by the Project Proponent should be maintained prior to commencement of mining.
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.12 Environmental Clearance for the Granite Building Stone quarry project of Sri. Kaderbabu E.K for an area of 3.4739 Ha at Block No.2, Sy.No.111/4, 111/7, 111/8, 111/2, 111/10, 111/5, 111/6 in Kannamangalam Village, Tirurangadi Taluk, Malappuram. (SIA/KL/MIN/47565/2019, 1515/EC3/2019/SEIAA)

The Committee examined the proposal and discussed the evaluation report in detail. As per the revised EIA report, the depth to water table is varying between 15m to 20m below the exiting ground level. The total mineable reserve is 42,15,497.5MT for a mine life of 12 years. The highest elevation of the proposed area is 365m MSL and the lowest elevation is 190 m MSL. The majority area falls under moderate hazard zone and therefore, Proponent has to submit NOC from District Crisis Management committee. **Based on discussion, the Committee decided to direct the Project Proponent to submit the documents/ details for the following shortcomings.**

1. Details pertaining to TOR 22: In the table it is mentioned that “The mineralogical composition of PM10, particularly for free silica will enclosed as Annexure II”. However, annexure II is not attached to the revised EIA.
2. Detailed pertaining to TOR 26: This is given as “The details on the Water Conservation and rain water harvesting is enclosed as Annexure II”. However, annexure II is not attached to the revised EIA.
3. Details pertaining to ToR 34: Detailed proposal on mine closure plan is not given.
4. Details pertaining to TOR 38: In the compensatory afforestation plan suggested Miyawaki Model Afforestation will be adopted for this project. This project suggests about 1500 plants shall be planted in 1.6912 Ha areas. But the details of land for afforestation are not provided in the EIA report. In the table it is give that “The Compensatory Afforestation Plan is enclosed as Annexure XV”. But Annexure is not attached to this. Budget is revised and adequate.
5. In the landslide proneness study, the results are not described in detail. The figure given in this part is not self-explanatory making it difficult to arrive at a conclusion.
6. Revise the EIA report including all annexures.
7. 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.

8. The NOC from the District Level Crisis Management Committee should be submitted considering the environmental fragility, overall slope and soil thickness of the area with considerable number of granite building stone quarries in surroundings.

Item No.13 **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 Nediirippu Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/77965/2019, 1278/EC2/2019/SEIAA)**

The Committee examined the additional documents submitted by the project proponent vide letter dated 03/09/2024. As per the affidavit the PP swear that the mining operations will be commence after getting the NOC the District level crisis Management Committee. **Based on discussion, the Committee decided that the Sub-Committee consisting of Dr. A.V. Raghu and Prof. V. Gopinathan will the revise the FIR incorporating the details of the evaluation of EIA/EMP Report. The Committee also decided to direct the Proponent to submit the following additional documents.**

1. 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.
2. The NOC from the District Level Crisis Management Committee should be submitted considering the environmental fragility, overall slope and soil thickness of the area with considerable number of granite building stone quarries in surroundings.

Item No.14 **Integrated Clearance for CRZ & Environment Clearance Proposed Special Residential (A2 Category as per KMBR) (Hotel, Resort project) to be developed by M/s Travancore Enterprises Pvt. Ltd. at Re-Survey Nos.19/6, 19/8, 2911-1, 1911, 1912, Vizhinjam Village, Thiruvananthapuram Corporation, Neyyattinkara Taluk, Thiruvananthapuram. (SIA/KL/INFRA2/420272/2023, 2231/EC1/2023/SEIAA)**

As invited the project proponent Sri. Mr. Asish Sivan, Director, M/s Travancore Enterprises Pvt. Ltd and the consultant Sri Jomon of M/s Environmental Engineers & Consultants Pvt. Ltd. were present. The consultant made the presentation. As per the application, the plot area is 3.0374 ha and built-up area is 24,446.26 sq.m. The FAR proposed is 20,929.65 sq.m. (@0.69) and the permissible limit is @2.5. The project cost is Rs. 675 Crores. The elevation of the proposed area is between 24 lvl to 3 lvl. As per the presentation, the application for obtaining KCZMA clearance is under processing and the project site is located in CRZ-II category. The Project proponent conveyed that the design of the proposed project was revised by avoiding the basement as per the NOC issued from the Ground Water Department vide letter dated 02.09.2024. The daily water requirement proposed is 153 KL (fresh 96 KL+ recycled 57 KL). The fresh water requirement is met by an integrated water management scheme from stored rain water tanks (1,500 KL) or KWA supply. The ground water table in

the project area is high at about 1.6 m. - 2 m. **Based on discussions, the Committee decided to submit the following additional documents.**

1. List of plants proposed for buffer zone/ compensatory afforestation is to be revised.
2. Revised CER after evaluating the feasibility of the proposed site with detailed plan.
3. Revised EMP considering the protection and aesthetics of the beach front.
4. Modification required considering the beach carrying capacity as well as the Tourism Master Plan for the coast of Kovalam and adjoining areas, if any.
5. KCZMA approval for the proposed project.

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

Item No.01 **Revalidation of Environmental Clearance issued by SEIAA for the building stone quarry project of Sri. C.K. Abdul Azeez, Managing Director, M/s Grand Stone Metals Pvt. Ltd for an area of 4.8240 Ha at Sy. No. 3, 21/1, 21/2, 22, 23, 24 in Kannamangalam Panchayat & Village, Thirurangadi Taluk, Malappuram. (ADS Received). (Proposal No. SIA/KL/MIN/306709/2023, File No.906/SEIAA/EC1/3538/2015)**

The project was issued environmental clearance by SEIAA on 16.11.2017 for a period of five years. The validity of EC was expired on 15.11.2022. Vide judgment dated 02.11.2020 in WP (C) 17533/2020, there was a direction to re-validate the EC based on the recommendation of the appraisal committee on the life of mine within four months from 02.11.2020. Accordingly, on considering the application, field inspection was conducted on 16th August 2021. The project area was 4.8240 Ha, the mineable reserve as per the Mining Plan approved on 03-06-2016 was 21,38,149 MT and the life of mine was 22 years. The 124th meeting of SEAC recommended that the proponent will be eligible for revalidation of EC order with the project life of 22years from the date of issuance of the first EC order subject to review every five years, subject to the submission of the compliance report five conditions stipulated. The 112th meeting of SEIAA to consider the EC revalidation proposal recommended by SEAC subject to the compliance of the recommendation by the SEAC within 6 months, verification of compliance by SEAC through field inspection for confirmation of compliance, submission of revised Scheme of Mining, CCR, recent Cluster Certificate, Hazard Zonation Map and other documents pending submission. The field inspection for re-verification of the compliance of conditions was held on 30.11.2022 after submission of documents by the PP. The 136th SEAC meeting sought revised Scheme of Mining or Certificate regarding the balance resource available for extraction, geo-tagged photographs showing the strengthened fencing and geo-tagged photographs showing rectification of bench height and maintenance of 45° slope. SEIAA in its 127th meeting directed the PP to apply in the PARIVESH portal with all documents. The 169th meeting of the SEAC directed the Proponent to submit the additional documents sought in the 136th SEAC meeting.

The committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the scheme of mining dated 12.06.2023, the remaining mineable reserve is 14,87,845 MT. The EC for the proposed project was issued vide EC No. 906/SEIAA/EC1/3538/2015 dated 16.11.2017 for 22 years. As per approved plan, the mine was operational for 5 years. As per the lease document No. 854/2017-18/8450/M3/2015/DMG dated 13.03.2018 states that the quarrying lease for the proposed project was issued for 12 years (26.03.2018-25.03.2030) from the date of execution of the quarrying lease deed under the KMMCR, 2015. The PP also submitted the photographs showing rectification of bench height and maintenance of 45° slope. **The Cluster status of the site is not verified as the cluster certificate is not found uploaded. However, the SEAC has not been considering the cluster condition for revalidation of the project life. Based on discussion, the Committee decided to recommend revalidation of the EC for the project life of 12 years with the following specific conditions in addition to general conditions. The EC may be issued after obtaining 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.**

1. All the specific conditions stipulated in the original EC dated 16.11.2017 shall form part of this EC as well.
2. Depth of mining should be limited to confine the mining to the terrain slope and prevent formation of mine pit to avoid water impoundment in the sloping terrain.
3. The natural drain in and around the proposed area should be preserved and drainage should be allowed without any hindrance.
4. The non-compliance, if any, reported in the CCR should be rectified within 6 months and the rectification report should be uploaded along with the HYCR.
5. A buffer distance of 100m should be maintained between the project boundary and all the built structures near the proposed site.
6. A temporary wall of 5m height should be provided at appropriate locations prior to the commencement of mining to avoid disturbance and nuisance to the nearby residences and other built structures.
7. The green belt should be initiated prior to the commencement of mining using indigenous species.
8. Compensatory afforestation should be done prior to the commencement of mining, by planting local species of trees in the land owned by the proponent, at the lower portion of the proposed site.
9. 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.
10. Overflow water from the siltation pond should be discharged to the nearby natural drain after adequate filtration
11. Overburden should be stored at the designed place and gabion wall should be provided for the topsoil and overburden storage sites

12. 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.
13. Geotagged photographs of the progress of compensatory afforestation should be submitted along with HYCR
14. 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.
15. The haulage road should be provided with sprinkling facility to prevent dust pollution.
16. 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).
17. 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.
18. 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).
19. Adequate sanitation, waste management and restroom facilities should be provided to the workers.
20. 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
21. 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
22. Adequate number of avenue trees of indigenous species should be planted along both sides of the haulage road.
23. Adequate facilities should be adopted to harvest the rainwater as per the guidelines issued by the Central Groundwater Authority.

PARIVESH FILES (Ver-1)

PART-2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 **Environmental Clearance for the existing Steel making and Rolling Mill of Sri. Moidu K E, Managing Director, M/s Peekay Rolling Mills (P) Ltd at Sy. No. 50 (Part), 53 (Part), 54 (Part), 55 (Part), 56 (Part) and 58 (Part) in Cheruvanoor Village, Kozhikode Taluk , Kozhikode (SIA/KL/IND1/439827/2023, 2209/EC4/2023/SEIAA)**

The committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application the ToR for the proposed project was approved vide letter No. SIA/KL/IND1/416949/2023 dated 02.05.2023. The land area is 2.18 ha (5.38 acres). The project cost is Rs. 53.5 crores. Permitted water quantity is 120.5 KLD. The elevation of the proposed site is 22-27 m. It is noted that as per S.O.3250 (E) dated 20.07.2022 of MoEF&CC, public consultation is exempted for the proposed activity. The proposed production capacity is 100 TPD of MS Billets and 110 TPD of TMT Bars. The nearest habitation from the plant site is Nallalam village at a distance of 100m in the NW direction (as in PFR). The total water requirement is 120.5 KLD. The KWH approved non-domestic connection for water requirement vide letter dated 23.07.2019. The Kadalundi Bird Sanctuary is located at a distance of 8.73Km. **Based on the discussion the Committee decided to recommend EC for 10 years as per the SO 3250(E) dated 20.07.2022 with the following specific conditions.**

1. Green belt should be developed as per the plan and geotagged photographs of the progress of green belt development should be submitted along with HYCR.
2. The survival rate of the planted trees should be monitored regularly and reported in the HYCR
3. Rainwater harvesting should be strengthened as per the plan.
4. The concentration of PM2.5, PM10, and Noise levels should be monitored regularly up to 500m radius of the factory and reported in the HYCR.
5. Online temperature sensors should be installed at various temperature-sensitive locations and the data monitored and log book maintained. There should be automated mechanism to ensure that the temperature is maintained within the permissible limit.
6. The daily maximum and minimum temperature monitored should be reported in the HYCR.
7. The workers should be provided with proper protective equipment and safeguard measures for dust and noise pollution and heat stress.
8. The roofs of new buildings should be used for tapping and using more solar energy.
9. Regular occupational health check-ups and safety drills should be conducted and the details should be provided in the HYCR.
10. Regular monitoring of well within and nearest to the factory premises should be monitored for water level and water quality, the latter as per PCB norms and data provided in the HYCR.

11. The CER proposed should be implemented within the first two years and maintained on a regular basis.

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K.N. Balakrishnan for an area of 3.7227 Ha at Block No. 27, Re survey No. 45/1, 45/2, 46 in Erumely south Village, Kanjrapally Taluk, Kottayam (SIA/KL/MIN/441059/2023, 2438/EC4/2023/SEIAA)**

The application for the reappraisal of the EC issued by the DEIAA, Kottayam dated 11.4.2018. The committee examined the proposal and additional documents submitted by the project proponent. As per the additional documents, the depth to water table is 6 m below ground level. The PP also submitted revised CER with a budget of 11,00,000/-. As per the Revised EMP the capital cost proposed is Rs. 43,50,000/- with a recurring cost of Rs. 2,82,276/-. The proposed area falls under low hazard zone. As per the application, the total mineable reserve is 5,10,312.5 MT with annual production of 42526 MT. The life of mine is 12 years. The distance to high hazard zone is 5.5 KM and the distance to moderate hazard zone is 2.3 KM. **Based on discussions, the Committee decided to direct the Proponent to submit the following additional documents.**

1. EMP prepared by NABET accredited consultant.
2. Re-grassing proposal.
3. Cluster Certificate.
4. 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.
5. Valid Mine lease document.
6. Scheme of Mining
7. Certified Compliance Report from the IRO, MoEF&CC, Bangalore
8. Recent Survey map indicating all the built structures within 200m certified by the Village Officer
9. Any other documents as envisaged in the OM dated 28.4.2023 that are not submitted yet.

Item No.03 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Jaison Lukose for an area of 0.9430 Ha at Re-Survey Nos. 46/500, 46/1114, 46/881 in Kalliad Village, Iritty Taluk, Kannur. (SIA/KL/MIN/444274/2023, 2498/EC4/2024/SEIAA)**

The committee examined the proposal and additional documents submitted by the project proponent. As per the additional documents, the depth to water table is 10 m below ground level at 75m AMSL. As per the application, the total mineable reserve is 1, 65,586 MT, the annual production is 33117 MTA and the life of mine is 5 years. The highest elevation of the proposed area is 150 m above MSL and the lowest is 105 m above MSL. The total project cost is Rs.110 Lakh. The distance to nearest built structure is 387.5m. The distance to Medium Hazard Zone is 1.58 Km and the High hazard zone is at a distance of 9.12 Km.

Based on discussions, the Committee decided to direct the Proponent to submit the following additional documents.

1. Alternate site for Compensatory Afforestation since the area proposed is a rocky terrain.
2. Detailed slope map of the area comprising 500m radius of the project site.
3. Overburden thickness along profiles across and along the project site
4. 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.04 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Ashique Ali for an area of 2.4147 Ha at Block no: 22, Resurvey no 307/3,308/12,308/13,308/15,308/26, in Malayattoor Village, Aluva Taluk, Ernakulam.
(SIA/KL/MIN/444903/2023, 2449/EC1/2023/SEIAA)

The committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the additional documents, the depth to water table is 10m bgl. As per the Survey Sketch approved dated 02.09.2024 indicates 3 built structures within 50m radius from the proposed site. The Project Proponent submitted approval dated 06.06.2024 from the District Level Crisis Management Committee since the project area falls partially in the moderate hazard zone. The distance to the high hazard zone is 6.22 km from the proposed site. The revised project cost is 2.5 crore. As per the application, the total mineable reserve is 5,90,383 MT for a mine life of 5 years. The project cost is 250 lakhs. The highest elevation is 176m MSL and lowest is 142m MSL. The 161st meeting of SEAC heard the presentation of the proposal. **Based on discussions, the Committee decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions. The EC may be issued 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.**

1. The depth of mining should be limited to 105m above MSL considering the depth to water table.
2. The mining should be conducted by complying the conditions as per the NOC from the District Level Crisis Management Committee.
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.05 **Re-appraisal of Environmental Clearance for conversion of DEIAA EC to SEIAA EC for the mining of Granite Building Stone Quarry project of Sri. Biju Thomas, for an area of 1.6540 Ha at Sy. No. 146/1 in Kallar Village, Vellarikundu Taluk, Kasaragod (SIA/KL/MIN/452003/2023, 2511/EC4/2024/SEIAA)**

The committee examined the additional documents submitted by the project proponent dated 30.08.2024. As per the Cluster Certificate dated 03.04.2024 states that no permission issued for quarrying within 500m radius from the proposed area. The highest elevation of the propose area is 418.2m AMSL and the lowest elevation is 365m AMSL. The quarrying lease dated 09.01.2018 is granted for 12 years from the execution of quarrying lease. The depth to water table is given by 5m-25m bgl at 340m-345m AMSL. The presentation of the proposal was heard in the 164th SEAC meeting. **Based on discussions, the Committee noted the following shortcomings in the application.**

1. 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.
2. Certificate from the Mining & Geology Dept regarding the quantity mined out so far and the balance quantity available for mining.

The Committee decided to entrust Sri. V. Gopinathan and Sri. S. Sheik Hyder Hussain for field inspection and report.

PARIVESH FILES (Ver-2)

PART-1

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Sojan Mathai for an area of 2.6231 Ha at 555/1A-3, 554/3-2-4, 554/3-3-5-2, 554/2-1 in Pindimana Village, Kothamangalam Taluk, Ernakulam. (SIA/KL/MIN/482606/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 9,06,225 MT with an annual production of 2,00,000 MT. The life of Mine is 5 years. The Project cost is 2.80 Crores. The highest elevation of the proposed area is 65m AMSL and the 48m AMSL. The PP submitted the proof application submitted for wildlife Clearance since the Thattekad Bird Sanctuary is located within 10Km distance. The distance to medium hazard zone from the proposed site is 3.24 Km and the distance to high hazard zone is 7.4km. As per the Cluster certificate dated 09.05.2024 states that no working quarry within 500m radius. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall also address the following shortcomings. The Presentation shall be uploaded to the Parivesh portal.**

1. EMP prepared by a NABET accredited agency.
2. Plan for compensatory afforestation.
3. Alternate OB dump along with Geo-tagged location map of OB dump site since the proposed site is relatively an elevated area.
4. Depth to water table in the nearest dug well along with geo-tagged photograph of the well site, distance between the well and the project boundary and relative relief of the well site.
5. Consolidation table from the biodiversity assessment report.
6. Resubmit the Approved Mining Plan since several pages in the mining are not legible.
7. 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.
8. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.02 **Environmental Clearance\ for the Granite Building Stone Quarry of Sri.Sakeer Hussain for an area of 0.8150 Ha at Re-survey nos. 314/3, 314/3-6, 314/3-7, 314/3-8 at Koovappally Village, Kanjirappally Taluk, Kottayam. (SIA/KL/MIN/487382/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 1,12,988.63 MT. The life of mine is 3 years. The project cost is 1.27 crore. The highest elevation of the proposed area is 215 AMSL and the lowest elevation of the proposed area is 160m AMSL. As per the PFR the depth to water table is 9m bgl at 49m AMSL. A rubber fertilizer shed is found at a distance of 80.42m. The nearest house is located

at a distance of 150.32m. As per the cluster certificate dated Certificate dated 04.07.2024 states that there is no working quarries within 500m of the proposed site. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall also address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Compensatory afforestation plan.
2. EMP prepared by a NABET Accredited consultant
3. 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.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.03 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Amal Raj, Managing Director, M/s Adish Granites Private Limited for an area of 0.9816 Ha at Re Survey No. 5/30, 5/31 & 5/34, Re survey Block No.29 in Kavassery-1 Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/488708/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 2, 67,240 MT. The life of mine is 3 years. The Project cost is 136 lakhs. As per the Cluster certificate dated 02.07.2024, there is no quarry situated within 500 m radius. The depth to water table is 16m bgl. The Committee noted that the Chulanur Peafowl Sanctuary is located at a distance of 7.89 from project boundary. On verification, there is an EC granted proposal (SIA/KL/MIN/284471/2022) of Sri. Ashwin K. J, M/s Pridhvi Granites for an area of 2.6233 ha found within 500m radius. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall also address the following shortcomings. The Proponent is directed to upload the presentation in the Parivesh portal.**

1. Proof of application submitted for Wildlife Clearance to SCNBWL since the Chulanur Peafowl Sanctuary is located at 7.89 km distance.
2. Legible copy of the Mine Plan.
3. Compensatory Afforestation Plan.
4. Comprehensive EMP prepared by a NABET accredited consultant considering the adjacent mines.
5. Plan for limiting the depth of mine pit.
6. Overburden storage site and its protection
7. 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.
8. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.04 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K P Siyad, Managing Director, M/s Kunnathan Granites Pvt Ltd for an area of 0.9978 Ha at 320/1A-66T-1,320/1A-66T-1-2, 320/1A-66T-1-3, 320/1A-89/15-5,320/1A-89/15-6,320/1A-66T-1-3&320/1A-66T-1 in Kottappady village , Kothamangalam taluk, Ernakulam. (SIA/KL/MIN/491075/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 2,43,225 MT. The life of mine is 3 years. The project cost is Rs.140 Lakhs. The lowest elevation of the proposed area is 70m above MSL and the highest elevation is 90m above MSL. As per the Cluster Certificate dated 17.07.2024 there are 3 quarries within 500m radius of the proposed site out of which 2 are not working, altogether the area comes around 3.1018 Ha. The medium hazard zone is located at a distance of 5.67 Km and the high hazard zone is located at a distance of 6.50 Km. The Thattekad Bird Sanctuary is located within 10 km distance from the proposed site. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall also address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Proof of application submitted to SCNBWL for Wildlife Clearance
2. Depth to water table in the nearest dug well along with its distance from the project boundary and geo-tagged photographs of the well.
3. Comprehensive EMP prepared by a NABET accredited consultant considering the adjacent mines.
4. Alternate site for the compensatory afforestation plan since the area proposed is partially vegetated.
5. Clarification regarding the trees found in the boarder and 200 trees proposed for green belt.
6. 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.
7. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.05 **Environmental Clearance for the Ordinary Earth Removal Project of Sri. Renudas P.N for an area of 0.6242 Ha at Block no: 34, Re-Survey Nos. 215/15, 215/14 in Pattimattom Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/MIN/490974/2024)**

As invited the Project Proponent, Sri. Renudas P.N. and the RQP C. Balaraman were present. The RQP made the presentation. As per the application, the total mineable reserve is 88,664T. The project cost is Rs.15 Lakhs. The life of mine is 1 years. The highest elevation of the proposed area is 74 m AMSL and the lowest elevation is 52 m MSL. The depth to

water is 6m bgl at 40MSL. As per the PFR, there are buildings within 50m radius. The medium hazard zone is found at a distance of 19.20km from the proposed site. The high hazard is found at a distance of 29.05km from the proposed site. The work order dated 18.09.2023 from the Kochi Metro Rail Limited submitted is found older. **Hence, the Committee decided to direct the PP to submit latest work order from the end user.**

Item No.06 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shafeeq Thayyil for an area of 0.1580 Ha at Survey No. 565/1-3 in Payyanad Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/491357/2024)

As invited the project proponent, Sri. Shafeeq Thayyil and the RQP Sri. V.K. Roy were present. The RQP made the presentation. As per the application, the quantity proposed for mining is 21,725 MT with a recoverable quantity of 17,380 MT. The life of mine is 1 year. The Project cost is Rs. 6,23,320. The depth to water table is 7m bgl at 68m AMSL. The distance to nearest building is 83.1m from the proposed site. The elevation of the site is 78m AMSL. The high hazard zone is located at distance of 15 Km from the proposed site. The medium hazard zone is located at a distance of 5km from the proposed site. The Cluster Certificate dated 23.07.2024 indicates that there is no authorised quarries within 500m radius. **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 depth of mining should be limited to 5m 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.07 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Eldhose Kuriakose, Managing Partner, M/S R V Associates for an area of 5.5228 Ha at Survey Number No. 274/25, 274/28, 274, Thirumittacode II Village, Pattambi Taluk, Palakkad District. (SIA/KL/MIN/491472/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the ToR for the project is approved vide letter No. SIA/KL/MIN/410972/2022 dated 21.03.2023. The total mineable reserve is 15,00,420 MT for a mine life of 8 years. The project cost is 7.42 Crores. The highest elevation of the proposed area is 150m AMSL and the lowest elevation is 65m AMSL. The distance to medium hazard zone is 25 km from the proposed site. As per the minutes of Public Hearing dated 28.12.2023, 49 people attended out of which 12 responded. Among the 12 participants responded, 2 supported the project and 10 expressed their views against the proposed quarry. As per the EIA report, the depth to water table varies from 3.10 to 8.1m below ground level. **Based on discussions, the Committee decided to entrust Dr. A.N. Manoharan and Dr. K. Vasudevan Pillai for evaluating the EIA report and conducting field inspection and report.**

Item No.08 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Krishnadas M, for an area of 0.7916Ha at block no: 33, re-survey nos: 200/5, 200/7 & 201/3 in Puthukode Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/488013/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 1,88,608 MT. The life of mine is 3 years. The project cost is 1.60 Crore. The Peechi-Vazhani WLS (8.90 from the site) and Chulannur Peafowl Sanctuary (6.50km from the site) are found within 10km radius of the proposed site. A poultry farm is found at a distance of 53.7m. The lowest elevation of the proposed area is 85m AMSL and the highest elevation is 90m AMSL. The depth to water table is given as 9m bgl. The Project proponent submitted the proof of application submitted for wildlife clearance. The medium hazard zone is located at a distance of 6.62 km and high hazard zone is found at a distance of 13.32 km. As per the cluster certificate 01.07.2024, there is no quarry operation within 500m radius from the applied area. **Based on discussion, the Committee decided to invite the**

Proponent for presentation. The presentation shall also address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.

1. EMP prepared by a NABET accredited consultant.
2. Plan for maintaining depth of mine pit since the elevation of the area ranges from 85-90m AMSL.
3. 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.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.09 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. Sudhakaran, (M/s Kanakakunnu Stone Industries & M-Sand), for an area of 3.4501Ha at 292/1A of New-Naduvil Village, Thaliparamba Taluk, Kannur.
(Proposal No. SIA/KL/MIN/479340/2024)

The Committee examined the proposal and discussed it in detail. As per the minutes of the 140th SEIAA meeting, the old proposal No. SIA/KL/MIN/423358/2023 was rejected due to submission of baseline data older than 3 years. As per the present application, the total mineable reserve is 14,05,440 Tones. The life of mine is 10 years. The project cost is 526 Lakhs. As per the cluster certificate dated 05.07.2023, there are no quarries operating within 500m radius from the proposed site. The highest elevation of the proposed area is 685.0m AMSL and the lowest elevation is 630.0m AMSL. The depth to water table is 10-12m bgl. The nearest habitation is 64m away from the proposed site. The Committee found that as per the Google imagery the area falls under the medium hazard zone and the high hazard zone is very near to the proposed project. The Committee noted the following shortcomings in the application.

1. NOC from the District Level Crisis Management Group since the project area falls in the medium hazard zone followed by high hazard zone.
2. 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 Committee decided to entrust Sri. V. Gopinathan and Dr. A.N. Manoharan for field inspection and report.

Item No.10 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Akhil Das for an area of 0.1664 Ha at Survey Nos. 589/4-1-6, 589/4-1-7, 589/4-1-13, 589/6-8-2, 589/4-1-12, 589/6-8-4, 589/4-1-2, 589/4-1-15, 589/4-1-14, 589/6-8-3, 589/4-1-8 in Piravom Village, Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/477670/2024)

As invited the Project Proponent Sri. Akhil Das and the RQP Sri. C Balaraman were present. The RQP made the presentation. As per the application, the minable reserve is 13,573 MT. The mine life proposed is 1 year. The highest elevation of the proposed area is 22.9 m above MSL and the lowest elevation of the proposed area is 21.3 m above MSL. The project cost is 10 Lakhs. The depth to water table is 8 m at 22 MSL. There are built structures within 50m radius from the project boundary. The high hazard zone is located a distance of 33.33 Km and the medium hazard zone is found at a distance of 29.18 Km. **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 Depth of mining should be limited to 2m bgl
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 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented 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.11 **Environmental Clearance for the Expansion of the existing Hospital cum Medical College campus (Medical College, Nursing College, Multispecialty Hospital with Tertiary care center) project of Sri. Joy. P. Jacob, Secretary, M/s The Malankara Orthodox Syrian Church at Sy. Nos. 129/6-2, 129/10, 129/11-2, 135/2, 135/3, 135/3-2, 135/4, 134/1-5, 134/1-6, 134/1-7, 135/5 in Aikarnad North Village and Sy. Nos. 24/1-2-9, 24/1-2-10, 24/5-1-2 in Aikarnad Grama Panchayat, Aikarnad South Village, Kunnathunad Taluk, Ernakulam. (SIA/KL/INFRA2/479309/2024)**

The Committee examined the proposal and discussed it in detail. The application is for the expansion of existing Hospital cum Medical College campus. The total plot area is 12.819049 ha. The area of total building existing within the campus is 1,23,342.04 sq.m. The building to be demolished is 5,079.42 sq.m and the remaining area is 1,18,262.62 sq.m. The present application is made for obtaining prior environmental clearance for total built-up area of 1,29,376.34 sq.m (9,777.25 sq.m. constructed post 14-09-2006 + 1,19,599.09 sq.m. proposed construction). Number of floor proposed is B + Gr. + 10 floor (Central Block & OT Block). The FAR proposed is 2,08,861.71 sq.m. (@1.629). The project cost is Rs. 716.406 Crores. The daily water requirement is 1,290 KLD and the daily fresh water requirement is 550 KL. Domestic sewage generation is 822 KL per day. Treated water available from STP is 740 KL per day. The sources of water proposed are the following.

1. Stored Rain Water in tanks / pond (Non-Flushing Req.)
2. Kerala Water Authority (KWA) (Non-Flushing Req.)
3. Ground Water (5 wells) (Non-Flushing Req.)
4. Treated waste water from STP (Flushing, horticulture, boiler, make-up water for cooling Req.) (Entire Year).

The parking proposed for 2,141 Cars and 8,185 sq.m. space for two wheelers parking. The existing STP available within the complex with 1,200 KLD capacity for handling of existing sewage load as well as additional sewage from the proposed buildings. The elevation of the proposed site is 105m lvl-95m lvl. The quantity of earth to be excavated is 15,000 cu.m. The ground water table is at a depth of 3.10 to 4.40 m from the existing ground level. The maximum height of the proposed building is 45 meters. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Detailed drainage plan is not provided.
2. Detailed traffic impact study is absent.
3. Clarity regarding the water source and its utilization is not given.
4. Clarity regarding the parking facility is not given.
5. Certificate regarding the Construction prior to 2006 is not given.
6. Details of solid and liquid waste management and treatment mechanism is not given.

7. Revised CER as per the guidelines uploaded in the SEIAA web site is not given.
8. Details of management and transportation of construction and demolition waste is not given.

Item No.12 Environmental Clearance for the Proposed Construction of I.T. Office Building Project of Sri. Hrishikesh Nair, Authorized Signatory, M/s Brigade Enterprises Limited at Block No. 9, Re-Sy. Nos. 624/1 pt, 624/3 pt, 624/7 pt, 624/8 pt, 624/9 pt, 633/1 pt, in Kakkanad Village, Thrikkakara Municipality, Kanayannur Taluk, Ernakulam. (SIA/KL/INFRA2/491460/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total area is 0.627615 ha. (6,276.15 sqm). The total built-up area is 47,709.33 sqm. Far proposed is 25,102.92 sqm (@3.999). The floors proposed are Ground floor + 16 floors. The maximum height of the project is 65.85m. The water requirement is 187 KLD and, the daily fresh water requirement is 85 KL. The domestic sewage generation is 113 KL/day. The elevation difference of the area is 3.069 lvl- 4.585 lvl. The proposed parking facility is for 510 Cars + 630 sq.m. space for two wheelers. The excavation /cutting within the site is very minimum and therefore there is no excess excavated earth / soil to be disposed outside the project site. The PP also submitted the application for obtaining Wildlife Clearance since the Mangalavanam Bird Sanctuary located at 9.27 km. **Based on discussions, the Committee decided to entrust Dr. N. Ajith Kumar and Sri. S. Sheik Hyder Hussain for field inspection and report. The Committee also noted the following shortcomings in the application.**

1. Detailed CER as per the guideline published in the SEIAA website.
2. Detailed traffic study.
3. Detailed drainage plan.

Item No.13 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Abdul Nazar for an area of 0.5721 Ha at Survey No. 17/11 & 17/2 in Anamangad village, Perinthalmanna taluk, Malappuram. (SIA/KL/MIN/490797/2024)

The Committee examined the proposal and discussed it in detail. As per the application the total mineable reserve is 1,06,592 MT for a mine life of 5 years. The project cost is Rs.187 Lakhs. The highest elevation of the proposed area is 95m MSL and the lowest elevation is 80m MSL. The depth to water table is 10m bgl at 62m AMSL. As per the PFR, the nearest house is located at a distance of 85m. As per the cluster certificate dated 30.07.2024, there is no authorized granite building stone quarry in operation within 500m radius. The medium hazard zone is located at a distance of 0.78km. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Detailed drainage plan.
2. 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.

3. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.14 Environmental Clearance application for the Ordinary Brick Clay Project of Smt. Pushakumari S, for an area of 0.1580 Ha at Block No. 43, Re-Survey No: 265/25, 265/25-2, 265/26, 265/33 in Chenkal Village, Neyyattinkara Taluk, Thiruvananthapuram (SIA/KL/MIN/489498/2024)

As invited, the project proponent Smt. Pushakumari S and the RQP Sri. VK Roy were present. The RQP made the presentation. As per the application the total quantity proposed for mining is 1520 MT. The life of mine is 1 year. The project cost is Rs.8.82 lakhs. As per the cluster certificate dated 18.07.2024, there are no working quarries within 500 m radius. The nearest house is found at 55m from the proposed area. The elevation of the plot varies from 27m-28m AMSL. As per the presentation, the depth to water table is 6m bgl at 20m 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 Depth of mining should be limited to 2m bgl
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 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.

14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented 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.15 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Greego Kurian , for an area of 0.9270 Ha at Block No. 26, Re- Sy No. 149/8-2, 149/7-2, 149/6-2, 149/5-2 in Valakom Village, Kottarakkara Taluk, Kollam District. (SIA/KL/MIN/490152/2024)

The Committee examined the proposal and discussed it in detail. As per the application the total mineable reserve is 1,81,452.5 MT. The life of mine is 3 years. The project cost is 1.10 crore. The highest elevation of the proposed area is 145m AMSL and the lowest elevation is 120m AMSL. The depth to water table is 8m BGL at 100m AMSL. As per the cluster certificate dated 27.11.2023, there are no working quarries in operation within 500m radius. The distance to high hazard zone from the proposed site is 20.2 km. The distance to medium hazard zone is 5.3 km from the proposed site. As per the PFR there is an office building located at 22m away from the project boundary. Kallottu Industries is found at a distance of 58.1m. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Alternate OB dump site since the area proposed is at higher elevations.
2. EMP prepared by a NABET accredited agency.
3. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.16 Environmental Clearance for the Granite Building Stone Quarry Project of Sri.Arif for an area of 2.3045 Ha in unsurveyed Land in Kurumbalangode Village, Nilambur Taluk, Malappuram (Old Proposal No.SIA/KL/MIN/277649/2022,Old File No. 2105/EC6/2022/SEIAA) (New proposal No. SIA/KL/MIN/492255/2024)

The Committee examined the proposal and discussed it in detail. The proposal was rejected earlier due to non-submission of essential documents required for considering the application of project falling in ESA. The committee considered the proposal resubmitted, on examination the documents submitted are not found adequate for the appraisal of the project. **However, the Committee decided to invite the Proponent for a presentation for clarifying the observations of the Committee. The PPT shall include 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.17 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. E K Abdul Salam for an area of 0.9995 Ha at Survey No. 80/11-1, 80/11-2-2, 80/11-4-5-2, 80/12-2, 80/12-1, 80/12- 2-2, 80/12-3, 80/12-1-2 in Manjalloor Village , Muvattupuzha Taluk, Ernakulam. (SIA/KL/MIN/492582/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 2,25,855 MT. The life of mine is 3 years. The project cost is 1 crore. The highest elevation of the proposed area is 104m MSL and the lowest elevation is 58m MSL. As per the cluster certificate dated 30.07.2024, there is a non-working quarry of Sri. CC George for an area of 1 Ha within 500m radius. The area altogether within the cluster is less than 5Ha and hence there is no cluster condition. The elevation of the proposed site varies from 58m AMSL to 104m AMSL. Thodupuzha River is located at a distance of 600m. As per the survey map dated 15.04.2024 the distance to nearest house is 90.8m. The distance to medium hazard zone is 12.89 Km from the project boundary and the distance to high hazard zone is 17.34 Km. **Based on the discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. EMP prepared by a NABET accredited agency.
2. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
3. 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.
4. Depth to water table in the nearest dug well along with its distance from the project boundary and geo-tagged photographs of the well.

Item No.18 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C.K for an area of 0.3480 Ha at Block No.14, ReSurvey No. 202/1-2, 202/3-4 in Muthuvallur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/493349/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total quantity proposed for mining is 47,850 MT (23,925+23,925) with a total recoverable quantity of 38,280 MT. The life of mine is 2 years. As per the Mining Plan, the distance to nearest house is 72.4m. The depth to water table is at 10m bgl at 168m AMSL. The project cost is Rs. 8,45,100/-. The elevation of the proposed area varies between 182m AMSL -177m AMSL. As per the Cluster certificate dated 16.08.2024, there are two authorized quarries in operation within 500m. The Project proponent submitted Comprehensive EMP considering the 4 adjacent mines within 500m radius altogether having an area of 1.4199 Ha. **Based on**

discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.

1. Detailed CER proposal as per the guidelines uploaded in the SEIAA web site.
2. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.

Item No.19 Reappraisal of Environment Clearance from DEIAA to SEIAA to the Granite Building Stone Quarry of Shri. P. M. Abdul Rahiman for an area of 3.2420 Ha. at Sy. No: 428/pt in Thayannur Village, Vellarikundu Taluk, Kasaragod. (Proposal No. SIA/KL/MIN/448887/2023)

The Committee examined the proposal and discussed it in detail. As per the cluster certificate dated 23.07.2024, there is another working quarry owned by Smt. Savithri Thamban, for an area of 2.9727 Ha within 500m radius. Hence, the area altogether comes more than 5 Ha indicating cluster condition. **Therefore, the project proponent has to conduct EIA study, submit environmental management plan, and conduct public hearing as per existing norms. Hence, the Committee decided to direct the Proponent to submit application for for ToR.**

Item No.20 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Ashraf C T, for an area of 0.8095 Ha at Block No. 24, Re- Sy No. 270/101,270/102,270/103,270/104 in Alapadamba Village, Payyannur Taluk, Ernakulam District. (SIA/KL/MIN/491971/2024)

As invited the Project Proponent, Sri. Ashraf CT and the RQP Sri. VK Roy were present. The RQP made the presentation. As per the application, the targeted production of the mine is 80,950 MT. The life of mine is 3 years. The depth to water table is 9m bgl at 72m AMSL. As per Form-1, the project cost is Rs. 18,14,000. The distance to nearest house is 188.2m. As per the Cluster Certificate dated 01.07.2024, there is no working quarry within 500m radius. The distance to high hazard zone is 5 km from the site and the distance to medium hazard zone is 11.8km. The highest elevation of the proposed area is 105m AMSL and the lowest elevation of the proposed area is 90m AMSL. **Based on discussions, the Committee decided to submit the following additional documents.**

1. Baseline monitoring data.
2. Non Assignment Certificate
3. Compensatory Afforestation plan.
4. Biodiversity report
5. Revised CER as per the guidelines uploaded in the SEIAA website.

Item No.21 **Environmental Clearance for the Expansion rolling mill by M/s. Kairali Steels and Alloys Pvt. Ltd for an area of 7.81 acres at sy.nos. 250/2,3,4,5,6 and 258 in Pudussery Central Village, Palakkad Taluk District. (SIA/KL/IND1/490474/2024)**

The Committee examined the proposal and discussed it in detail. The ToR for the proposed project was approved vide letter No. SIA/KL/IND1/437083/2023 dated 09.11.2023. The Public hearing of the proposed project was conducted on 09.05.2024. The project is proposed to expand the existing steel making and rolling mill (M.S Ingots / Billets from 29,400 TPA to 2,07,000 TPA and Steel Bars from 36,000 TPA to 1,80,000 TPA) in the existing site area of 3.16 ha (7.81 acres). Capital cost for proposed expansion is Rs. 10 crores. The unit obtained consent to operate (renewal) vide consent no. KSPCB/PL/ICO/10022376/2023 dated 23.04.2023 valid till 30.06.2028. The water requirement is 44.55 KLD and the waste generation of expansion is 36.7 KLD. The elevation of the proposed area ranges from 136 - 145m AMSL. Malampuzha Dam is located at a distance 6.22 km and Koraiyar River is found at a distance of 1.14 km. The PP also submitted case details of Crime No. 383/2023 in the Judicial First Class Magistrate court. **Based on discussions, the Committee decided to entrust Dr. AV Raghu, Dr.K.Vasudevan Pillai and Sri. S. Sheik Hyder Hussain for field inspection and report. The Committee also decided to direct the Proponent to address the following shortcomings.**

1. Details of the Case mentioned in the application.
2. Detailed CER proposal as per guidelines of SEIAA

Item No.22 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. O.P Muhammed Basheer, Managing director, Bestonne Granite Metals Pvt. Ltd., for an area of 3.9924 Ha at Block No:- 16 survey nos: 4 Re. Survey No:- 490/10, 490/9, 490/7, 490/8, 490/3, 478/9, 478/3, 479/1 & 480/7, in Kuzhalmannam I Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/483460/2024)**

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 16,65,240 MT. The life of mine is 10 years. The Project cost is 2.90 Crores. The highest elevation of the proposed area is 160m MSL and the lowest elevation of the proposed area is 135m MSL. The depth to water table is 9m bgl. As per the Cluster Certificate dated 06.06.2024, there is one quarry owned by Sri OP Muhammed Rasheed with an extent of 0.9947 Ha is situated at 500m radius. As per google imagery, there are several quarries within 500m radius and a proposal (No. SIA/KL/MIN/251165/2022) of Mr. K.V. Radhakrishnan is under consideration for an area of 0.5706 Hectares. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded to the Parivesh portal.**

1. Clarification on the Cluster condition considering all the working quarries, quarries that are not issued mine closure certificate and the projects for which LoI is issued in the 500m radius.

2. Plan for limiting mine depth.
3. Comprehensive EMP prepared by a NABET accredited agency considering all the quarries in the cluster..
4. 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.23 Environmental Clearance for the proposed Residential project to be developed by M/s Sobha Contracting Pvt. Ltd. of Sri . Venugopal V.G, Authorized Signatory at Re-Survey Nos. 128/2, 128/18-2, 128/19-2, in Cheruvakkal Village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (SIA/KL/INFRA2/487184/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total built-up area is 34,771.48 sq. m. The total plot area proposed is 0.8024 Ha. Total Number of Apartments as per the proposal is 120. The proposed Residential Building covers 2 blocks (Block 1 + Block 2), with a Basement + Lower Ground + Upper Ground + Ground+14 floors. The maximum height of the building is 55m. The FAR propose is 22,731.40 sq.m. (@2.833). The elevation of the proposed area varies between highest 102.092 lvl to 78.31 lvl and the topographical level difference is 23.782 m. The total soil to be excavated is 28,669 cu.m. The excavated topsoil (1,605 cu.m) will be preserved for landscaping, for back filling work (17,581 cu.m). The excess excavated earth of about 9,483 cu.m. will be stored in the land bank of the project proponent or road widening work or handed over to approved works with necessary permits as per the prevailing norms. The total project cost is Rs. 85.45 Crores. The total water requirement is 101 KL/day. Parking facility proposed is for 214 Cars and 750 sq.m. for two wheeler parking. The sewage generation from the proposed project during operation phase is expected to be about 65 KL/day which will be disposed through proposed STP with total 90 KL capacity. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Detailed drainage system
2. Detailed CER proposal as per the guidelines on the SEIAA website.
3. NOC from the ground water department.
4. Clarification regarding the NOC from the AAI and Air force.
5. Details regarding land modification done earlier.

Item No.24 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Muhammed Shereef for an area of 1.2916 Ha at Block No.3, Re-Survey No. 291/3-29 in Moorkkanad Village, Perinthalmanna Taluk, Malappuram. (SIA/KL/MIN/480065/2024)

The Committee examined the proposal and discussed it in detail. As per the application, the total mineable reserve is 3,92,325 MT. The life of mine is 5 years. The project cost is Rs.1.50

Crore. The elevation of the site varies from 115 m AMSL to 160 m AMSL. As per the cluster certificate dated 02.05.2024, there is no authorized quarry within 500m radius. The depth to water table is 7m bgl. The medium hazard zone is located at 1.50km away from the site. **Based on discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
2. 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.25 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Anil kumar, Managing director, Macadam granites for an area of 3.9811Ha at survey nos: 427, 435/1 in Erimayur II Village, Alathur Taluk, Palakkad District. (SIA/KL/MIN/458530/2024)

The Committee examined the proposal and discussed it in detail. The validity of DEIAA issued EC dated 27.04.2018 is expired after the mine life of 5 years. As per the letter of geologist dated 12.06.2024 about 78,671 MT of material was mined from the proposed area and hence out of 3,90,000 MT, there is 3,11,329 MT of material remains i.e., up to 2027. As per the Google imagery there is quarries within 500m radius of the proposed site. The PP also submitted CCR vide dated 24.09.2024. **Based on the discussion, the Committee decided to invite the Proponent for presentation. The presentation shall address the following shortcomings. The Presentation shall be uploaded in the Parivesh portal.**

1. Comprehensive EMP prepared by a NBET accredited consultant, considering the quarries within the cluster.
2. Revised CER as per the guidelines uploaded on the SEIAA website.
3. All the details as per the OM dated 28.4.2023 are not provided.
4. Drone video of the project site and surrounding areas within 500m radius as per the Guidelines uploaded on the SEIAA website with UI number of the Drone used for the survey.
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 4655of 2024 dated 19-04- 2024.
6. Recent Cluster Certificate considering all the working quarries, quarries that are not issued mine closure certificate and the projects for which LoI is issued in the 500m radius.

PARIVESH FILES (Ver-2)

PART-2

Item No.01 **Reappraisal of Environmental Clearance issued by DEIAA for the Granite Building Stone Quarry Project of Sri. Abdulla Koya Thangal, M/s Ruby Stone Crushers for an area of 4.1943 Ha in Re.Sy.No.1 at Kattippara Village, Thamarassery Taluk, Kozhikode. (SIA/KL/MIN/470905/2024)**

The Committee noted the decision of the 142nd meeting of the SEAC. It restated the vulnerability status of the site and the importance of taking utmost care in implementing the safeguard measures and decided to give one more chance, as the last one, to comply with all the conditions suggested by the SEAC and submit detailed compliance report along with adequate geo-tagged photographs and video graphs as proof of compliance within 45 days. The Authority vide letter dated 26.02.2024 directed the project proponent to submit fresh application through Parivesh portal with all the documents including the report on the compliance status specified in the said O.M dated 28.04.2023 within the stipulated time period. The Proponent submitted the application for Reappraisal of Environmental Clearance issued by DEIAA for the Granite Building Stone Quarry Project in Re.Sy.No.1 at Kattippara Village, Thamarassery Taluk, Kozhikode. As per the decision of the 166th meeting of the SEAC, the project proponent was invited for presentation of the proposal and the project proponent Sri. Abdulla Koya Thangal and the Consultant Dr. A. Dhamodaran presented the project details. As per the approved mining plan, the mineable reserve is 21,20,185 MT for a mine life of 22 years. The life of mine as per the Scheme of Mining is 18.8 years. As per the presentation, the Quarrying lease was executed on 15-01-2018 for 12 years from 15-01-2018 to 14-01-2030. The elevation of the proposed area varies from 175 to 130m AMSL. The Project cost is 2.178 crores. The depth to water table is 6m bgl at 95m AMSL. As per the Cluster Certificate dated 18.04.2024, there is no working quarry within 500m radius. The PP has submitted wildlife application (WL/KL/MIN/QR/490178/2024) since the Malabar WLS located at 10km radius of the site. The nearest house is located at 155 meter from the proposed quarry. The medium hazard zone is found at a distance of 50.88m and the distance to high hazard zone is 893.34m. The proponent submitted ADS sought in the 166th SEAC meeting on 27/09/2024. **Based on discussion, the Committee decided to entrust Dr. CC Harilal for evaluation of the ADS submitted and report.**

Item No.02 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Tony Nirmal, Managing Director, M/s Rock Shell Granite and Sands Pvt. Ltd., for an area of 0.8852 Ha at Block No.2, Survey No.189/1 in Vaniyamkulam-2 Village, Ottappalam Taluk, Palakkad District. (SIA/KL/MIN/472780/2024)**

As invited, an authorised person Sri. Sany Joseph and the Consultant, Dr. A. Dhamodaran were present. The consultant made the presentation. As per the application, the total mineable reserve is 1,61,730 MT. The life of mine is 3 years. The Project cost is 1.54 crores. The

Nearest Habitation is found beyond 150m. The elevation of the proposed area varies from 115m to 105 m AMSL. As per the Cluster Certificate dated 15.04.2024, there are 2 working quarries within 500m radius. The area altogether comes around 3.0911 Ha (0.8852+0.9915+1.2144). The high hazard zone is at a distance of 28.51km from the site and the medium hazard zone is at a distance of 7.19km. As per the presentation, the PP submitted NOC dated 26.09.2024 from the Minor irrigation division for a period of 1 year. The Project proponent also submitted Comprehensive EMP considering the adjacent mines. **Based on discussion the Committee decided to direct the PP to submit recent CCR from the IRO, MoEF&CC, Bangalore.**

Item No.03 Environmental Clearance for the Granite Building Stone Quarry project of Sri. Nadukkanchira Abdulkasim, Designated Partner, M/S Cruston Aggregates LLP for an area of 0.9995 Ha at Survey Nos. 418/1-2, 418/2-1, 418/3-1, 418/3-2, 418/4, 418/5, 418/6, 418/7 in Kulukkallur Village, Pattambi Taluk, Palakkad. (SIA/KL/MIN/464787/2024)

The committee examined the additional documents submitted by the project proponent and found them satisfactory. As per the application the total mineable reserve is 2,22,772 MT. The life of mine is 3 years. The highest elevation of the proposed area is 108m above MSL and the lowest elevation is 87m above MSL. The depth to water table is 11m bgl. The medium hazard zone is at a distance of 16.6km and the high hazard zone is at a distance of 27.5km. The project cost is 1 crore. The nearest house is located at 100m from the project boundary. As per the letter of Assistant Engineer, Minor Irrigation Section, Cherpulassery vide dated 09.09.2024, states that no irrigation structures or canals within 1km radius under the aforementioned irrigation section. The field inspection of the proposed project was conducted on 27.07.2024. **Based on discussions, the Committee decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 77m AMSL considering the depth to water table.
2. Intensive augmentation of buffer zone without felling the available tree growth during the 1st year itself
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.
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.04 **Environmental Clearance for the Ordinary Earth Mining Project of Sri. Mathewkutty. T M, for an area of 0.99 Ha at Block No. 49, Sy No. 254/7,254/7-3, in Aikaranad South Village, Kunnathunadu Taluk, Ernakulam. (SIA/KL/MIN/481172/2024)**

The committee discussed the proposal and examined the additional documents submitted by vide letter dated 18/09/2024. The committee noted the work order submitted by the

Contractor vide letter dated 05.06.2024, which indicates that the excavated earth will be used for filling works of the 4 lane road allied work at info park phase II. As per the application, the total mineable reserve is 55,440 MT. The life of mine is 2 years. The project cost is 35 lakhs. The elevation of the area varies from 41m to 61m AMSL. The depth to water table is reported as 5m bgl at 29m AMSL. There are houses within 50m radius and the nearest is at a distance of 17.7 m from the site. the average depth of extraction is reported to be 2.8m. The moderate hazard zone is found at 22.40 Km away from the proposed site. **On verification, it is found that the work order is not counter signed by the authorised person of KINFRA, the reported end user. Therefore, the Committee decided to direct the Proponent to resubmit the work order countersigned by the end user.**

Item No.05 Re-appraisal of Environmental Clearance issued from DEIAA, Thiruvananthapuram for the Granite Dimension Stone Quarry of Sri.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)

As invited, the authorised person Sri. Balachandar Sadasivan and the RQP Sri. VK Roy were present. The RQP made the presentation. The validity of the DEIAA issued EC was expired on 18-07-2023. During the presentation, the PP stated that the quarrying lease is not yet executed due to the delay in obtaining statutory licenses. No quarrying operations were carried out in the area. The PP states that the fresh EC application was submitted to SEIAA for both Granite Dimension Stone and Granite Building Stone without involving blasting operation. As per the mining plan, approved on 20-12-2017, the total mineable reserves of 1,32,737 MT out of which 21,238 cu.m (53,095 MT) GDS and 31,857 Cu.m (79642 MT) waste liberated during GDS cutting. As per the additional documents submitted vide letter dated 18.09.2024 the depth to water table is 8m bgl at 112m AMSL. The PP also submitted proof of application (WL/KL/SRY/462820/2024) for the wild life clearance dated 14.02.2024, since the Neyyar Wildlife Sanctuary is at a distance of 6.18km. The CCR is not submitted by the PP stating that no mining activities have been done in the project area. The distance to nearest built-structure is 79.6m. The low hazard zone is located at 100m away from the proposed site. As per the cluster certificate dated 08.01.2024, there are no working quarry within 500m radius. The Committee noted the following shortcomings.

1. EMP is not prepared by a NABET accredited consultant.
2. The area proposed for compensatory afforestation is vegetated and alternate site is not proposed.
3. The drainage plan is not found appropriate.
4. Survey map should be legible and authenticated by the Village Officer showing all the built structures within 200m radius.
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 4655of 2024 dated 19-04- 2024 is not submitted.

Based on discussion, the Committee decided to entrust Sr. R. Ajayakumar Varma, Dr. Bijukumar and Smt. Sreeja, Environmental Officer, SEIAA to conduct field inspection and report.

Item No.06 Environmental Clearance for the Granite Building Stone Quarry of Sri. Unnikrishnan.K for an area of 0.9166 Ha at Re Survey No. 105/1A-16 in Thachanattukkara-II Village, Mannarkkad Taluk, Palakkad District.
(SIA/KL/MIN/467537/2024)

As invited the Project Proponent, Sri. Unnikrishnan.K and the Consultant Dr. A. Dhamodaran were present. The consultant made the presentation. As per the application, the total mineable reserve is 2,04,550 MT. The life of mine is 3 years. The project cost is 1.3 crore. The elevation of the area varies from the 81m MSL to 67m MSL. The nearest house is situated at a distance of 287.3m from the proposed site. As per the presentation the depth to water table is 16m bgl at 65 m MSL. The distance to high hazard zone is 12.73km from the proposed site. The medium hazard zone is found 5.24km away from the proposed site. As per Cluster certificate dated 14/02/2024, there is no quarry within a 500m radius of the project boundary. **Based on discussion, the Committee decided to direct the PP to submit the following shortcomings.**

1. 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.
2. CER as per the guidelines uploaded on the SEIAA website.
3. EMP prepared by the NABET accredited consultant.
4. Detailed Compensatory afforestation plan with geotagged photos and consent of the land owner, if the proposed area does not belong to the PP.

Item No.07 Environmental Clearance for the Ordinary Earth Removal Project of Sri. Suresh K.K for an area of 0.5722 Ha (57.22 Ares) at Block No. 32, Re- Sy No. 383/13-1, 384/9-2-2, 384/13-2-2, 384/10, 384/22, 384/23 in Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam.
(SIA/KL/MIN/469574/2024)

The committee discussed the proposal and examined the additional documents submitted by the project proponent. The work order dated 12.08.2024 states that the 30,000m³ ordinary earth will be utilised for the filling of Perumbavoor Bypass Phase-1. The Committee found that the details of the land to be filled are not included in the work order. The elevation of the area varies from 58m MSL to 82 m MSL and the houses are located at around a distance of 17.8m to 18.5 m. The maximum depth of excavation proposed is 12m, which is relatively high. The documents submitted by the PP indicated that the impact of excavation of soil on the three houses are not addressed adequately. The committee also found that the depth of mining is relatively high, which may lead to formation of earthen pits adversely impacting the ground water table, reported as 8.5m bgl during the presentation. **Since the project**

proponent did not address the significant impacts and suggests appropriate mitigation measures, the Committee decided to recommend rejection of the proposal by invoking precautionary principle, considering the impact on the houses nearby.

Item No.08 **Reappraisal of EC issued by DEIAA Kollam, for the Granite Building Stone Quarry of Sri. L. Saiju, Managing Partner, M/S. Akkavila Sajeenan Aggregates for an area of 2.6491 Ha at Survey Nos. 474/4, 474/16, 474/17, 474/5, 474/18, 476/6, 474/21, 474/20, 474/7, 474/24, 474/10, 476/8, 476/7, 476/6, 476/4, 475/23, 475/24, 475/9-1, 476/17, 474/19 & 476/20 in Veliyam Village, Kottarakkara Taluk, Kollam District. – Judgement dated.23.05.2024 in WP (C) No. 17919 of 2024. (SIA/KL/MIN/477635/2024)**

The committee discussed the proposal and examined the additional documents submitted by the project proponent. The EC issued by DEIAA dated 24.09.2018 is for a mine life of 5 years with a mineable reserve of 14,82,300 MT. As per the amended mining plan approved dated 27.07.2018 the total quantity of reserve reported is 11, 85,975 MT. The PP has submitted the CCR dated 23.08.2024. Some of the documents required as per the OM dated 28.4.2023 are yet to be submitted. The Survey Map is authenticated by the Village Officer and it does not have the details required including the built structures within 200m and distance to the built structures. The EMP is not found site specific and regressing proposal is not satisfactory. As per the Scheme of mining the remaining quantity available is 4,16,927 MT. As per the demand notice dated 15.12.2023 from the Mining and geology reported a quantity of 10,94,478 MT mined beyond the buffer zone including the permit area. The illegal mining reported for a quantity of 5,74,986.69 MT and imposed a fine of Rs 3,55,84,675/- by the Mining and Geology department. The Committee also noted that the current working depth, as per the CCR, is observed as 105m MSL and as per the EC, the depth of mining is to be limited to 90m AMSL. As per the cross section in the Scheme of mining, the section the C-C' & D-D' indicates that the elevation is at 75-65m above MSL. Therefore, there seems to be mismatch. The Cluster Certificate submitted dated 29.05.2024 states that there are no working quarries within 500m radius from the proposed site, but as per the google imagery, there is an adjacent quarry within 500m radius. **Based on discussion, the Committee decided to entrust the team of Dr. R. Ajayakumar Varma and Dr. Mahesh Mohan to conduct field inspection and report.**

Item No.09 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. Prasad C.V for an area of 0.1932 Ha at Block no. 70, Re-Survey Nos. 49/557, 49/895 in Nediyinga Village, Thaliparamba Taluk, Kannur District.(SIA/KL/MIN/479844/2024)**

The committee examined the Comprehensive EMP submitted by the project proponent and found them satisfactory. As per the application, the total quantity proposed for mining is 26,566 MT. The life of mine is 2 years. The project cost is 5,98,700/-. The highest elevation of the proposed area is 170m AMSL and the lowest elevation is 168m AMSL. The depth to water table is 6m BGL at 160m AMSL. The distance to nearest built structure is 167.8m. The

distance to Medium Hazard Zone is 2.1km and the distance to high Hazard Zone 6km. As per the Cluster Certificate 25.03.2024 states that, there is no quarry working within 500m. **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 project proponent should comprehensively implement the EMP by considering the adjacent projects.
2. The depth of mining should be limited to 4m bgl.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. 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.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. 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.
14. 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.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. 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.
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)

Item No.10 **Extension of Environmental Clearance for the Building and Construction project, M/s KGA International Trades Pvt. Ltd. of Sri. K.C. Eapen at Survey Nos. 56/67, 28/65, 29, 51/2, 3, 4, 5, 6 & 9 in Block 105 & Survey Nos. 4/1 in Block 104 in Vazhappally East Village, Changanassery Taluk, Kottayam (SIA/KL/INFRA2/460048/2024)**

The PP obtained Environmental Clearance for the construction of Commercial Complex from MoEF & CC vide File no. 21-9512021-1A-III dt. 10-12-2021 for a built-up area of 50,911 sq.m. in a plot area of 16,117 sq.m. (1.6117 ha.). As per the application, total Built-up area is 59,811 sq.m. (EC obtained built-up area is 50,911 sq.m.+ proposed built-up area 8,900 sq.m.). The total plot area is 1.6117 ha. The height of the building is 32.75m. The cumulative project cost is Rs. 221 Crores. The floors proposed are Basement-2 + Basement-1 + Lower Ground floor + Ground floor + 6 floors.

As invited the project proponent Sri. K.C. Eapen and the Consultant, Sri. Jomon from M/s Environmental Engineers & Consultants Pvt. Ltd were present. The consultant made the presentation. As per the presentation, the PP has submitted application to Chief Town Planner vide letter dated 29-04-2024 for revision of the building permit. As per the presentation the depth to water table is reported as 1.6 - 2.8m bgl. The total quantity of ordinary earth to be excavated from the site is 41,200cu.m. The topsoil (3,200 cu.m.) would be used for landscaping work. The excavated earth to the tune of 17,000 cu.m is to be used for backfilling work. The excess excavated quantity would be stored in the land bank of PP in Thiruvalla village (located about 11 km from the project site). The parking facility proposed is 625 cars and 2,665 sq.m. space for two-wheelers. The mechanical parking in the previous EC is changed and proposed in 1st basement floor, 2nd basement floor, lower ground floor and ground floor. The total STP capacity is 210 KL ie, 200 KL as per EC of MoEF&CC and additional facility proposed for 10 KL. The total water requirement is 262 KL. **Based on discussions, the Committee decided to direct the Proponent to submit the following details.**

1. Surface contour details and details of land to be filled.
2. Revised CER as per the guideline published on the SEIAA website with stake holder consultation.
3. Detailed drainage plan.
4. Yield characteristics of the wells proposed.
5. Clarification regarding the approval for the change in design from the Town Planning Department

Item No.11 **Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Binumon T. G., Managing Partner, M/s Megan Rocks, for an area of 1.3210 Ha at Block No. 9, Re- Sy No. 505/2 in Pazhavangadi Village, Ranni Taluk, Pathanamthitta District. (SIA/KL/MIN/476101/2024)**

As invited, the Project Proponent Sri. Binumon T.G and the RQP Sri. VK Roy were present. The RQP made the presentation. As per the application, the total mineable reserve is 5,01,032

MT. The life of mine is 5 years. The project is Rs. 2.0 Crores. The elevation of the proposed area varies from 95m MSL to 130m above MSL. The medium hazard zone is at 4.19 km away from the proposed area and the high hazard zone is at 5.21 km. As per the approved mining plan the depth to water table is 8m bgl at 80 m above MSL. As per the letter dated 18.08.2024, that soil profile is typical and the quarrying will not affect the soil horizons. The PP submitted NOC from the Irrigation Department vide letter dated 03.09.2024 and states that no irrigation structures are located within 1km radius of the proposed site. The NOC states that if there are any irrigation structures owned by other irrigation departments, the same may be obtained from the concerned institution. The PP also submitted the Comprehensive EMP prepared by NABET accredited agency. An own shed is located at 9m from the proposed site and the nearest house is located at a distance of 58m. The nearby shed is dilapidated as per the photographs. **Based on discussion, the Committee decided to direct the Proponent to submit the following:**

1. NOC from other Irrigation departments as stated in the NOC submitted by the Proponent
2. Soil profile across and along the project area.

The Committee also decided to entrust Dr. R. Ajayakumar Varma and Dr. Mahesh Mohan for field inspection and report.

Item No.12 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Shoukathali for an area of 0.4008 Ha at Block No. 04, Sy No. 119/8-37 in Puzhakkattiri Village, Perinthalmanna Taluk, Malappuram (SIA/KL/MIN/484487/2024)

The Committee examined the additional documents submitted by the project Proponent and found them satisfactory. The production proposed is 55110 MT and the life of mine is 3 years. The depth of mining proposed is 6m bgl and the depth to water table reported is 8m bgl. The project cost is Rs.17,82,320/-. The site is in the summit portion of an isolated midland hill and moderate hazard zone is located 55m away from the proposed site. As per the presentation, a shed is located at 56.04m from the proposed site. Considering the site characteristics, stagnation of water in the pit is not be desirable. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following specific conditions in addition to the general conditions.**

1. Mining should be done avoiding stagnation of water in the pit.
2. The depth of mining should be limited to 6m bgl.
3. The excavation activity should not involve blasting.
4. The excavation activity should be restricted to 2m above the groundwater table at the site.
5. The excavation activity should not alter the natural drainage pattern of the area.
6. The excavated pit should be restored by the project proponent for agriculture and other useful purposes.
7. Appropriate fencing all around the excavated pit should be made to prevent any mishap.

8. Measures should be taken to prevent dust emissions by covering excavated earth during transportation.
9. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to the excavation of earth.
10. Workers/laborers should be provided with facilities for drinking water and sanitation.
11. 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.
12. A minimum distance of 50m from any civil structure should be kept from the periphery of the project area.
13. 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.
14. 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.
15. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
16. 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.
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)

Item No.13 Environmental Clearance for the Granite Building Stone Quarry of Sri. Unnikrishnan. K for an area of 0.6067 Ha at Re-Survey No. 186/1,3,5 in Thachanattukkara-II Village, Mannarkkad Taluk, Palakkad District.
(SIA/KL/MIN/468658/2024)

As invited, the Proponent Sri. Unnikrishnan.K and the Consultant Dr. A. Dhamodaran were present. The consultant made the presentation. As per the application, the total mineable reserve is 1,09,285 MT. The life of mine is 3 years. The nearest house is situated at a distance of 101.9 m. The elevation of the proposed area varies between 55m MSL and 44m MSL. As per the cluster certificate dated 14.02.2024, there are no quarry in operation within 500m radius of the proposed site. As per the Form-1, the expected project cost is 1.15 crore. As per the presentation, the depth to water table is 15 m bgl. Considering the elevation difference of the proposed area, 2 benches is permissible. There is a building located at 36m away from the proposed site. As per the existing norms the mining shall be permitted by maintaining a buffer of 50m from all the built structures adjacent to the project boundary. The committee also found that the width of the area proposed is 62m and the site is located on top of an isolated hillock. Considering the width of the site, it is difficult to maintain a buffer of 50m from the nearest built structures and the formation of deep water body at a top of hill is not advisable. **In this circumstance, the mining with feasibility of only 2 benches by removing the vegetation in the site is not desirable for the upkeep of the environment**

and hence the committee recommends rejection of the proposal by invoking the precautionary principle.

Item No.14 **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 proposal and scrutinised the additional documents submitted by the project proponent. As per the PFR the life of mine is 10 years. The elevation of the proposed site varies between 180m above MSL to 120m above MSL. There are no houses within 100 m radius. As per the ADS sought in the 160th SEAC meeting, the PP submitted proof of application for wildlife clearance vide proposal No. FP/KL/QRY/4572/2019. As per the letter of District Collector dated 23.07.2024, the complaint filed by Sri. Roy against the proposed quarry is withdrawn with reference to the letter from Tahsildar, Alathur dated 25.06.2024. As per the letter of the District Geologist dated 16/05/2024, the lessee has produced a total quantity of 3,25,000 MT of material from the permit area after the approval of scheme of mining ie; 16-03-2022 till 15-05-2024 and hence out of 15,52,743 MT the balance mineable reserve as per approved Scheme of Mining is 12,27,743 MT for the remaining years. The SEAC in its 169th meeting heard the presentation of the Proposal. **Based on discussion, the Committee decided to direct the PP to submit/revise the following additional documents.**

1. The EMP incorporating site-specific environmental issues and mitigation measures including budget cost for the entire period.
2. CER as per the guidelines uploaded in the SEIAA website.
3. Plan for maintaining a buffer of 50m from the crusher.
4. 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.15 **Environmental Clearance for the Laterite Building Stone Quarry of Sri. George Thomas, for an area of 0.1744 Ha at Block No. 53, Re-Survey No. 56/11 in Wadakkanchery Village, Thalapilly Taluk, Thrissur District. (SIA/KL/MIN/467123/2024)**

The Committee examined the additional documents submitted by the Project Proponent and found them satisfactory. As per the application, the total mineable reserve is 10,100 MT. The project cost is 15 Lakh. The highest elevation of the proposed area is 106 m above MSL and the lowest elevation is 96 m above MSL. A shed is located at a distance of 74.6m. The nearest house is located at a distance of 142.6m. The Peechi-Vazhani Wildlife Sanctuary is located at a distance of 9.05km from the proposed site. The PP submitted the proof of application for Wildlife clearance (WL/KL/MIN/QRY/494189/2024) dated 27.06.2024. The medium hazard zone is located at a distance of 3.3 km and the high hazard zone is located at a distance of 6.8 km. As per the Cluster Certificate dated 25.03.2024, there are no working

quarry within 500m radius. The Committee heard the presentation of the proposal in 165th SEAC meeting. The depth to water table as per the Presentation is 8 m bgl at 81 m 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 depth of mining should be limited to 6m bgl.
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.16 Environmental Clearance for the proposed construction of new buildings within the existing Institutional complex to be developed by M/s JDT Islam Orphanage Committee at Sy. Nos. 155/5, 155/4B, 155/53 (Old No. 155/3), 154/87, 154/122, 154/30 (Old no. 154/8B), 154/19 (old no. 154/9), Chavayoor Village, Kozhikode Municipal Corporation, Kozhikode Taluk & District (SIA/KL/INFRA2/457794/2024)

As invited, Sri. Idrees V, Secretary, M/s JDT Islam Orphanage Committee and the consultant Sri Jomon of M/s Environmental Engineers & Consultants Pvt. Ltd. were present. The

consultant made the presentation. As per the application, the total plot area is 8.3443 ha (83,443 sqm). The total built-up area is 1,02,727.39 sqm. The total built-up area constructed prior to 2006 is reported as 62,187.25 sq m. Total built-up area of the buildings to be retained is 36,126.26 sq m. Total built-up area of the building to be demolished is 26,060.99 sq m. The topography of the area varies from 55 lvl to 18 lvl. The FAR is 1,30,171.08 sq.m. (@1.56). The total quantity for OE excavation proposed is 38,218 cu.m. and the same will be consumed within the site. As per the Google imagery, there are building constructed post 2006. **In this circumstance, the Committee found the following shortcomings.**

1. CER need revision and it lack consultation with the local stake holders.
2. Clarification regarding the buildings constructed within the campus post 2006.
3. Adequacy of parking.
4. Detailed overland drainage.
5. Source of water and yield characteristics.
6. Adequacy of STP.
7. Details of solid waste management and location proposed for establishing the management facility

Based on discussion, the Committee decided to entrusted Dr. A.N. Manoharan and Prof. Dr. CC Harilal for field inspection and report.

Item No.17 Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Riyas.C., for an area of 1.0985 Ha at Re- Sy No. 28/1-6, 28/1-1,28/1-5 in Karakkunnu Village, Ernad Taluk, Malappuram. (SIA/KL/MIN/459939/2024)

As invited, the authorized person, Sri. Shakeel M and the Consultant Dr. A. Dhamodaran were present. The consultant made the presentation. As per the resubmitted mining plan, the mineable reserve is 3,37,883.06 MT. The mine life is 12 years. The elevation of the area varies from 140m above MSL to 80m above MSL. The nearest house is situated at a distance of 201.95 m from the site. As per the application, the depth to water table reported as 10m bgl. The ultimate pit level proposed is 75m above MSL. The environmental management measures proposed lack site-specific details and it does not detail as to Who, Where, When, and How the proposed activities will be implemented. **Based on discussion, the committee decided to direct the PP to submit the following documents.**

1. Revised CER as per the guidelines uploaded in the SEIAA website.
2. Revised EMP considering specific impacts, and mitigation measures with details pertaining to Who, Where, When, and How the proposed environmental management activities will be implemented in the cluster area
3. Detailed Transportation plan and Traffic impact.
4. Detailed plan for preventing the possible breach of water as there is an adjacent quarry with deep cuttings and with high breach potential as per the drone video.
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 4655of 2024 dated 19-04- 2024.

The Committee decided to entrust Dr. A.N. Manoharan and Prof. Dr. CC Harilal for field inspection and report.

Item No.18 **Re-appraisal of Environmental Clearance for Granite Building Stone quarry project of Sri. Vinu Mani, Managing Partner, M/s. Paramount Granites for an area of 3.8669 ha at Sy. Nos. 223 pt, 223/2, 223/6 pt, 118/14 pt, & 118/15 in Vandazhi - I Village, Alathur Taluk, Palakkad, (Old Proposal No. SIA/KL/MIN/308007/2024; 664/SEIAA/EC1/5179/2014), (New Proposal No. SIA/KL/MIN/482844/2024)**

The Committee examined the proposal and scrutinised the additional documents submitted by the project proponent. As per the Cluster certificate submitted by the project proponent dated 06.09.2024, there are the following 3 quarries within 500m radius.

1. Quarry of M/s Peejay Granites for an area of 4.7664 Ha.(Working)
2. Quarry of Prakash for an area of 0.9712Ha. (Permit expired)
3. M/s TMT Granites for an area of 5.0116 Ha (Working)

Considering the above quarries, the area comes altogether more than 5Ha within the cluster. **Therefore, the project proponent has to carry out EIA study, prepare environmental management plan, and conduct public hearing as per existing norms. Hence, the Committee decided to direct the Proponent to apply for ToR.**

Item No.19 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammed Nishad.P, for an area of 0.798244 Ha at Re-Sy No. 33/1033, 33/1032,33/1076, 33/1079,33/1078 in Kakkad Village, Kozhikode Taluk, Kozhikode (SIA/KL/MIN/472280/2024)**

The Committee examined the proposal and scrutinised the additional documents submitted by the project proponent. The PP submitted Comprehensive EMP considering the adjacent mines. The depth to water table is reported as 9m bgl. The elevation of the proposed area varies from 162m to 202m AMSL. The total production of mine proposed is 1,15,986.6 MT for a mine life of 2yrs. The drone video submitted doesn't seem to be of the proposed site. **Hence, the Committee decided to direct the PP to submit revised drone video of the proposed site.**

Item No.20 **Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Illyas.M for an area of 0.8098 Ha at Block No.06, Re-Sy No. 244/3-3,243/2,243/3 in Vazhayur Village, Kondotty Taluk, Malappuram. (SIA/KL/MIN/485560/2024)**

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The production proposed is 89,078 MT and the life of mine is 3 years. The project cost is Rs.50 Lakh. The average depth of mining proposed is 5.5m bgl and the depth to water table reported is 10m bgl. There is no house within 50m of the project boundary. The elevation difference of the proposed site is 132m to 122m AMSL. The

medium and high hazard zones are located at 5 Km and 19 Km away from the proposed site. As per the Cluster Certificate dated 02.06.2024, there are no authorized quarry in operation within 500m radius of the proposed quarry. **Based on discussion, the Committee decided to recommend EC for 3 years subject to the following specific conditions in addition to the general conditions.**

1. Mining should be done avoiding stagnation of water in the pit.
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)

PARIVESH FILES (Ver-2)

PART-3

Item No.01 **Environmental Clearance for the Granite Building Stone Quarry of Sri. Muhammed Shereef for an area of 0.8174 Ha at Block No. 7, Re-survey no. 201/9 in Keralassery Village, Palakkad Taluk, Palakkad District.(SIA/KL/MIN/468533/2024)**

The Committee scrutinised the additional documents submitted by the project proponent and found them satisfactory. The total minable reserve reported is 2,10,070 MT. The life of mine is 3 years. The project cost is 1.21 crore. The elevation of the permit area varies from 90m above MSL to 80m above MSL. The nearest house is located at a distance of 159.5m. The medium hazard zone is at a distance of 6.45 km and the distance to high hazard zone is 13.30km. As per the Cluster certificate 23.03.2024, there are no quarry operations within 500m radius. As per the additional documents submitted dated 30.09.2024 the depth to water table is given by 9m bgl. The PP obtained the NOC from the Irrigation department vide letter dated 10.07.2024 with 14 conditions for a period of 1 year. **Based on discussions, the Committee decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions.**

1. The depth of mining should be limited to 75m above MSL considering the depth to water table.
2. Conditions in the NOC of the Irrigation Department should be strictly complied with and it should be renewed for the upcoming years.
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.02 Environmental Clearance for the Ordinary Earth Mining Project of Sri. George Thomas for an area of 0.9872 Ha at Re-Survey Nos. 56/20-1, 56/11 in Wadakkanchery Village, Thalappilly Taluk, Thrissur District.(SIA/KL/MIN/466524/2024)

The Committee discussed the field inspection report conducted on 01.10.2024 and noted the following observations in field.

- a) The project site was earlier a rubber plantation and is seen cleared and not under any crops for the last few years. Rubber plantations seen on North, East and SW boundaries
- b) Presently the project site is covered with wild coppice growth and climbers
- c) Scattered boulders are seen in the project site
- d) Average depth of mining is 6m (with benches)
- e) A laterite mining project is under consideration on the north-eastern boundary.
- f) As per the google map, the eastern boundary is abutting RF.
- g) The project site is at a distance of 9km from Peechi-Vazhani WLS
- h) Work order received is one year old

- i) Depth to water table & CA plan are available only in PPT

Based on the observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application.

- a) Boulder management plan
- b) Comprehensive drainage plan considering the proposed project and the adjacent laterite project connecting to existing natural drains with adequate silt traps
- c) Compensatory afforestation plan
- d) Latest survey map with dated signature of the authority
- e) Certified distance from forest boundary
- f) Clearance from NBWL
- g) Latest work order and details of end users/clients with total requirement
- h) Depth to water table below ground level
- i) Revised site-specific EMP addressing the impact on the adjacent areas
- j) Revised CER as per guidelines

Item No.03 Environmental Clearance for the Expansion of the existing residential Building Construction project, M/s Heera Construction Company Pvt. Ltd. of Sri Mr. Tiju Varghese Chacko at Re-Survey Nos. 4 & 2, in Thycaud Village, Thiruvananthapuram Taluk, Thiruvananthapuram District. (SIA/KL/INFRA2/481230/2024)

The Committee examined the application and discussed the field inspection report conducted on 04.09.2024. As per the application the plot area is 1.356Ha. the total built-up area is 70,555.62 m². The total Project cost is 12300 (As per EC obtained Rs. 93 Crores + Additional Cost Rs. 30 Crores). The Ground water level is found at 0.75 m. to 0.90 m bgl. The details regarding the existing and proposed multilevel facilities for vehicle parking including the design and layout of the proposed facility are not uploaded. The Committee observed the following noncompliance as per the old EC.

- 1. The proposed STP capacity is 415 KLD and it is not installed.
- 2. Total parking proposed in the GR Floor is 298, First floor is 300 (598 cars) and 300 two wheelers – Partially complied as there is no provision observed for parking in the first floor.
- 3. Green belt development – not complied
- 4. Apart from green belt and STP, non-compliances from the CCR pertaining to storm water drainage, rainwater harvesting, energy conservation, improvement of energy efficiency, solar power generation etc.

Based on the observations and discussion, the Committee decided to direct the Proponent to submit the following additional documents for further appraisal of the application.

- 1. Clarification regarding the noncompliance reported in the CCR
- 2. Details regarding the existing facilities and proposed multilevel facilities for vehicle

- parking parking including the design and layout of the proposed facility
3. As per the Old EC, the total parking proposed is for 598 cars (GR Floor- 298, First floor – 300) and 300 two wheelers. However, this is not achieved though the building is completed. Reason for the same should be provided.
 4. Clarification for reducing the provision of car parking as per the original EC and provision made in the proposed plan.
 5. Reason for not utilizing the space provided for parking as per the original EC and proposed plan for its utilization in the event of shifting the car parking area
 6. Material requirements for the new construction, activities envisaged during the construction, environmental management proposed during the construction and operation of the new facility
 7. Details of the site proposed to be used for storage of the additional construction proposed and measures proposed for mitigating the impacts due to the transportation and storage of materials to the residents
 8. Mitigation measures proposed for preventing the impacts during the construction and operational phases of the proposed car parking facility
 9. Detailed proposal for developing Green belt all around
 10. Plan for energy conservation and solar power generation.
 11. Plan for providing charging facilities for electric vehicles

Item No.04 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdul Basheer V.P, for an area of 0.9579 Ha at Block No. 34, Re- Sy No. 38/10, 46/10, 46/12, 38/12,46/14 in Atholi Village, Koyilandy Taluk, Kozhikode (SIA/KL/MIN/469633/2024)

The Committee examined the application and scrutinised the additional documents submitted by the project proponent 30/09/2024. As per the drone video of the site, it is an isolated hill that is virgin in nature. Such hills are reported to influence the micro climate and enhance the aesthetic environment of the area. Therefore, it is desirable to retain such an area without disturbing the natural landscape. **Hence the committee decided to recommend rejection of the proposal considering the importance of conservation of the environment of the proposed site and its locality.**

Item No.05 Environmental Clearance for the Residential cum Commercial Building and Construction project of Kerala State Housing Board at 1176/1-2, 1176/2-2 & 2498, Marine Drive, Ernakulam Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam. (SIA/KL/INFRA2/491168/2024)

As invited, the authorized persons Mrs. Rani PN, Deputy Chief Engineer and the Bimal S Thulasi Senior official were present. The consultant Sri Jomon of M/s Environmental Engineers & Consultants Pvt Ltd. was made the presentation. As per the application, the total plot area is 1.2809 ha. (12,809 sqm). FAR proposed is 51,186 sqm @3.996. The total built-up area is 77,804 sqm. The topography of the area is 2.4 lvl to 1.681 lvl. The Mangalavanam

Bird Sanctuary is located at 0.22 km away from the proposed site. The Project cost is Rs. 582.72 Crores. As per the presentation, application for NOC from AAI (CIAL/SOUTH/B/092524/1246097) is submitted dated 25.09.2024. Expected sewage generation is reported as 193 KL/day and Capacity of STP is 250 KLD. The total excavated Ordinary Earth (O.E.) is given by 12,365 cu.m. and the excavated quantity would be stored in the adjacent land of the project proponent. The floors proposed are composed of Lower Ground floor + Ground floor + 28 floors with a height of 119.95 m. The PP also represented the proof of application submitted for Wildlife Clearance vide dated 03.08.2024(WL/KL/INFRA/491140/2024). **Based on discussion the committee decided to direct the PP to submit the following documents.**

1. Clarification regarding Land documents.
2. Clarification on the requirement of NOC from the Airport Authority.
3. Revised CER activities.
4. Source of water and permissions for drawal.

The Committee decided to entrusted Dr. N. Ajithkumar and Sri. S. Sheik Hyder Hussain for field inspection and report.

Item No.06 Environmental Clearance for the Granite Building Stone Quarry of Sri. Sri. P. M. Ibrahim, Managing Partner, M/s. Southern Granites, for an area of 4.6057 Ha at Re-Survey Nos. 327/3, 328/2, 328/4, 329/4, 328/5, 330/5 & 329/3 in Peringome Village, Payyanur Taluk, Kannur (SIA/KL/MIN/ 457699/2024)

The committee examined the proposal and discussed the Evaluation report received on 09-10-2024. As per the 169th SEAC meeting the PP intimated that there is one more proposed quarry of M/s. Perigome Stone Crusher within the 500m Cluster and they had already prepared the Combined EIA and EMP which includes the details of all the three cluster quarries. Since the M/s. Perigome Stone Crusher already conducted a Combined EIA study and public consultation for the same cluster area the PP requested to exempt them from the EIA study. The Committee examined the averment made by the Project Proponent to exempt the proposal from the EIA study and Public Consultation and submit a report based on the provisions contained in the EIA Notification, 2006 and its various amendments and Order of the NGT dated 13.9.2018. Based on evaluation of the documents in the application for EC filed by M/s. Peringome Stone Crushers and details submitted for by M/s. Southern Granites and after examining the provisions in the EIA Notification, 2006 and its amendments and the Order of Hon'ble NGT dated 13.9.2018. **Based on the evaluation report submitted the Committee observed the following.**

1. It is noticed that as per letter No. SIA/KL/MIN/429866/2023, 2272/EC4/2023/SEIAA dated 02.09.2023 to M/s. Peringome Stone Crusher, ToR was issued to submit the EIA study report by considering the impact of adjacent quarries. However, the ToR letter does not specifically mention the name of the proposed quarry.
2. It is also observed that the EIA report of M/s. Peringome Stone Crusher is for an area of 2.9188 Ha (file No. SIA/KL/MIN/473115/2024). During the public consultation,

there was apprehension regarding the non-consideration of the activities of M/s. Southern Granites while doing the EIA studies.

3. In the EIA report, the production details of M/s. Southern Granites are found mentioned. But the project details of M/s. Southern Granites, having an area of 4.6057 Ha and the impacts due to the activities of the M/s. Southern granites are not found detailed in the EIA report. Further, the environmental management plan also does not address the impacts due to the activities of M/s. Southern Granites.
4. It is noted that M/s. Southern Granites fall in the cluster of M/s. Peringome Stone Crusher. There are at least two major quarries in the southern part of M/s. Southern Granites including M/s. Jas Granites (File No. 1148/EC/SEIAA/KL/2017) fall in the cluster of M/s. Southern Granites, but not in the cluster of M/s. Peringome Stone Crusher for which EIA and Public consultation were done.
5. During the Public Consultation, it was highlighted that the EIA report does not adequately deal with other quarries such as M/s. Southern Granites, M/s. Jas Granites etc., falling in the impact zone of 10km stipulated for conducting the EIA study.

Taking all these aspects into consideration, it is found that the impact of M/s. Southern Granites are not adequately considered in the EIA report of M/s. Peringome Stone Crusher. Therefore, the Committee decided to direct M/s, Southern Granites to apply for ToR.

The Committee decided to convene its 173th meeting on 4th to 6th November 2024 (Physical)

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	07.10.2024	08.10.2024	09.10.2024
1.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓	✓
2.	Sri. S. Sheik Hyder Hussain	✓	X	✓
3.	Dr. A. Bijukumar.	X	X	X
4.	Dr. A.N. Manoharan	✓	✓	✓
5.	Shri. M. Dileepkumar	X	X	X
6.	Dr. C.C. Harilal	✓	✓	✓
7.	Dr.K.VasudevanPillai	✓	✓	✓

8.	Dr. Mahesh Mohan	√	√	√
9.	Dr. K.N. Krishna kumar	√	√	√
10.	Sri. V. Gopinathan	√	√	√
11.	Dr. A.V. Raghu	√	√	√
12.	Dr. N. Ajithkumar	X	X	X
13.	Suneel Pamidi (Secretary)	√	X	X