

PARIVESH

PART 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

- 1. SIA/KL/MIN/126475/2019, 1724/EC3/2020/SEIAA
Environmental Clearance for the building stone quarry at Re-Survey No.
104/8-1pt, 110/7pt, Block No.12 of Vengoor Village, Kunnathunad Taluk,
Ernakulam District, Kerala for an Area of 0.6046 Ha.**

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total mineable reserve is 117460 MT, life of mine proposed is 3 years, distance to nearest built structure is 58m. Based on discussions, **the Committee decided to recommend issuance of EC for a period of 3 years** subject to the following specific conditions in addition to the general conditions:

1. Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.
2. Environment Management Cell (EMC) shall include one Environment Science qualified subject expert.
3. The impact of vibration due to blasting on the nearest houses and other built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
4. Development of green belt to be initiated in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
5. Drainage system incorporating garland canal, silt traps at every 50m, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining.
6. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
7. Overburden dumping site should be protected with retention wall of appropriate height.
8. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
10. The haulage road should be developed and maintained well with frequent sprinkling.
11. Adequate sanitation, waste management and rest room facilities should be provided to the workers.

12. Adequate energy conservation measures proposed should be implemented including solar power installations.

2. **SIA/KL/MIN/127122/2019 , 1562/EC1/2019/SEIAA**

Proposed granite quarry of Mr. Mathew Daniel for an extent of 2.23.92 Ha in Sy. No: 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 at Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala.

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. **The Committee decided to invite the proponent for presentation.**

3. **SIA/KL/MIN/132766/2019 , 1718/EC6/2020/SEIAA**

Application for Environmental Clearance for the Granite Building Stone Quarry project in Re-survey no. 337/1 in Morayur village, Kondotty Taluk, Malappuram District, Kerala for an area of 0.6301 Ha by M.Kunhi Muhammed.

Decision: The Committee examined the proposal and verified the documents submitted by the proponent. Based on discussions, **the Committee decided to entrust Dr. C. C Harilal and Dr. R Ajayakumar Varma for field inspection and report.**

4. **SIA/KL/MIN/134527/2020 , 1637/EC3/2020/SEIAA**

Building Stone Quarry of M/s. Four Star Granites at Sy. 503/1, 503/2, 498/3-B/8-6,& 493/1/14-8 of Village- Varappetty, Taluk – Kothamangalam, District – Ernakulam, Kerala over an area of 1.6479 Ha.

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total mineable reserve is 6,21,538 MT, life of mine proposed is 12 years, maximum mine depth is 40m above MSL and distance to nearest house is 63.9m. As per mine plan, it is proposed to extract 5,05,563 MT during the first five years and the rest of 1,48,688 MT during the next 7 years. Considering the extraction rate proposed, it is decided to limit the Project period to 7 years. Based on discussions, **the Committee decided to recommend issuance of EC for a period of 7 years** subject to the following specific conditions in addition to the general conditions:

1. The depth of mining should be limited to 35m above MSL to prevent intersecting of water table.
2. 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.
3. The garland canal, silt traps and outflow channel should be maintained periodically by cleaning and desilting and geo-tagged photographs of the process should be included in the half yearly compliance report

4. Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
5. Compensatory afforestation should be done at the proposed site with local plants as mentioned in the biodiversity assessment and also climbers and herbs prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.
6. The impact of vibration due to blasting on the nearest houses and other built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
7. Gabion wall of appropriate height should be provided at the overburden dumping site.
8. The boundary pillars should be fixed permanently and submit photos along with HYCR.
9. The approach road leading to the quarry should be widened before the commencement of quarrying
10. The haulage road should be developed and maintained well with frequent sprinkling.
11. Environment Management Cell (EMC) shall include one Environment Science qualified subject expert.
12. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
13. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
14. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
15. Adequate energy conservation measures proposed should be implemented including solar power installations.

5. SIA/KL/MIN/134791/2020, 1625/EC1/2020/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry of Raju .K. Thomas over an extent of 2.9824 Hectares in Re Survey No. 217pt (Govt. Land) at Pallickal Village, Block No.-26 of Varkala Taluk, Thiruvananthapuram, Kerala

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 5 years for extracting 10,87,100 MT of granite building stone with an extraction rate of 2,35,465 TPA. The nearest house is at 54m and depth to water table is 55m above MSL. **The Committee discussed the proposal and decided to recommend EC for a period of 5 years** subject to the following Specific Conditions in addition to the General Condition:

1. The depth of mining should be limited to 58m above MSL to prevent intersecting the water table as the depth to water table is 55m above MSL.
2. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the half-yearly compliance report.

3. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
4. A retaining wall of appropriate height should be provided for the overburden dumping site.
5. OB Dump site should be in the open land available at lower elevation, forensuring safe storage and easy removal and usage of soil at the time of closure of themine.
6. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.
7. The approach road leading to the quarry should be widened to a minimum width of 7 m before the commencement of quarrying.
8. The boundary pillars should be changed with concrete pillars with a minimum size of 10 cm x10 cm,marked with geo coordinates and provide proof (photo) along with HYCR.
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. Garland drain, silt-traps, siltation ponds and outflow channel should be desilted periodically and geo-tagged photographs of the process should be included in the HYCR.
11. An additional settling pond should be established at the lower part of leased land, for ensuring clear water discharge, into nearby river / lower part of land, as Pallichal River is flowing nearby.

The EC shall be issued only after the receipt of valid NOC from the District Authorities.

6. SIA/KL/MIN/135414/2020 , 1601/EC2/2019/SEIAA

Environmental Clearance for the building stone quarry of area 0.5295 Ha at Survey No : 143/1A of Kolathur Village, Kasaragod Taluk, Kasaragod District, Kerala of Balakrishnan Quarry.

Decision: The Committee examined the proposal, verified the documents and **decided to entrust Sri.V Gopinathan & Dr.A.N.Manoharan for field inspection and report.**

7. SIA/KL/MIN/142587/2020 , 1665/EC2/2020/SEIAA

Environmental Clearance for the building stone quarry of area 0.6355 Ha at Re. Sy. No. 179/1, 182/1,2 in Kayyur Village, HosdurgTaluk, Kasaragod District, Kerala of Mr K.V Bhaskaran.

Decision: The Committee examined the proposal, verified the documents and **decided to entrust Sri. V Gopinathan & Dr.A.N.Manoharan for field inspection and report.**

8. SIA/KL/MIN/143147/2020 , 1755/EC3/2020/SEIAA

Building Stone Quarry of Mr. Jiji P Ulahannan at Sy No. 73/1B, 73/2B of Village-Muvattupuzha, Taluk Muvattupuzha, District- Ernakulam, Kerala over an area of 0.7091 Ha.

Decision: The Committee examined the proposal, verified the documents, and found the following discrepancies:

1. The CER received is not specific and hence inadequate
2. The Survey sketch is not legible.

The Committee decided to entrust Dr.K.N.Krishnakumar & Dr. Mahesh Mohan for field inspection and report.

9. SIA/KL/MIN/148066/2020 , 1693/EC2/2020/SEIAA

Environmental Clearance for Granite Building Stone Quarry of Mr. Babu.P at Survey No. 535/1 in Thayannur Village, VellarikkundTaluk, Kasaragod District, Kerala

Decision: The Committee examined the proposal, verified the documents and observed that the consent obtained is only for 0.6 Ha. **The Committee decided to entrust Dr. A N Manoharan & Sri. V Gopinathan for field inspection and report.**

10. SIA/KL/MIN/148486/2020 , 1640/EC3/2020/SEIAA

Granite Building Stone Quarry of Mr.P.V Paul, for an extent of 0.9905 Ha ReSy No:263/1 of Thuravoor- Village, Aluva- Taluk, ErnakulamDistrict, Kerala.

Decision: The Committee examined the proposal, verified the documents, discussed the field inspection report and found the following discrepancies:

1. The CER received is not specific
2. The Survey sketch is not legible and the distance to the built structures is not mentioned.

The Committee decided to invite the proponent for presentation.

11. SIA/KL/MIN/150744/2020 , 1824/EC3/2020/SEIAA

Granite (Building Stone) Quarry OF Mr.SAJU GEORGE with Permit at survey no's:590/11(1,2,3,4),590/18(1,2,3,4),590/12(2,3) in Vengoor West village, Kunnathunadu Taluk, Ernakulam District, Kerala for an extent of 0.5921 Ha.

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total mineable reserve is 108212.90 MT, life of mine proposed is 5 years, distance to nearest built structure is 160m. Based on discussions, **the Committee decided to recommend issuance of EC for a period of 5 years** subject to the following

specific conditions in addition to the general conditions:

1. Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
2. The buffer zone at the north side should be filled with overburden and green belt developed.
3. Garland drains along with silt traps at 20m interval, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.
4. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, siltraps, siltation pond and outflow channel should be included in the half-yearly compliance report.
5. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.
6. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00 am) and afternoon (3.30pm to 5 pm).
8. The haulage road should be developed and maintained well with frequent sprinkling.
9. Top soil dump site should be at the North-west side and it should be protected with gabion wall
10. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
11. Adequate energy conservation measures proposed should be implemented including solar power installations.

12. SIA/KL/MIN/152787/2020 , 1716/EC1/2020/SEIAA

Environmental Clearance for the building stone quarry project at Re-Sy.No.24/1, 25/4, Block No.50 of Mangalam Dam Village, Alathur Taluk, Palakkad District by Mr M. V. Antoo.

Decision: The Committee examined the proposal, verified the documents along with the proof of application submitted to the NBWL, and discussed the field inspection report. The total mineable reserve is 6,26,885 MT out of which 5,01,410 MT is proposed to be extracted in the first 5 years. The distance to nearest built structure is 142m and the depth to water table is 13m bgl. Based on discussions, **the Committee decided to recommend issuance of EC for a project period of 7 years** subject to the following specific conditions in addition to the general conditions:

1. 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.
2. The garland canal, silt traps and outflow channel should be maintained periodically by cleaning and desilting and geo-tagged photographs of the process should be included in the half yearly compliance report
 3. Development of green belt with indigenous species should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
 4. Compensatory afforestation is required as portion of the buffer is not conducive to thick vegetation growth. Compensatory afforestation should be done at the proposed site with indigenous species as mentioned in the biodiversity assessment report prior to commencement of mining and the progress should be documented as geotagged photographs and submitted along with HYCR.
 5. OB dumping area should be protected with retaining wall/ gabion structure.
 6. The haulage road should be developed and maintained well with frequent sprinkling.
 7. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
 8. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
 9. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
 10. Adequate energy conservation measures proposed should be implemented including solar power installations.
 11. Consent from the neighbor land owners regarding water usage and passing of drainage should be submitted along with the HYCR.

13. SIA/KL/MIN/153262/2020, 1825/EC3/2020/SEIAA

Granite Building stone quarry of Shri. Stephen Joseph, Managing Director, M/s. Crystal Aggregates Pvt Ltd, having an area of 0.9108 Ha in Survey No: 508/3/2,510/3B/2, in Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala State.

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The mineable reserve is 143490MT and proposed life of mine is 5 years. The depth to water table is 12m bgl and the hearest house is at 155m. There are three built structures in the form of Chicken farm sheds within 50m, the first one within 10m from the boundary pillar no.3. In the circumstance, **the Committee decided not to recommend the proposal for environmental clearance due to the presence of built structures within 50m of the project site.**

14. SIA/KL/MIN/156655/2020, 1754/EC3/2020/SEIAA

Environmental Clearance of the proposed Granite Building Stone Quarry of “Mr. Deepak Cheerothy” situated in Sy. Nos: 171/2-2, 171/4 at Karukutty Village Aluva Taluk, Ernakulam District, Kerala State.

Decision: The Committee examined the proposal, verified the documents and found the following shortcomings in the proposal:

- a. CER submitted is not specific and hence it required to be modified with specific monitorable targets in physical terms to be undertaken by the proponent in consultation with the stakeholders as stipulated in the OM No.22-65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF&CC, GOI.
- b. Depth to groundwater table is not provided.

The Committee decided to entrust Dr.Ajithkumar and Dr R Ajayakumar Varma for field inspection and report.

15. SIA/KL/MIN/162354/2020 , 1746/EC1/2020/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Survey number 307/1A in Anakkara Village, Pattambi Taluk, Palakkad District, Kerala by Sri. P T Anilkumar.

Decision: The Committee verified the documents submitted by the proponent and **decided to invite the proponent for presentation.**

16. SIA/KL/MIN/168033/2020 , 1822/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Shri. C. Mukundan, for an area of 0.8977 Ha in Survey No. 89/111, 139/114, 107/143, 107/144, 107/145, 139/113, 107/140, 107/141, 107/142, 107/138, 139/111, 139/112 Kolavallor Village, Thalassery Taluk, Kannur District with an area of 0.8977 Ha.

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total mineable reserve is 117324 MT an the proposed life of mine is 5 years. The depth to water table is 15m bgl and the nearest building is a house at 150m from the project boundary. Based on discussions, **the Committee decided to recommend issuance of EC for a period of 5 years** subject to the following specific conditions in addition to the general conditions:

1. The haulage road should be widened and developed prior to the commencement of mining
2. Garland drains along with silt traps at 20m interval, siltation pond of appropriate volume and outflow channel should be provided covering the entire project area. The siltation pond should be provided at the lowest portion of the project area with the outflow channel connected to natural drain.
3. Garland drain, silt-traps, siltation ponds, and outflow channel should be desilted periodically to prevent any obstruction to the drainage system. Geo-tagged photographs of periodic cleaning of garland canal, silt-traps, siltation pond and outflow channel should be included in the half-yearly compliance report.

4. Development of green belt should be done in the first six months in the demarcated buffer zones prior to the commencement of mining operation and its maintenance status should be included in the HYCR.
5. Compensatory afforestation should be done prior to the commencement of mining with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with half-yearly compliance report.
6. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00 am) and afternoon (3.30pm to 5 pm).
8. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
9. Adequate energy conservation measures proposed should be implemented including solar power installations.

17. SIA/KL/MIN/175428/2020, 1876/EC3/2021/SEIAA

Granite Building Stone Quarry of Shri. Anish Abraham over an extent of 1.0 Ha. in Sy. Nos. 730, Vagamon Village, Peerumedu Taluk, Idukki, Kerala, India

Decision: The Committee examined the proposal, verified the documents and discussed the field inspection report. The total mineable reserve is 347690 MT and the proposed life of mine is 8 years. The depth to water table is 875m above MSL and the maximum depth of mining is 880m above MSL. The distance to nearest built structure is 54.3m. The moderate and high hazard zones are located at 290m and 870m respectively from the project site. Based on discussions, **the Committee decided to recommend issuance of EC for a project period of 8 years** subject to the following specific conditions in addition to the general conditions:

1. The EC issued may be subjected to a review by SEAC after 5 years through filed verification to ensure that mining is carried out sustainably as per the EC conditions.
2. The boundary pillars should be fixed with concrete and geo-tagged photographs of the same should be submitted prior to commencement of mining.
3. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of peak particle velocity and amplitude for maximum charge per delay and included in the first Half Yearly Compliance Report.
4. A temporary wall should be provided all along the stretch of the private road in addition to the green belt to avoid any adverse impact to traffic.
5. Green belt should be developed all along the entire buffer zone in the first year itself and it should be nurtured and maintained
6. Compensatory afforestation should be done prior to the commencement of mining with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
7. The overburden dump should be protected with gabion wall.

8. Garland drain should be laid covering the entire project area and it should be provided with intermittent silt traps at every 20m, siltation pond and outflow channel and it should be connected to the nearest natural drain.
9. Garland drain, silt traps, siltation pond and outflow channel should be desilted periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.
10. The CER should be implemented in total during the first two years and it should be operated and maintained during the rest of the project life till the mine closure plan is implemented in total.
11. The haulage road should be maintained well before the commencement of the mining activity..
12. The Environment Management Cell (EMC) should include one subject expert qualified in environment science.
13. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).
14. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
15. Adequate energy conservation measures proposed should be implemented including solar power installations.

18. SIA/KL/MIN/181699/2020 , 1875/EC3/2021/SEIAA

Granite Building Stone Quarry M/s. Focus Mining Company over an extent of 4.6674 Ha.at Re-Sy. Bl. No.13, Re-Sy. Nos. 335/2-1, 335/2-2, 335/2-3, Kanjirappally Village, Kanjirappally Taluk, Kottayam, Kerala.

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and **decided to entrust Dr. Mahesh Mohan and Dr. K.N Krishnakumar for field inspection and report.**

19. SIA/KL/MIN/186100/2020, 1848/EC4/2020/SEIAA

Environmental Clearance for Granite Building Stone quarry of Sri. Rajesh. T. in Re Survey. No.5 in Eruvessi Village, Taliparamba Taluk, Kannur District, Kerala for total mine lease area of 1.0963 Ha.

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and **decided to entrust Sri. V Gopinathan & Dr. A N Manoharan for field inspection and report.**

20. SIA/KL/MIN/195303/2021, 1885/EC4/2021/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. M.P Balan.at Re.Sy. No. 29/3 of Meppayyur Village, Koyilandy Taluk, Kozhikode District of Kerala for an extent of 0.9928 Ha.

Decision: The Committee examined the proposal, verified the documents submitted by the proponent and **decided to entrust Dr. C.C. Harilal & Dr. R Ajayakumar Varma for field inspection and report.**

21. SIA/KL/MIN/236496/2021, 1978/EC6/2022/SEIAA

Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri.Alavi. P. P at Re-survey no. 232/2 in Melmuri Village, Tirur Taluk, Malappuram District, Kerala for an extent of 0.0971 Ha.

Decision: The Committee examined the proposal and documents submitted by the proponent. As per satellite image, there is a building adjacent to boundary pillar BP4 and another building at around 11m off the boundary pillar BP3. The Kadampuzha – Pang road is at a distance of around 25m. **The Committee decided to invite the proponent for presentation.**

22. SIA/KL/MIN/41970/2019 , 1715/EC1/2020/SEIAA

Environment clearance for the Proposed Granite Building Stone Quarry of Mr. SAKKEER A over an extent of 1.2120 Hectares in Re-Survey No. 222part (Govt. Land.) at Pazhayakunnummel Village, Block No.-33, Chirayinkeezhu Taluk, Thiruvananthapuram District of Kerala State.

Decision: The Committee examined the proposal and documents submitted by the proponent and discussed the field inspection report. The mineable reserve is 5,06,267 MT with a proposed life of mine of 10 years. The depth to water table is 82m above MSL and the lowest elevation of the project site is 95m above MSL. The nearest house is located at 60.7m. The NOC issued vide No. B 7 /1696/18 dated 12.10.2018 - is for 10 years from the date of LoI with a condition that if mining is not started within 2 years, the NoC will be automatically become invalid. The LoI vide No 5000/M3/2019 dated 19.08.2020 is with validity for 1 year. There are about 23 houses within a distance of 200m from the project boundary and the proposed site exhibit numerous. The boulders, terrain slope and houses located within around 200m are environmental and safety concerns. Though the proponent was asked to submit a slope stabilization and rock fall management report, the PP has submitted a general report that was prepared for certain survey numbers in Alakode Village, Thodupuzha. Therefore, **the Committee decided to direct the PP to submit an action plan for slope stabilization and prevention of rock fall with detailed work plan with sequence of actions, specification of works, material cost and time-line without further delay.**

23. SIA/KL/MIN/52716/2020 , 1654/EC6/2020/SEIAA

Environment Clearance for the proposed Granite Building Stone Quarry of Mr Sajeer Moyin at Survey Number 323/1-3, 323/1-4, 323/1-11 & 323/1-12 at Thiruvalli Village, Nilambur Taluk, Malappuram District, Kerala for an area of 4.7425 Ha.

Decision: The Committee examined the proposal and found that the proponent submitted revised EIA report in compliance to ToR. **The Committee entrusted Dr. N. Ajithkumar for evaluation of the EIA/EMP report.**

PART 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/128666/2019, 1958/EC1/2022/SEIAA

Granite Building stone quarry of Shri. Martin Varghese, with an area of 0.996 Ha in Re- Survey No: 96/5, 96/6 Block No.2 in Vilapilsala Village, Kattakada Taluk, Thiruvananthapuram District, Kerala.

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and **decided to invite the proponent for a presentation.**

2. SIA/KL/MIN/130079/2019, 1696/EC4/2019/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Sri.Satheesan, at Re - Survey No. 159/2A2B of Poolakode Village, Kozhikode Taluk, Kozhikode District, Kerala for an area of 0.6338 hectares.

Decision: As per the direction of 114th meeting of the SEIAA, Committee invited the proponent for a presentation. As invited, the authorized person by the proponent Mr. Abdurahiman P with authorization letter, and the RQP, Mr. Mahesh S were present. The RQP made the presentation. The Committee heard the presentation and observed that the proposal has the following shortcomings.

- The cluster certificate is of 2018 and a recent cluster certificate should be submitted
- The drainage map is inappropriate and it should be revised
- The depth to water table data need verification and depth to water table in a well near to the site should be submitted along with the geotagged photographs of the well
- Map showing distance to the hazard zones is absent and hence should be submitted
- There is also inadequacy with respect to the CER proposal, EMP and Compensatory Afforestation Plan. This should be corrected.

The Committee decided to entrust Dr. C. C Harilal and Dr.R.Ajayakumar Varma for field inspection and report.

3. SIA/KL/MIN/131090/2019, 1571/EC2/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Sudheesh A T at Re Survey No: 151/1, 151/7 of Kaniyambatta Village, Vythiri Taluk, Wayanad District, Kerala for an area of 1.5875 Ha.

Decision: As invited the proponent Mr. Sudheesh A T, and the RQP, Mr. S. Mahesh were present. The RQP made the presentation. The Committee heard the presentation and discussed the field inspection report. The mineable reserve is 4,09,166 MT and

proposed life of mine is 5 years. The nearest house is at 116m. The depth of final mine void is stated as 35m from the general elevation of 745m above MSL and the depth to water table is reported as 725m above MSL. Based on discussions, **the Committee decided to direct the PP to submit the following additional documents at the earliest.**

1. The approach road is narrow and hence an affidavit stating that it should be widened to a width of at least 7 m.
2. Compensatory afforestation should be done by planting indigenous species of trees in the available land owned by the proponent. This is also to compensate for the green belt on the buffer zone that fall in the existing abandoned quarry pit for a length of about 100m. An affidavit stating that the compensatory afforestation activities will commence prior to the mining process should be submitted along with geotagged photographs of the site.
3. A survey map certified by the village officer showing all structures within 200 m radius of the project site should be submitted.
4. The boundary pillars should be changed to concrete pillars marked with geo coordinates and submit photographs of the same as proof.
5. A map showing the new overburden dump site in the open land at the lower elevation, for ensuring safe storage and easy removal and usage of soil at the time of closure of the mine. The OB dump should be protected with gabion walls.
6. An affidavit stating that an additional settling pond will be constructed at the lower part of the land owned by the applicant for ensuring discharge of clear water.
7. Certificate/Letter stating the distance to the nearest wildlife sanctuary from the project site from the concerned DFO/WLW.
8. Revised CER with monitorable physical targets as per the OM of the MoEF & CC.

**4. SIA/KL/MIN/131218/2019 , 1965/EC1/2022/SEIAA
Granite Building Stone Quarry of Mr. Balakrishnan at Survey No. 208/1,
Alanallur III Village, Mannarkad Taluk, Palakkad District, Kerala.**

Decision: The Committee examined the proposal and verified the documents submitted by the proponent and found the following shortcomings in the proposal:

1. The project cost should be revised as per norms.
2. The CER should be revised with specific and monitorable CER activities in physical terms to be undertaken by the proponent in consultation with the stakeholders as stipulated in the OM No.22- 65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF&CC, GOI
3. The non –assignment certificate from the Village Officer is not found uploaded.
4. Proof of application submitted for wildlife clearance from NBWL.

The Committee decided to invite the proponent for presentation.

5. SIA/KL/MIN/132322/2019, 1635/EC1/2020/SEIAA

Granite Building Stone Quarry of Shri. Nino K Thomas over an extent of 2.7213 Ha. (6.7243 Acres) at Re-Survey Block No. 31, Re-survey. Nos. 457/1, 457/2, 457/3, 457/4, 457/4-1, 457/5, 457/6 & 457/7, Vadasserikkara Village, Ranni Taluk, Pathanamthitta District, Kerala (Hearing).

Decision: As invited the authorized person by the proponent Mr. Raju K Thomas with authorization letter, and the Complainants, Mrs. Manju Ann Thomas, Manoj Thomas, Linto M George and Adv. Muhammed Ansari on behalf of the complainants were present. The Committee heard both parties. The Committee also heard additional representation from Manju, Manoj & Linto M George. The Committee clarified the doubts & requested the advocate to submit hearing notes within a week. Subsequently the Committee also directed Mr. Raju K Thomas to submit a hearing note within a week. The Committee decided to prepare a report by considering the hearing notes and documents available in the file.

6. SIA/KL/MIN/133062/2019 , 1576/EC2/2019/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of M/s Valad Granites at Survey No. 253/62, 253/356, 253/349 of Valad Village, Manathavadi Taluk, Wayanad District, and Kerala for an area of 2.9249 hectares

Decision: As invited, the proponent Sri. Sibi Peter, and the RQP, Sri. S. Mahesh were present. The RQP made the presentation. The mineable reserve is 13,16,166 MT and the proposed life of mine is 12 years. The pre-mining elevation of the proposed site varies from 815m to 750m above MSL and the depth to water table reported is 750m above MSL. The nearest house is 116m from the project site. The Committee heard the presentation and discussed the field inspection report. Based on discussions, **the Committee decided to seek the following additional documents/information from the Proponent.**

1. Recently certified survey map from the Village Officer showing built structures including houses within 200 m.
2. Affidavit stating that the approach road will be widened to a width of at least 7 m.
3. Affidavit stating that the compensatory afforestation with indigenous species of trees will be developed in the land owned by the proponent along with geo-tagged photographs of the site proposed for compensatory afforestation.
4. Geo-tagged photographs showing the boundary pillars in concrete marked with geo coordinates.
5. Map showing the overburden dump site in the open land in the lower elevation of the project area for ensuring safe storage and easy removal and usage of soil at the time of closure of the mine. Also provided geo-tagged photographs of the proposed site for overburden storage and ensure that the OB will be protected with gabion walls during the project operation.

6. Ensure an additional settling pond in the drainage system at the lower part of the land owned by the applicant for ensuring discharge of clear water.
7. Plan for removal of boulders to avoid rock fall in the area
8. Report of the landslide proneness of the proposed area prepared by a reputed agency/ institution.

7. SIA/KL/MIN/136819/2020 , 1728/EC3/2020/SEIAA

Granite Building stone quarry of “Shri. Sibi P Alias with an area of 0.7837 Ha in Survey No: 194/9,194/9,194/11,194/11-1 in Varappetty Village, Kothamangalam Taluk, Ernakulam, Kerala.

Decision: The Committee examined the proposal in detail and **decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for field inspection and report.**

8. SIA/KL/MIN/163150/2020 , 1749/EC1/2020/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry of 0.7487 Ha in Re-Survey No:129/1, Block No:30 in Ongallur 1 Village, Pattambi Taluk, Palakkad District, Kerala by Sri.Musthafa A (Presentation).

Decision: As invited the proponent Mr. Musthafa A, and the RQP, Mr. V K Roy were present. The RQP made the presentation. The mineable reserve is 1,75,085 MT and the life of mine is 5 years. The depth to water table is 15m bgl. The nearest house is at a distance of 212m and the depth of final mine void is 5m bgl. The Committee heard the presentation and observed the following:

- a. The haulage road is found very narrow and the proponent suggested the use of an alternate road. Therefore, the proponent is directed to submit a plan for haulage road considering the proposed traffic, size of the transportation vehicle that could be used, possibility for providing fish-belly, possibility for one-way traffic, consent of affected households, if any, adjacent to the road etc.
- b. The forest boundary is found very close and therefore, proponent is directed to submit a letter from the concerned DFO or Village Officer regarding the distance between the project and forest boundaries. y and project and a plan for Depth of Watertable map is to be provided.
- c. Recently certified Non-Cluster Certificate from the Mining & Geology Department.

9. SIA/KL/MIN/165260/2020 , 1977/EC6/2022/SEIAA

Environmental Clearance for the Granite Building Stone Quarry of Abdul Nazer. P in Survey No.137/10-13, 137/10-15, 137/10-14, 137/10-11 in Valambur Village, Perinthalmanna Taluk, Malappuram.

Decision: The Committee examined the proposal and documents and observed that the CER and project cost need to be revised and a detailed and revised EMP with budget provision need to be prepared. In the meanwhile, field inspection can be carried out and accordingly, the Committee decided to entrust Dr.A N Manoharan & Dr. C C Harilal for the same.

10. SIA/KL/MIN/220733/2021 , 1930/EC4/SEIAA/2021

Environment Clearance for the Granite Building Stone Quarry of M/s. Chathamala Crushers Private Limited' over an extent of 1.7424 Ha, at Block No: 83 Re-Sy. No. 5/210, 5/927, Eruvessi Village, Thaliparamba Taluk, Kannur District, Kerala (Field Inspection Report Received)

Decision: The Committee examine the proposal and discussed the field inspection report and found that the proposed site is located at the southern steep flank of an east-west trending hill. The area appears to be highly vulnerable with respect to environmental stability. The proposed mineable reserve is 4,00,126 MT and life of mine is 6 years. The elevation difference of the project site is about 530m to 460m above MSL at BP2 and BP5 respectively. The elevation of the lowest portion of the hill near Holy Cross Public School adjacent to Kudiyanmala-Valiya Areekamala road is 160m above MSL. The site is close to a moderate hazard zone by 84m and high hazard zone is very near about 11m. Both southern and northern portions of the site is characterized by high hazard zones. The GLPS Thirumbi school is located around 120m below the project site from BP5, the elevation there is about 400m above MSL. There are boulders of moderate size spread over the steep slope area in and around the project site. A road to the project area is under construction. The proposed OB dumping location is also not in a safe area. In the circumstance, **the Committee decided to hear the PP and decided to invite them for presentation.**

11. SIA/KL/MIN/221432/2021 , 1451/EC1/2019/SEIAA

Granite Building Stone Quarry of M/s Aloor Blue Metal Crusher Unit (Conversion ToR to EC), in Re Survey No.152,153/2,153/1,154/2A,197/1(P) Pattithara Village, Pattambi Taluk, Palakkad District (Presentation).

Decision: As invited the Proponent, Mr. Aboobacker O and the Consultant, Mr. Nazar Ahmmed were present. The consultant made the presentation. The Committee heard the presentation and decided to entrust Dr.K.N.Krishnakumar and Dr. Vasudevan Pillai for field inspection and report

12. SIA/KL/MIN/266125/2022 , 1971/EC1/2022/SEIAA

Environmental Clearance for Ordinary clay mining project of Mr. Prashobh. K. S, over an extent of 0.2564 Ha, Re Survey No- 94/24, 25, 95/9/1in Tarur-1 Village of Alathur Taluk, Palakkad District, Kerala (Presentation).

Decision: As invited the Proponent, Mr. Prashobh. K. S and the Consultant, Mr. Nazar Ahmmed were present. The consultant made the presentation. The Committee heard the presentation and decided to recommend EC for a project period of 3 years from the date of permit from the Mining and Geology Department subject to the following Specific Conditions in addition to the General Conditions as per the O M dated 24.6.2013:

1. The activity associated with borrowing/excavation should not involve blasting.

2. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
3. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
4. The borrowing/excavation activity should not alter the natural drainage pattern of the area.
5. The borrowed/excavated pit should be restored by the project proponent for useful purposes.
6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.
12. Numbered Boundary Pillars marked with geo-coordinates should be fixed to define the exact boundary and geotagged photographs of all the boundary pillars should be submitted prior to commencement of mining.
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 as per norms
17. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

13. SIA/KL/MIN/44488/2019 , 1474/EC1/2019/SEIAA

Granite Building Stone Quarry of Sri. Nino K Thomas 2.0832 Ha. (5.1475 Acres) at Re-Survey Block No. 31, Re-survey. Nos. 394/2, 461/1 & 461/4, Vadasserikkara Village, Ranni Taluk, Pathanamthitta District, Kerala (Hearing).

Decision: As invited the authorized person by the proponent Mr. Raju K Thomas with authorization letter, and the Complainants, Mrs. Manju Ann Thomas, Manoj Thomas, Linto M George and Adv. Muhammed Ansari on behalf of the complainants were present. The Committee heard both parties. The Committee also heard additional representation from Manju, Manoj & Linto M George. The Committee clarified the doubts & requested the advocate to submit hearing notes within a week. Subsequently the Committee also directed

Mr. Raju K Thomas to submit a hearing note within a week. The Committee **decided to prepare a report by considering the hearing notes and documents available in the file.**

14. SIA/KL/MIN/44736/2019 , 1486/EC3/2019/SEIAA

Granite Building Stone Quarry of M/s. Ronco Granite Private Limited over an extent of 3.8316 Ha. (9.4678 Acres) at Sy. Nos.526/4B3, 527/2A2, 527/2A3, 527/5-1-2, 527/5-2-3, 527/5- 3-2, 527/5-4-2, 527/5-5-2, 527/5-6-2, 529/1B-2 of Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala State - Refer back from 116th SEIAA.

Decision: The Committee noted the decision of 116th SEIAA and **decided to entrust Dr. K N Krishnakumar & Dr. Mahesh Mohan for field inspection and report.**

15. SIA/KL/MIN/46586/2019, 1573/EC3/2019/SEIAA

Application for Environmental Clearance for the Granite Building Stone quarry project of Mr. Sainudheen C. K, M/s Yesco Granites LLP having an area of 0.9460 Ha in Survey No.202/2, in Elankur Village, Ernad Taluk, Malappuram.

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Dr. A.N Manoharan for evaluation of EIA&EMP report**

16. SIA/KL/MIN/47565/2019 , 1515/EC3/2019/SEIAA

Application for Environmental Clearance for the Granite Building Stone quarry project of Sri.Kaderbabu E.K having an area of 3.4739 Ha in 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.

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Dr. Mahesh Mohan for evaluation of EIA&EMP report**

17. SIA/KL/MIN/53095/2020 , 1668/EC6/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone quarry project of Sri. M.D George, M/s Ernad Associates having an area of 3.5950 Ha in Survey No. Re Sy Block No:27, Re Sy No:37/8, 39/11-3, 39/11-2, 39/11, 43/1-2, 43/2, 42/4-5, 43/1 in Urangattiri Village, Ernad Taluk, Malappuram.

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Mr. Sheik Hyder Hussain for evaluation of EIA&EMP report**

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

Building Stone Mine” Quarry Project of M/s Metarock Private Limited is located at Block No. 41, Sy. Nos. 340/8, 340/19, 340/22, 341/2-1, 341/2-2, 341/2-3, 341/3, 341/8, 341/8-1, 356/2, 356/4, 356/5, 356/5-1, 356/5-2pt, 356/5-3, 356/5- 5, 356/6pt, 356/10, 356/10-1pt, 356/10-1-1pt, 357/7-1pt, 357/26pt, 341/1pt, 356/3pt, Aruvikkara Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala for an area of 3.7980 ha

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Er. M. Dileepkumar for evaluation of EIA&EMP report**

19. SIA/KL/MIN/78419/2019 , 1516/EC3/2019/SEIAA

Application for Environmental Clearance for the Granite Building Stone quarry project of Sri.MUHAMMEDALIP in Survey No.Block No.56, Sy.No.382/1-2, 382/2, 383/1, 383/1-1 in Morayur Village, ErnadTaluk, Malappuram

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Dr. K.N. Krishnakumar for evaluation of EIA&EMP report**

20. SIA/KL/MIN/78627/2019 , 1543/EC3/2019/SEIAA

Environmental Clearance of Granite Building Stone Quarry project of Sri.Sri.AbduRahiman A.C in Re-Survey No: 269/1, 269/2, Re Survey Block No.36 in Nediyruppu Village, Kondotty Municipality, KondottyTaluk, Malappuram.

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Dr. A.V. Raghu for evaluation of EIA&EMP report**

21. SIA/KL/MIN/81144/2019 , 1421/EC1/2019/SEIAA

Granite Building Stone Quarry of Ms. Malabar Blue Metals in Re Survey Nos. 570/5, 570/7, 570/11, 571/3, 571/4, 542/8 of Ambalappara-1 Village, Ottappalam Taluk, Palakkad District

Decision: The Committee examined the proposal and found that the PP has submitted the EIA & EMP report necessitated due to cluster condition. The Committee **decided to entrust Smt. Beena Govindan for evaluation of EIA&EMP report**

22. SIA/KL/MIS/194843/2021 , 1904/EC3/2021/SEIAA

Environmental Clearance for the proposed Expansion of Residential project developed by M/s The Federal House Construction Co-Operative Society Ltd. No.E-962 at Sy. No. 92/8-5, 92/8-3, 92/8-2, 92/8-1, 92/8-1, 92/8-3, 92/8-6, 92/8-3,

**Village & Panchayat Karumalloor, Paravoor Taluk, Ernakulam District, Kerala-
(Presentation)**

Decision: The proponent informed that he was unable to attend the meeting due to unavoidable circumstances. So, the Committee **decided to defer the proposal.**

23. SIA/KL/MIS/210283/2021 , 1910/EC1/2021/SEIAA

Environment Clearance for proposed Residential Apartment project to be developed by M/s Favourite Constructions Pvt. Ltd. at Uliyazhathura Village, Thiruvananthapuram (Presentation).

Decision: The proponent informed that this project is accorded Environmental Clearance by the Ministry of Environment, Forest & Climate Change, Govt. of India vide E.C. Order no. 21-100/2021-IA.III dt. 22-12-2021. The Committee decided to direct the proponent to withdraw the proposal.

24. SIA/KL/MIS/52532/2019 , 1555/EC1/2019/SEIAA

Environmental Clearance for the Expansion of Technopark Phase III in Sy.No 279, 280, 281, 282, 290, 291, 292, 293,294, 295, 296, 297, 338, 339, 343 part,346part,348,349,350part,351,352,353,355,358,359,365,366,368,369,370 in Attipra Village, Thiruvananthapuram Taluk, Thiruvananthapuram District (Field Inspection Report & complaint received).

Decision: The Committee examined the proposal and discussed the field inspection report. The Committee noted the complaint filed by K J Chacko, President of High Range Environment Protection Council dated 16.06.2022 which stated that consideration of the application amounts to 'sub judice'. The committee observed that the area in which the master plan is proposed seems to be part of paddy wetland, but the characteristics of the terrain is transformed significantly due to reclamation and construction activities in and around the proposed area. The terrain is hydrologically fragile due to the deterioration of the Thettiyyar watershed. Therefore, the CER of the proposed master plan in its entirety should be used for the rejuvenation of Thettiyyar watershed based on a master plan prepared in consultation with the Local Government. **The Committee also decided to direct the proponent to submit the following additional documents:**

1. Clearance from the Revenue Department, for conversion of paddy land and permission allowing the proposal of development of IT Park in the proposed land, as the land is coming under the category of Nilam.
2. Revised plan for ensuring the upkeep of proposed Rain Water Harvesting Pond in 2 acre land allotted to M/s Dragon Stone Reality PVT Ltd by removing the dumped soil and also enabling it to store rainwater from the upstream portion of the micro-watershed catchment. The water harvesting facility proposed in the northern part is better to be maintained for holding the upstream water as it reduces the impact of water stagnation downstream towards south. This aspect needs to be considered while designing the proposed RWH Facility in the proposed master plan area.

3. Plan for eco-restoration and maintenance of the 3 streams flowing through the area by providing appropriate side protection measures with suitable local species of flora, for ensuring proper drainage and unhindered flow through the streams.
4. Revised plan for mitigating the problems in the by pass work done in one of the streams passing through the project area. It needs to be corrected for its bottom longitudinal slope in the diverted portion of the drain for easing the flow.
5. Assess and appraise the Carrying Capacity of the main stream draining the watershed in which the master plan is proposed by considering the fact that significant modifications have already been done with respect to drainage diversion and further modification in the area which will have impact of higher magnitude. The study should consider the shrinkage of the main stream draining the watershed and also the worst-case scenario of highest rainfall intensity. The study should also address whether the stream has the capability to drain the entire watershed and whether it enhances or lead to flood incidences in the project area.
6. Revised storm water management plan, considering the proposed RW harvesting facility, diversion of drain, encroachment of the portion of the stream, if there any, and detention pond., potential for recharging of rain water for replenishing of local ground water using site specific methods.
7. Provide a proper plan with estimate of the waste generation under each category and impact of it with respect to collection, transportation, reuse & recycle and disposal, as the management measures given for the four types of waste are very sketchy. Expected quantity of each type of waste, its management measures, and the site where it is proposed to be stored, segregated, processed, treated and disposed should also be detailed.
8. Provided details of the feasibility of integration of waste management facilities and traffic management with the existing systems in Phase I & II based on detailed study and evaluation.
9. A detailed compensatory afforestation plan should be submitted incorporating the trees removed or proposed to be removed from the location, the species planned for afforestation, plan for greenbelt development and avenue plantation. Also provide geo-coordinates of the land along with geotagged photographs of the area proposed for compensatory afforestation including Miyawaki forest.
10. Submit integrated EMP by considering the EMP proposed for the master plan as well as that approved for projects which are sanctioned EC.
11. Re-examine the list of essential Rules to be complied as part of the environmental management including KMBR and revise the EMP accordingly.
12. Submit a comprehensive impact assessment with respect to nearby communities, which is not done with respect to various environmental aspects that affect the local communities.
13. Re-examine whether the buildings which have come up in the proposed project area and proposed to be constructed have approvals from the Local Authority as there are many buildings which have come up in and around the proposed project area. It may be examined as to how they are proposed to be managed.
14. Provide details of treatment proposed for the harvested Roof Top Rain Water.

15. Provide a plan for harnessing solar energy for meeting at least 10% power requirement and may consider action for providing post type solar yard lighting system at the public places within the compound.
16. Incorporate possible carbon footprint contribution from each activities and measures proposed for reduction as part of Environment Management Plan.

The Committee also decided to seek legal opinion from the Legal Officer, SEIAA whether there is any legal hindrance in proceeding with the appraisal process as notified in the compliant submitted by Sri. K.J. Chacko and whether there is any case pending against the consideration of the application for environmental clearance to the proposed project.

25. SIA/KL/MIS/62018/2020 , 1588/EC1/2020/SEIAA

Development of Technocity Technology Park at Trivandrum (*Field Inspection Report Received*)

Decision: The Committee examined the proposal and discussed the field inspection report. The Master Plan for Technocity involves development of built-up area of 62,31,343 m² in 158 Ha of land with FSI as 4. About 50% of the land is already allotted to 8 companies that include TCS, Nissan-digital, Space Park, IITMK etc. About 19% of the land fall under Paddy land which requires clearance under Kerala Conservation of Paddy and Wetland Act, 2008. The Committee observed that the EIA report is incomplete as many of the aspects proposed to be studied as per the ToR is not done satisfactorily. The Committee also observed that it is desirable to consider the application for EC for the Development of Technocity Technology Park project after obtaining clearance as per the Kerala Conservation of Paddy Land and Wetland Act 2008. Based on discussions, the Committee decided to direct the PP to submit the following additional details/documents.

1. Permission from the Revenue Department for the conversion of paddy land as per the Kerala Conservation of Paddy Land and Wetland Act 2008.
2. The list of the ToR approved and compliance details against each of the terms of reference
3. Scientific plan for eco-restoration and maintenance of the two streams flowing through the area with cost estimates and time line for providing side protection and vegetative measures
4. Revised storm water management plan using site-specific methods, considering the proposed RW harvesting facility, diversion of drain, encroachment of the portion of the stream, anticipated capacity of proposed detention pond, potential for recharging of rain water for replenishing of local ground water etc.
5. Integrated waste management plan after estimating the anticipated waste generation under different categories of waste such as construction waste, domestic solid waste, liquid waste and e-waste and their collection, storage, transportation, reuse & recycle and disposal measures required, proposed location suggested for installation of waste

- management facilities etc as the details given in the report is very sketchy.
6. Detailed water management plan with a water balance estimate ensuring maximum recycle/reuse.
 7. Traffic management plan within and outside the proposed campus considering the proposed activities during the construction and operation phases of the project and the present and future projections of traffic in the proposed campus, adjacent roads and the National Highway, nearby.
 8. Plan for green belt development and avenue plantation using indigenous species of trees.
 9. Plan for Compensatory Afforestation including Miyawaki Forest considering the KMBR norms along with geo-tagged photographs of the proposed area, number of trees proposed too be planted, the indigenous species that will be preferred.
 10. Revised EMP integrating the EMPs of the approved projects and suggestive EMPs for projects envisaged for the future.
 11. Revised Environment Management Framework considering various environmental rules and guidelines to be complied including the KMBR.
 12. Comprehensive impact of the proposed project on the nearby communities considering various environmental aspects that affect the local communities.
 13. Details of treatment proposed for the Roof-top Rain Water harvested, ensuring recycle reuse within the compound.
 14. Plan for harnessing solar energy to meet at least 10 % power requirement.
 15. Comprehensive Social Impact Assessment Study should be done, particularly considering the nearby communities.
 16. Submit the Project cost, cost for implementation of EMP and Environmental Monitoring Plan as stipulated under item No (XIX and XXII) of standard ToR as it is not provided.
 17. Proposal consisting of monitorable physical targets to be implemented under Corporate Environment Responsibility (CER) as envisaged in the relevant OM of MoEF & CC.
 18. Plan for installing Electric Charging Points in the Vehicle parking Areas.
 19. Plan for utilization of excavated clay / soil from the proposed area for most appropriate uses.
 20. The details of the District Court Order on OS 83/2014 which is not found uploaded.

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

1. **SIA/KL/MIN/162964/2020 , 125/SEIAA/KL/2335/2013
Renewal of Environment Clearance for the Building Stone Mine (Minor Mineral Mining) project of M/s Valluvanad Granites is situated at Survey Nos. 2/2 & 5/2 in Village - Lakkidi-Perrur 1st, Panchayat – Lakkidi-Perrur, Taluk - Ottapalam, District - Palakad, Kerala (Presentation)**

Decision: As invited the Proponent, Mr. Binil K John and the Consultant, Mr. Jomon. M.C on behalf of M/s Environmental Engineers & Consultants Pvt. Ltd. were present. The consultant made the presentation. The Committee heard the presentation and noted that the project having an area of 4.8120 Ha was given EC in 2013 for five years with validity up to 31.10.2018. The validity of EC was extended for two more years vide order dated 16.2.2019. An application for renewal of EC for 3 years was accepted by the SEAC on 3.10.2020 along with a revised Mine Plan approved on 18.1.2019. A field inspection was conducted by the SEAC through two of its members on 28.11.2020. As per the mine plan, the mineable reserve is 7,15,585 MT with a life of mine of 5 years with a production rate of 1,59,065 TPA. However, the request of the PP is to accord EC for 3 years with a production rate of 2,88,000 TPA. The nearest house is 102m as per the application and depth of mine void is 5m below the lowest elevation of the project area, i.e. 75m above MSL. The PP was directed to upload certain details on 19.1.2021 which was done by the PP on 17.6.2022. During the presentation, the clarification provided for the delayed submission of details was ambiguous. The Committee also observed that there are non-compliance with respect to non-maintenance of benches as evident from the slides. Based on discussions, **the Committee decided to direct the Proponent to submit the following additional details/documents.**

1. Certified Compliance Report from the Integrated Regional Office, MoEF &CC, Banglaore.
2. Certificate from the Mining & Geology Department regarding the quantity of material extracted and balance resource available for extraction after the approval of the Mine Plan on 18.1.2019.
3. Commitment and details of AMC for solar electrical installations proposed to be provided under CER.
4. Recently certified legible survey map as it is difficult to assess the distance to built-up structures from the survey map available in records.

PART 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/130760/2019 , 1723/EC3/2020/SEIAA

Granite Building stone quarry of “K.V Vincent, Managing Partner, M/s. Bharat Rock Product At Re-Sy.No: 47/1-2,47/2-1,47/2-2, Block No.18 in Ayyampuzha Village, Aluva Taluk, Ernakulam District ,Kerala State.

Decision: The Committee examined the proposal and entrusted Dr. N. Ajithkumar and Dr. R. Ajayakumar Varma for field inspection and report.

2. SIA/KL/MIN/135339/2020 , 2027/EC3/2022/SEIAA

Ordinary Earth of Mr. Binu K. Alias, Kizhakkethenattumoolayil House, Vadayambady P.O , At Re-Sy.No:132/5,132/6,132/14,132/22, Block No.49 in Aikarand South Village, Kunnathunad Taluk, Ernakulam District, Kerala State.

Decision: The Committee examined the proposal in detail and appraised the proposal as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha. Based on discussions, the Committee decided to recommend EC for a period of one year with the following specific conditions in addition to General Conditions:

3. The activity associated with borrowing/excavation of brick earth and ordinary earth should not involve blasting
4. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
5. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
6. The borrowing/excavation activity should not alter the natural drainage pattern of the area
7. The borrowed/excavated pit should be restored by the project proponent for useful Purposes
8. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap
9. Measures should be taken to prevent dust emission by covering of borrowed/excavated earth during transportation
10. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth
11. Workers/labourers should be provided with facilities for drinking water and sanitation
12. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation
13. A minimum distance of 15m from any civil structure should be kept from the periphery of the excavation area.
14. 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.
15. 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.
16. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
17. Measures incorporated in the CER should be implemented as per norms
18. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

3. SIA/KL/MIN/138725/2020 , 1653/EC4/2020/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Ashraf P, at Re. Survey No: 172 of Kodyathur Village, Kozhikode Taluk,

Kozhikode District, and Kerala for an area of 2.32035 Ha. (Fresh application).

Decision: The Committee examined the proposal and documents and observed that the proposal lack the following additional details/documents.

1. Non-assignment Certificate from the V O
2. Revised CER with monitorable physical targets incorporated in the EMP
3. Plan for compensatory afforestation along with geo-tagged photographs of the local proposed for the same and details of indigenous species proposed

As per the Cluster Certificate, the area under the cluster is more than 5 Ha and hence **the Committee decided to direct the Proponent to submit ToR application.**

4. **SIA/KL/MIN/168428/2020 , 1988/EC2/2022/SEIAA
Environmental Clearance for Granite Building Stone Quarry of Mr. Safarulla K. having an area of 1.0289 Ha in Re-Sy. No- 318/1D of Vorkady Village, Manjeshwaram Taluk, Kasaragod District of Kerala.**

Decision: The Committee examined the proposal and documents and observed that the EMP cost is too meager and need revision. **The Committee decided to entrust Dr. A N Manoharan & Sri. V Gopinathan for field inspection and report.**

5. **SIA/KL/MIN/183324/2020 , 2084/EC2/SEIAA/2022
Environmental Clearance for Granite Building Stone at Re Survey No: 432/584 of Nenmeni Village, Sulthan Bathery Taluk, Wayanad District, and Kerala (Fresh).**

Decision: The Committee examined the proposal and observed that the application lack the details of ecological sensitivity and the CER proposal and EMP details are inadequate. **The Committee decided to entrust Dr. A N Manoharan and Dr.C C Harilal for field inspection and report.**

6. **SIA/KL/MIN/183677/2020 , 1849/EC4/2020/SEIAA
Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. K.C Krishnan. At Re.Sy. No. 173/1 & 173/3 of Maruthonkara Village, Vatakara Taluk, Kozhiode District of Keralafor an extent of 0.6199 Ha. (Fresh Application)**

Decision: The Committee examined the proposal in detail and observed that the proposal lack the following details/documents.

1. Recent Survey map certified by the Village Officer.
2. Revised CER with monitorable physical targets incorporated in the EMP as per OM No.22- 65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated

20/10/2020 of the MoEF&CC.

3. Proof of application submitted to NBWL for wildlife clearance
4. Revised EMP with adequate cost earmarked

The Committee decided to invite the proponent for a presentation.

7. SIA/KL/MIN/195590/2021 , 2041/EC1/2022/SEIAA

Environmental Clearance for Granite (Building Stone) Quarry of Sri.Rajendran Nair having an area of 1.1862 Ha in Re-Survey Nos. 233/10, 233/11, 233/12, 233/13, 233/14, 233/15, 233/16, 233/22, 233/23, 234/4, 234/6, 234/7, 234/8 & 234/36 in Pullampara Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala.

Decision: The Committee examined the proposal in detail observed that the drainage map and hazard zonation map are not found uploaded. The Committee **decided to entrust Dr. R Ajayakumar Varma & Er. Dileepkumar for field inspection & report.**

8. SIA/KL/MIN/229494/2021 , 2029/EC6/2022/SEIAA

Environmental Clearance for the Granite building stone quarry of Shri. Jimmy Jose, is situated in Sy.No. 318/2/2,318/2/3 of Venganellur Village, Thalappilly– Taluk of Thrissur District, Kerala. (Complaint Received)

Decision: The Committee examined the proposal and observed that there is a complaint against the quarry which need to be studied. There is contradiction in the proposed quantity of extraction in Mining Plan and in the Application. **The Committee decided to invite the proponent for presentation.**

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

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

Decision: The Committee examined the proposal and found that the CER and EMP along with its cost earmarked need revision. The **Committee decided entrust Dr. K.N Krishnakumar and Dr. K. Vasudevan Pillai for field inspection and report.**

10. SIA/KL/MIN/239769/2021 , 2062/EC3/2022/SEIAA

Granite Building stone quarry of “Shri. Sabu Kuriakose having an area of 0.9883 Ha in Re- Survey No: 357/1,357/2,357/3 Block No.14 in Karimkunnam Village, Thodupuzha Taluk, Idukki District, Kerala State.

Decision: The Committee examined the proposal and observed the following:

1. Cluster certificate is incomplete as the site is located in the border of two Districts and

certificate from only one district is submitted.

2. EMP incorporating the specific CER activities in physical terms to be undertaken by the proponent in consultation with the stakeholders as stipulated in the OM No.22-65/2017-IA.III dated 30/09/2020 and OM No. 22-65/2017-IA.III dated 20/10/2020 of the MoEF&CC, GOI is required instead of allocation of funds under CER.
3. The location of the site overlaid on the Hazard Zonation Map of the district is not found uploaded.

The Committee decided to invite the Proponent for presentation

11. SIA/KL/MIN/250609/2022 , 2015/EC4/2022/SEIAA

Environmental Clearance for the Proposed Granite Building Stone Quarry of M/s Super Stone Crusher at Un. Sy. No. 1452 (Pt) and 1453(pt) (Not final) of Koodaranji Village, Thamarassery Taluk, Kozhikode District of Kerala for an extent of 1.1915 Ha.

Decision: The Committee examined the proposal and observed that the cost of EMP is too meager indicating that environmental management activities proposed are inadequate. **The Committee decided to invite the Proponent for presentation.**

12. SIA/KL/MIN/251165/2022 , 2012/EC1/2022/SEIAA

Environmental Clearance for Granite Building Stone quarry of, Mr. KV Radhakrishnan over an extent of 0.5706 Ha. ResyNo-471/l(P) and 471/4(P) in Kuzhalmannam -1 Village, Alathur Taluk, Palakkad District, Kerala.

Decision: The Committee examined the proposal in detail and observed that the Proponent has to revise the CER proposal as per norms and submit a recently certified Survey map from the concerned Village Officer. **The Committee decided to invite the PP for presentation.**

13. SIA/KL/MIN/251835/2022 , 2011/EC1/2022/SEIAA

Granite Building Stone Quarry of Mr. Mohammed Kutty K.P. having an area of 2.0997 Ha in Re Survey Block Nos. 41, Re Survey No.155 in Cherupulassery Village, Ottapalam Taluk, Palakkad District, Kerala.

Decision: The Committee examined the proposal in detail and found that OB dumping site is at higher elevation and the EMP cost is too meager. **The Committee decided to invite the proponent for presentation.**

14. SIA/KL/MIN/251981/2022 , 2048/EC6/2022/SEIAA

Environmental Clearance for the removal of ordinary clay in Survey No. 528/PT1 in Annalloor Village, Chalakkudy Taluk, Thrissur District, Kerala for an extent of 0.2509 Ha.

Decision: The Committee appraised the proposal as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha. Based on discussions, the Committee decided to recommend EC for a period of two years with the following Specific

Conditions in addition to General Conditions:

1. The activity associated with borrowing/excavation of brick earth and ordinary earth should not involve blasting
2. The borrowing/excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
3. The borrowing/excavation activity should be restricted to 2m above the ground water table at the site
4. The borrowing/excavation activity should not alter the natural drainage pattern of the area
5. The borrowed/excavated pit should be restored by the project proponent for useful Purposes
6. Appropriate fencing all around the borrowed/excavated pit should be made to prevent any mishap
7. Measures should be taken to prevent dust emission by covering of borrowed/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 borrowing/excavation of earth
9. Workers/labourers should be provided with facilities for drinking water and sanitation
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of excavation 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. The CER should be implemented as per norms.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

15. SIA/KL/MIN/255487/2022 , 2010/EC1/2022/SEIAA

Granite Building Stone Quarry of Sri.K.Udayan over an extent of 0.99.17 Hectares in Sy.No. 163, 163/1 at Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala

Decision: The Committee examined the proposal and observed the following

- a) Project cost estimated is low and need revision
- b) KML file does not have the boundary marked
- c) OB dumping site should be located at the lower portion of the project site and it should be shown in the surface plan map
- d) CER proposal need revision as per norms
- e) EMP need revision incorporating all the mitigation activities required and with

appropriate cost

The Committee decided to entrust Smt. Beena Govindan & Dr. Ajayakumar Varma for field inspection and report.

16. SIA/KL/MIN/259967/2022 , 2025/EC1/2022/SEIAA

Environmental Clearance for Granite building stone quarry of Mr.Muralikumar K A, over an extent of 0.5130 Ha ResyNo-52117,15 in Erimayur -II Village, Alathur Taluk, Palakkad District, Kerala.

Decision: The Committee examined the proposal and **decided to entrust Dr. K N Krishnakumar & Dr. Vasudevan pillai for field inspection and report.**

17. SIA/KL/MIN/262942/2022 , 2031/EC2/2022/SEIAA

Environmental Clearance for the Laterite Buliding Stone project at Block-18, Re.Survey No.490/6,490/7,490/8 of Thamarakulam Village, Mavelikkara Taluk, Alappuzha District, Kerala

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:

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

15. Measures incorporated in the CER should be implemented as per norms
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

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

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

Decision: The Committee examined the proposal and observed that NOC from irrigation Department needs to be obtained and CER & EMP needs to be revised. The **Committee decided to entrust Dr.K N Krishnakumar & Dr. K. Vasudevan Pillai for field inspection and report.**

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

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

Decision: The Committee examined the proposal and observed that the project cost and EMP needs revision and the drainage plan needs to be provided with clarifiers and silt traps. The **Committee decided to entrust Smt. Beena Govindan & Dr. N. Anilkumar for field inspection and report.**

20. SIA/KL/MIN/267357/2022 , 2034/EC3/2022/SEIAA

'Granite Building Stone Quarry of M/s. Perumannoor Granites Pvt Ltd', over an extent of 3.5238 Ha. In Survey Nos: 611/1A/19W/17, 611/1A/19W/19, 611/1A83/13/16, 611/1A/84/14/23 & 611/1A/196/73/2 of Keerampara Village, Kothamangalam Taluk, Ernakulam, Kerala State

Decision: The Committee examined the proposal and observed that the Survey map submitted is not legible and the Proof of application submitted for wildlife clearance from NBWL is not submitted. The **Committee decided to entrust Dr. Mahesh Mohan & Dr. K N Krishnakumar for field inspection and report.**

21. SIA/KL/MIN/272255/2022 , 1412/EC2/2019/SEIAA

Granite Building Stone Quarry of Sudheesh A T at Survey No: 55/2, 55/3, 55/4 of Irulam Village, Sulthan Bathery Taluk, Wayanad District, Kerala for an area of 2.4973 hectares.

Decision: The Committee examined the proposal and observed that the cluster certificate is not found uploaded, EMP needs revision and the survey map submitted is not legible. The **Committee decided to entrust Dr. A N Manoharan and Dr. C C Harilal for field inspection and report.**

22. SIA/KL/MIN/274693/2022 , 2055/EC1/2022/SEIAA

Granite Building Stone Quarry of M/S J&P Constructions over an extent of 1.8741 Ha. Survey Nos. 322, 323/1, 323/2 in Ongallur- I Village, Pattambi Taluk, Palakkad District, Kerala

Decision: The Committee examined the proposal and observed that the cost earmarked for the EMP is too meager and requires revision with respect to activities and cost. The boundary pillars are not seen in the KML file uploaded and a certified survey map is not found uploaded. **The Committee decided to invite the proponent for presentation.**

23. SIA/KL/MIN/275123/2022 , 2037/EC1/2022/SEIAA

Granite (Building Stone) Quarry of Sri.Arun Varghese, Managing Director, Kottakkal Granite Industries Pvt Ltd in Block No. 18, Re-Survey Nos. 177/1pt(Govt. land) 178/2, 178/11 & 178/17 in Anad Village, Nedumangad Taluk, Thiruvananthapuram District.

Decision: The Committee examined the proposal and documents and observed that the drainage plan is inadequate and the EMP need revision with respect to activities and cost. **The Committee decided to invite the proponent for presentation.**

24. SIA/KL/MIN/276170/2022 , 2032/EC1/2022/SEIAA

Granite Building Stone Quarry of Nisamudheen P in Re-Survey Nos: 2/6, 51/1 of Nellaya Village, Ottappalam Taluk, Palakkad District, Kerala (Area: 0.7837 Ha).

Decision: The Committee examined the proposal and **decided to entrust Dr. K. N. Krishnakumar and Dr. A V Raghu for field inspection and report.**

25. SIA/KL/MIN/276701/2022 , 1309/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite (Building Stone) Quarry in Re-Survey Nos: 2/6, 51/1 of Nellaya Village, Ottappalam Taluk, Palakkad District, Kerala for an extent of 0.7837 Ha.(Physical to Online).

Decision: The Committee observed that the proposal was recommended in the 128th SEAC meeting and **hence decided to adhere to decision in item No. 10 taken in its 128th meeting.**

26. SIA/KL/MIS/278234/2022 , 2057/EC1/2022/SEIAA

Development of General Hospital, Thiruvananthapuram for the proposed Construction of Trauma and OP Block , Laundry and Service Block in Vanchiyoor village, Thiruvananthapuram Taluk, Thiruvananthapuram District.

Decision: The Committee examined the proposal and observed that the EMP cost need revision and the CER proposal and plan for the disposal of C&D waste need submission.

The Committee decided to entrust Er. M. Dileepkumar & Dr. A. Bijukumar for field inspection and report.

27. SIA/KL/MIS/290926/2022 , 1184/A2/2018/SEIAA

Environmental Clearance for the Expansion of Caritas Hospital, Thellakom, Kottayam with the addition of a Hospital building, Geriatric Centre (Nursing Home) & Doctor's quarter's block, Block for Nuclear Medicine and an Amenity Centre in Phase I and a Staff Quarters block and Multilevel Mechanical Car Parking System in Phase 2 in Survey Nos. 188/10, 200/1, 200/2, 200/3, 200/4, 201/8, 201/8-1, 201/9, 201/9-1, 201/10, 201/15, 201/15-1, 201/24, 201/26, 201/26-1, 201/26-2, 202/3, 202/4-2 at Peroor village, Kottayam Taluk, Kottayam District, Kerala by Fr. Thomas Animoottil, Director, M/s Caritas Hospital - Physical to Online-

Decision: The 116th SEIAA meeting decided to issue EC based on the decision of the 101st meeting of the SEAC. **The Committee consented to the requirement of conversion of Physical file to Online file.**

PART 4

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/129766/2019 , 1616/EC2/2020/SEIAA

Environmental Clearance for Granite Building Stone Quarry over an extent of 0.7161 Hectares in Sy. Nos. 30/3-2, 30/3-3, 30/3-4, 30/14, 37/5-1, 37/5-2 & 37/5-3 at Veliyam Village, Kottarakkara Taluk, Kollam District of Kerala (FIR Received).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 3 years for extracting 156667 MT of granite building stone. The depth to water table is 15m bgl. 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 Condition

1. Haulage road should be developed with a width of at least 7m prior to the commencement of mining.
2. The haulage road passes very close to two residential houses and their concurrence should be obtained prior to commencement of mining.
3. The depth mining should be limited up to 20m above MSL so as to prevent interference with groundwater table as the depth to water table is 15m bgl.
4. Development of green belt should be initiated prior to the commencement of mining operation.
5. Compensatory afforestation should be initiated prior to the commencement of mining.

6. Drainage system incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining
7. 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 compliance report
8. Retaining wall of appropriate height should be provided at the overburden dumping site.
9. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
10. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
11. The haulage road should be maintained well with frequent sprinkling.
12. Adequate sanitation, waste management and rest room facilities should be provided to the workers.
13. Adequate energy conservation measures proposed should be implemented including solar power installations.

2. **SIA/KL/MIN/132154/2019 , 1618/EC2/2019/SEIAA**

Environmental Clearance for Granite (Building Stone) Quarry of Aishwarya Granites in Re-Sy. Nos. 272/3, 272/4, 272/5 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala (FIR Received).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed life of mine is 4 years for extracting 144240 MT of granite building stone. The depth to water table is 32m above MSL and nearest house is 85m. The Committee discussed the proposal and decided that the proposal is eligible to be recommend for EC with a period of 4 years. But the proponent has submitted another application for EC to a mining project with 8.0563 Ha of land under File No. SIA/KL/MIN/75523/2022; 2001/EC2/2022/SEIAA in the adjacent area and hence there is cluster condition. Therefore, **the Committee decided to seek clarification from the Proponent.**

3. **SIA/KL/MIN/132273/2019 , 2060/EC3/2022/SEIAA**

Environment Clearance for Building stone Quarry of M/s. Highrange Granite Industries, at Sy No: 431 (Part) & 442 (Part) over an extent 4.5000 Hect in Kokkayar village, Peerumade Taluk and Idukki - (Fresh Proposal).

Decision: The Committee examined the proposal and found the project site belongs to ESA. **The Committee decided to reject the proposal.**

4. **SIA/KL/MIN/135534/2020 , 1677/EC2/2020/SEIAA**

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Sy. No. 244/2 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala - Aishwarya Granites (FIR Received).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 3 years for extracting 120120MT of granite building stone. The depth to water table is 30m above MSL. The Committee discussed the proposal and decided that the Project is eligible to be recommend for EC with a project period of 3 years. But the proponent has submitted another application for EC to a mining project with 8.0563 Ha of land under File No. SIA/KL/MIN/75523/2022; 2001/EC2/2022/SEIAA in the adjacent area and hence there is cluster condition. Therefore, **the Committee decided to seek clarification from the Proponent.**

5. **SIA/KL/MIN/140382/2020 , 1674/EC2/2020/SEIAA**

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Sy. No. 268/1 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala- Aishwarya Granites (FIR Received).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 5 years for extracting 382575 MT of granite building stone. The depth to water table is 32m above MSL. The Committee discussed the proposal and decided that the Project is eligible to be recommend for EC with a project period of 5 years. But the proponent has submitted another application for EC to a mining project with 8.0563 Ha of land under File No. SIA/KL/MIN/75523/2022; 2001/EC2/2022/SEIAA in the adjacent area and hence there is cluster condition. Therefore, **the Committee decided to seek clarification from the Proponent.**

6. **SIA/KL/MIN/146306/2020 , 1676/EC2/2020/SEIAA**

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Sy. Nos. 109/3, 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala - Aishwarya Granites (FIR Received).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 5 years for extracting 351330 MT of granite building stone. The depth to water table is 32m above MSL. The Committee discussed the proposal and decided that the Project is eligible to be recommend for EC with a project period of 5 years. But the proponent has submitted another application for EC to a mining project with 8.0563 Ha of land under File No. SIA/KL/MIN/75523/2022; 2001/EC2/2022/SEIAA in the adjacent area and hence there is cluster condition. Therefore, **the Committee decided to seek clarification from the Proponent.**

7. **SIA/KL/MIN/208605/2021 , 2053/EC2/2022/SEIAA**

Laterite building stone quarry in Re Survey No.32/pt of Kolathur Village of Kasaragod Taluk, Kasaragod District. for an area of 0.24 Acre of Chandran V

Decision: The Committee examined the proposal and appraised the project as per OM dated

24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and **decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:**

1. The excavation activity associated should not involve blasting
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
3. The excavation activity should be restricted to 2m above the ground water table at the site
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

8. **SIA/KL/MIN/252014/2022 , 2071/EC6/2022/SEIAA
Environmental Clearance for Laterite building stone quarry of Mr. K.Abdul Gafoor, over an extent of 0.6184 Ha, Sy No-152/3-10, 152/5-3 in Payyanad Village, Ernad Taluk, Malappuram District, Kerala.**

Decision: The Committee examined the proposal and **decided to invite the proponent for presentation.**

9. **SIA/KL/MIN/261884/2022 , 2072/EC6/2022/SEIAA**
Environmental Clearance for Laterite building stone quarry of Mr. Abdul Majeed. P, over an extent of 0.9716 Ha, Re Survey No- 1/4 in Pulikkal Village, Kondotty Taluk, Malappuram District, Kerala.

Decision: The Committee examined the proposal and **decided to entrust Dr. C.C. Harilal and Dr. R. Ajayakumar Varma for field inspection and report.**

10. **SIA/KL/MIN/263360/2022 , 2064/EC3/2022/SEIAA**
Laterite Building Stone Quarry project of Vipin Sivadas over an extent of 0.1943 Ha, Block No. 26 Re Survey No- 35/8 , Edakattuvayal Village, Kanayannur Taluk, Ernakulam - (Fresh Proposal)

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and **decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:**

1. The excavation activity associated should not involve blasting
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site
3. The excavation activity should be restricted to 2m above the ground water table at the site
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

11. SIA/KL/MIN/266625/2022 , 2052/EC2/2022/SEIAA

Laterite building stone quarry of Mr Narayanan E. V over an extent of 0.0971 Ha, Survey No- 690/2D in Madikai Village, Hosdurg Taluk, Kasaragod District, Kerala (Fresh)

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
3. The excavation activity should be restricted to 2m above the ground water table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

12. SIA/KL/MIN/267208/2022 , 2080/EC2/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Eramu K.M over an extent of 0.0971 Ha in Survey No. 31/1PT168, of Kolathur Village of Kasaragod Taluk, Kasaragod District, Kerala. (Fresh)

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
3. The excavation activity should be restricted to 2m above the ground water table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

13. SIA/KL/MIN/270682/2022 , 2066/EC1/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Sidhique.K.P, over an extent of 0.9713 Ha, Re SyNo-272/2B in Pattithara Village, Pattambi Taluk, Palakkad District, Kerala (Fresh Proposal)

Decision: The Committee examined the proposal and observed that the PP has not submitted the CER proposal and the vertical section of laterite submitted is not legible. **The Committee decided to invite the proponent for presentation.**

14. SIA/KL/MIN/272428/2022 , 2070/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Krishnan, over an extent of 0.1259 Ha, ReSyNo-473/1-1,473/1-2 in Vazhakkad Village, Kondotty Taluk, Malappuram District, Kerala.

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and decided to recommend EC for a period of One year with the following specific conditions in addition to general conditions:

1. The excavation activity associated should not involve blasting.
2. The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.
3. The excavation activity should be restricted to 2m above the ground water table at the site.
4. The excavation activity should not alter the natural drainage pattern of the area.
5. The excavated pit should be restored by the project proponent for useful purpose.
6. Appropriate fencing all around the excavated pit should be made to prevent any mishap.
7. Measures should be taken to prevent dust emission by covering of excavated earth during transportation.
8. Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
9. Workers/labourers should be provided with facilities for drinking water and sanitation.
10. A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
17. An offset distance of 15m should be kept between the main road and the proposed site.

15. SIA/KL/MIN/276958/2022 , 2049/EC3/2022/SEIAA

Environmental Clearance for Granite Building Stone Quarry of M/s. Jesus Granites Pvt. Ltd. over an area of 1.4781 Hectare, situated in Survey No. 911/1-5, 916/3, 916/3-2, 916/3-3, 916/3-4 of Kallorkad Village, Muvattupzha Taluk of Ernakulam District and Kerala - (Fresh Proposal)

Decision: The Committee examined the proposal and observed that there is one more quarry located adjacent to the proposed site (SIA/KL/MIN/277815/2022, 2050/EC3/2022/SEIAA) and therefore, it is desirable to obtain clarification from the PP as to why there are two separate application from adjacent areas. The Committee also observed that the PP has not submitted CER proposal and DSR. **The Committee decided to invite the proponent for presentation.**

16. SIA/KL/MIN/277815/2022 , 2050/EC3/2022/SEIAA

Environmental Clearance for Granite Building Stone Quarry of M/s. Jesus Granites Pvt. Ltd. over an area of 1.4962 Hectare, situated in Survey No. 916/1-2, 916/1-2-2, 916/3-4, 917/1, 1122/1 of Kallorkad Village, Muvattupzha Taluk of Ernakulam District and Kerala- (Fresh Proposal)

Decision: The Committee examined the proposal and observed that there is one more quarry located adjacent to the proposed site (SIA/KL/MIN/276958/2022, 2050/EC3/2022/SEIAA) and therefore, it is desirable to obtain clarification from the PP as to why there are two separate application from adjacent areas. The Committee also observed that the PP has not submitted CER proposal and DSR. **The Committee decided to invite the proponent for presentation.**

17. SIA/KL/MIN/279012/2022 , 2086/EC3/2022/SEIAA

Environmental Clearance for Ordinary earth mining project of Ms. Sanija Willson, over an extend of 0.5666 Ha located at Re Survey No. 385/2-4,385/3-4, Block No.24 at Mulanthuruthy Village of Kanayannoor Taluk, Ernakulam District, Kerala- (Fresh Proposal).

Decision: The Committee examined the proposal in detail and observed that there is contradiction in the information provided in the Mine plan and Project Feasibility Report. The PP has not submitted demand letter from end user for the excavated earth and the survey map uploaded is not legible. Since there is contradiction in the material submitted for appraisal, the Committee is unable to appraise the proposal and hence **decided to recommend rejection of the proposal.**

18. SIA/KL/MIN/279213/2022 , 2082/EC2/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Balakrishna Poojary over an extent of 0.0971 Ha, Survey No-119/PT in Adhur Village, Kasaragod Taluk, Kasaragod District, Kerala. (Fresh Proposal)

Decision: The Committee examined the proposal in detail and found that there are two proposals in adjacent plot with Survey No **119/PT1**. The Committee observed that it is desirable to seek clarification from the PP regarding the reason for submitting separate application in adjacent plots. The Committee also observed that the proposal lack drainage plan and certified survey map. The **Committee decided to invite the Proponent for presentation.**

19. SIA/KL/MIN/280078/2022 , 2083/EC2/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Balakrishna Poojary over an extent of 0.0971 Ha, Survey No-119/PT1 in Adhur Village, Kasaragod Taluk, Kasaragod District, Kerala. (Fresh Proposal)

Decision: The Committee examined the proposal in detail and found that there are two proposals in adjacent plot with Survey No **119/PT1**. The Committee observed that it is desirable to seek clarification from the PP regarding the reason for submitting separate application in adjacent plots. The Committee also observed that the proposal lack drainage plan and certified survey map. The **Committee decided to invite the Proponent for presentation.**

20. SIA/KL/MIN/284493/2022 , 2092/EC6/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr. Musthafa, over an extent of 0.3844 Ha, Re-Survey No-1/1-2 in Cheekode Village, Kondotty Taluk, Malappuram District, Kerala.

Decision: The Committee examined the proposal and appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and **decided to recommend EC for a period of Two years with the following specific conditions in addition to general conditions:**

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

11. A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.
12. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.
13. The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.
14. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.
15. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total
16. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

21. SIA/KL/MIN/286387/2022 , 2077/EC4/2022/SEIAA

Environmental Clearance for Laterite building stone quarry of Sri. Kunhimohammed, over an extent of 0.3884 Ha, Re-Survey No-1/41(1/1B2) in Poolakode Village, Kozhikode Taluk, Kozhikode District, Kerala. (Fresh application)

Decision: The Committee examined the proposal in detail and observed that detailed drainage plan and CER proposal are not submitted. The **Committee decided to invite the Proponent for presentation.**

22. SIA/KL/MIN/40283/2019 , 1457/EC3/2019/SEIAA

Environmental Clearance for Our Proposed Granite Building Stone Mining Project (Area - 0.9995 Ha) in Re-survey No . 50/4, 52/2/2, at Ayyampuzha Village, Aluva Taluk, Ernakulam District, Kerala - Documents to be verified by the subcommittee (129th SEAC).

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The SEAC in its 119th meeting verified the documents submitted by the PP and stated that processing at the SEAC level has been completed and the Committee decided to await the NGT order on the minimum distance criteria. The 129th meeting of the SEAC decided to examine the clarifications regarding discrepancies in the details given in the mining plan and details provided as part of ADS through a Sub Committee. The **Committee discussed the clarifications and other details and decided to recommend EC for a period of 3 years subject to the following Specific Conditions in addition to the General Condition:**

1. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
2. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
3. Drainage system incorporating garland canal, silt traps, siltation pond and outflow

channel connecting to a natural drain should be provided prior to the commencement of mining.

4. 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 compliance report.
5. Gabion wall of appropriate height should be provided at the overburden dumping site.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).

23. SIA/KL/MIN/50013/2019 , 1318/EC2/2019/SEIAA

Environment Clearance for the Proposed Granite Building Stone Quarry of Mr. Haridasan at Survey No: 488 in Vettathur village, Perinthalmanna Taluk, Malappuram District, Kerala for an extent of 7.7085 Ha

Decision: The Committee examined the proposal and discussed the field inspection report. EIA study has been carried out for the project and based public consultation was held. There are also additional studies with respect to landslide possibilities, slope stability etc. There are also complaints against the project and report received from DFO and District Collector. The Committee also discussed the detailed evaluation of the report of the slope study conducted. The slope angle of the site is around 36° with higher slopes at patches. The report seems to have not considered the local structural geological aspects, especially joint type, sets of joints, joint plain etc. and also possibility of impacts of blasting on such weak structures. The three sides of the proposed quarry site is surrounded by forest land at distance of 53m to 73m. The report of DFO also indicated landslide incidences in and around the area in 2018. From the land stability study, the Committee inferred that the land vulnerability of the area is severe. Considering these adverse situation and precautionary requirement, **the Committee decided to recommend rejection of the proposal.**

24. SIA/KL/MIS/73563/2022 , 1193/EC2/2018/SEIAA

Environment Clearance for proposed Expansion of Mixed Use Township development project to be developed by M/s Calicut Landmark Builders & Developers (India) Pvt. Ltd. (Online- Fresh application)

Decision: The Committee examined the proposal in detail and **decided to invite the proponent for presentation.**

PART 5

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/130330/2019, 1924/EC6/2021/SEIAA

Granite Building Stone Quarry Project of M/s Manjeri Blue Metals – Evaluation Report received

Decision: The Committee examined the proposal and documents submitted. The site having an area of 0.4988 Ha is located at mid-slope region of a hill with elevation of about 225m above MSL with elevation of 50m above MSL at its lower portion. The elevation difference of the proposed site is 170m to 100m above MSL and the slope seems to be very steep based on the inference from satellite image. The application indicated that the mineable reserve is 1,03,000 MT with production rate of 25,750 TPA for four years which is verified with the mine plan. However, there observed a contradiction in the application in which the extractable quantity of material is stated as 2,45,408 MT which is more than mineable reserve and is a wrong entry. Based on discussions, **the Committee decided to invite the proponent for presentation.**

2. SIA/KL/MIN/156868/2020 , 1812/EC3/2020/SEIAA

Granite Building Stone Quarry Project of Mr. Joseph A V, Kottayam, for an area of 0.9407 Ha. in Block No. 70, Re. Sy. No. 23/1, 23/2 at Poonjar village, Meenachil Taluk, Kottayam-Evaluation Report received

Decision: The Committee examined and discussed the evaluation report in detail **and decided to direct the proponent to submit the following additional documents:**

1. Drainage map considering the slope and connecting the nearby natural drain
2. Detailed CER proposal incorporating monitorable physical targets and its incorporation in the EMP as per the pertinent OM. The PP has attached only a letter from panchayath.
3. Upload Mine plan in full
4. Submit OB dump plan considering the terrain characteristics
5. Recently certified survey map from the Village Officer showing distance to houses and other built structures within 200m
6. Latest cluster certificate
7. KML file showing boundary pillars
8. Location of proposed monitoring wells and the depth to ground water table.

3. SIA/KL/MIN/169289/2020 , 1843/EC6/2020/SEIAA

Granite Building Stone Quarry Of Mr. Sudheermon.P.P having an area of 0.9569 Ha in Survey No:217/4,In Pulpatta Village, Eranad Taluk, Malappuram District, Kerala State (Field Inspection Report Received)

Decision: The Committee examined the proposal and discussed the field inspection report. The mineable reserve is 2,22,929 MT and the proposed life of mine is 5 years. An abandoned quarry is found located adjacent to the proposed project area in the land understood to be owned by the proponent. It is highly desirable that this abandoned quarry is protected with fencing after leaving a buffer zone so as to avoid danger to man and animal. Based on discussion, the Committee **decided to direct the proponent to submit the following additional documents as decided in the 128th meeting of SEAC:**

1. An action plan suitable for biodiversity conservation in the proposed area based on the status of the biodiversity in and around the location and considering the impacts anticipated.
2. Recent Cluster Certificate.

4. **SIA/KL/MIN/170197/2020 , 1776/EC1/2020/SEIAA
Environmental Clearance for the Proposed Granite Building Stone Quarry of
Mr. Anish S at Re. Sy. No. 136/pt, 137/pt of Kozhipathy Village, Chittur Taluk,
Palakkad District of Kerala (Field Inspection Report Received)**

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 4 years for extracting 90,848 MT of granite building stone. The depth to water table is 80m above MSL and nearest built structure 68m. The Committee discussed the proposal and decided to recommend EC for a period of 4 years subject to the following Specific Conditions in addition to the General Condition:

1. 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.
2. 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 compliance report.
3. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
4. Compensatory afforestation should be done with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
5. Gabion wall of appropriate height should be provided at the overburden dumping site.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).
8. An abandoned quarry with horizontal phase of below 10m distance is found of the proposed project area. This land is understood to be owned by the proponent. It is desirable that this abandoned quarry is protected with fencing after leaving a buffer zone so as to avoid danger to man and animal
9. The compensatory afforestation should take into consideration the buffer area where green belt development is not possible due to exposed rock

10. Recommendations of Biodiversity Assessment team, (Haul road avenue planting, Miyavaki forest and Assisted Natural Regeneration etc.) should be followed while implementing compensatory afforestation.
 11. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
5. **SIA/KL/MIN/189304/2020 , 1940/EC1/2022/SEIAA**
Granite Building Stone Quarry of Shri. K. J. Thomaskutty over an extent of 0.6147 Ha. Survey no.776/1-29, 776/1-3-18,776/1-5-4, 776/1-5-4-8, 776/1-5-4-8, 776/3-8 of Chethackal Village, Ranni Taluk, Pathanamthitta District, Kerala - Judgement dated 08.04.2022 in WPC 12093/2022 (Evaluation Report)

Decision: The Committee discussed the evaluation report and observed that the PP filed a case before the HC to direct SEIAA to dispose of the application for environmental clearance as expeditiously as possible at any rate, within a period of one month. HC directed SEIAA to take up the application and to pass appropriate orders thereon in accordance with the seniority of the submission of the application. The mineable reserve is 76,213 MT and the proposed life of mine is 3 years. The maximum depth of mining is 110m and the depth to water table is 108m both values above MSL. The nearest house is at 57m. The Committee observed that the PP has not uploaded the District Survey Report and also the distance to nearest High and Moderate Hazard zones. Based on discussions, **the Committee decided to invite the proponent for presentation.**

6. **SIA/KL/MIN/44927/2019 , 1210(A)/EC2/2019/SEIAA**
Environmental Clearance for Expansion of Existing Masonry Stone Mine (Quarry) project of M/s H & P Granites for an area of 9.0681 ha. at Kummil Village, Kottarakkara Taluk, Kollam District, Kerala (Field Inspection Report Received)

Decision: The Committee examined the proposal and additional documents submitted and discussed the field inspection report. The 114th meeting of the SEIAA referred back the recommendation of SEAC to issue EC for 5 years as against the proposed life of mine of 22 years in the approved Mine plan. As decided in the 130th meeting of SEAC, a Sub Committee studied the project, evaluated the documents and reports and submitted a report which was accepted in the 131st meeting of SEAC. As decided in the Committee, field inspection was carried out on 6.9.2022. Based on discussions, the Committee decided to direct the proponent to submit the following additional documents:

1. Report on the quantity of mined-out material from the operational part of the quarry authenticated by the M&G department.
2. Mine Plan approved on 17.12.2018 which is not found uploaded.
3. Affidavit stating that the portion of the mine where the bench is not maintained will be corrected with immediate effect.

7. **SIA/KL/MIN/269091/SEIAA , 1975/EC4/2022/SEIAA**

Environmental Clearance for the Proposed Granite Building Stone Quarry in favour of Mr.Prabakar General Manager, M/s Megha Engineering &Infrastructure Ltd which is situated at Re Survey number 74/772, 74/151,74/154,74/152, 74/1D of Kuttur Village, Payyannur Taluk, Kannur District, Kerala for an area of 2.1854 hectares (Field Inspection Report Received)

Decision: The Committee examined the proposal, verified the documents and discussed the Field Inspection Report. The proposed Life of mine is 5 years for extracting 853876.9MT of granite building stone. The maximum depth of mine is 85m above MSL and the depth to water table is 88m above MSL. Therefore, the depth of mine should be limited to 90m above MSL. The nearest built structure, a crusher, is at 61 m and nearest house is at 202m from the proposed site. Based on discussions, **the Committee decided to recommend EC for a period of 5 years subject to the legal opinion on the implications of the order of Hon'ble National Green Tribunal in original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited which is located adjacent to the quarry under appraisal.** The issuance of EC, if done, should also be subject to the following Specific Conditions in addition to the General Condition:

1. 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.
2. 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 compliance report.
3. Green belt development in the buffer zone should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
4. Compensatory afforestation should be done with indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
5. Gabion wall of appropriate height should be provided at the overburden dumping site.
6. CER Plan should be implemented within the first 2 Years and it should be operated and maintained till the mine closure plan is implemented.
7. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.00am) and afternoon (3.30pm to 5 pm).
8. The impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
9. The haulage road should be strengthened and maintained well

The Committee also decided to bring to the notice of the Authority that a complaint by one Mr. Anoop, Kozhikkode requesting for enforcing the judgment of the Hon'ble National Green Tribunal in original Application No.75 of 2021, against the violation of EC conditions by M/s. RDS Project Limited and intimating that during the appraisal of adjacent projects, the present circumstances and directions of Hon'ble Courts shall be taken into consideration

before final recommendation. This proposal under appraisal is located adjacent to the proposed site implied in the Hon. NGT direction. It is also learnt that the Human Rights Commission also have issued directions regarding quarrying activity in & around the project site of RDS which is adjacent to the proposal under consideration.

7. **SIA/KL/MIN/163190/2020, 1750/EC1/2020/SEIAA
Environmental Clearance for the proposed Granite (Building Stone) Quarry with Lease area of 1.6 Ha in Re- survey no. 547 in Melarkode village, Alathur Taluk, Palakkad District, Kerala by Mr. Jacob Barry (Field Inspection Report Received)**

Decision: The Committee examined the proposal and discussed the field inspection report and **decided to direct the proponent to submit the following additional documents:**

1. Letter from the concerned DFO or Wildlife Warden regarding the distance between the proposed project site and the nearest wildlife sanctuary
2. Recent Cluster Certificate
3. Reason and approval for establishing the magazine in a site far away from the proposed quarry site.
4. Alternative plan for establishing magazine near to the proposed project site as the connecting road is very narrow and crosses very densely populated area.
5. Revised CER incorporating monitorable physical targets and integrating it in the EMP as per norms.
6. Traffic plan considering the narrow road and high population density of the area adjacent to the road.

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

1. **SIA/KL/MIN/278020/2022 , 806/SEIAA/EC4/2237/2015
Extension of Validity of Environmental Clearance – Building Stone Mine (Quarry) project of Sri. Tomy Thomas at Sy. Nos. 247/2, 247/2/1, 247/2/2, 247/2/3, 249/1, 249/2/, 249/3, 249/4, 439/1-1, 248/4, 248/3pt , Erattupetta Village, Thalappalam Panchayat, Meenachil Taluk, Kottayam District, Kerala for an area of 3.9577 Ha.- (Complaints Received)**

Decision: The Hon. High Court of Kerala vide judgement dated 11.3.2022 in W.P.(C) No. 21767 of 2021 ordered that the SEIAA shall on receipt of the application consider the extension in terms of Clause 9 of EIA, 2006 and pass orders within one month therefrom (Ref. 3). Considering the urgency consequent to Ref (3), the SEAC, in its 130th Meeting (July 4-6, 2022), studied the Judgement of the Hon. High Court dated 11.3.2022, examined the proposal, verified the documents, and discussed the earlier field inspection reports. The

Petitioner submitted the application for extension of validity of environmental clearance in Form-6 on 10.2.2022 to the SEIAA. On pointing out the short-comings, it was resubmitted on 21.6.2022 and was accepted by SEIAA on 23.6.2022. The proposal was forwarded to SEAC and it was accepted by SEAC on 1.7.2022 and the same was placed in the 130th meeting of the SEAC held during July 4-6, 2022. The Committee scrutinized the application and observed that the application lacks certain documents/details as listed in the minutes, that are required for carrying out the appraisal. In the meanwhile, the Sub Committee entrusted by the SEAC, evaluated the application and other documents submitted by the PP, examined compliance of EC conditions and carried out field inspection on 28.7.2022 and submitted the Field Inspection Report.

The Field Inspection Report was discussed in the 131st meeting of the SEAC held during August 5-6 and August 19-20, 2022 and the Committee decided to direct the Proponent to submit the following documents which are essential for appraising the project further and taking a decision on the extension of the validity of the EC.

1. Certified Compliance Report from MoEF & CC, IRO, Bangalore.
2. Recent Certified Survey Map indicating distance to built structures including houses and other building
3. Recent Cluster Certificate
4. New Mining plan and Scheme of Mining
5. Biodiversity Assessment Report
6. Revised EMP incorporating CER proposals with detailed physical targets
7. Compensatory afforestation plan along with geo-tagged photographs of the proposed site

The PP submitted the documents, except Certified Compliance Report from MoEF & CC, IRO, Bangalore, on 14.9.2022. The Project Proponent (PP) intimated that they have submitted the Half Yearly Compliance Reports regularly to the Regional Office of MoEF and to SEIAA, Kerala and made a request letter dated 10.07.2022 to the Regional Office of MoEF & CC, Bangalore for obtaining Certified Compliance Report (CCR). The PP also intimated that the field visit by the MoEF team is scheduled on 17.09.2022 and that they are expecting the CCR to be submitted to SEIAA/SEAC within 15 days. The SEAC examined the documents submitted by the PP and found them satisfactory. The Geologist, Mining & Geology Department, Govt. of Kerala, Kottayam approved the Scheme of Mining Plan with Progressive Mine Closure Plan for the lease area of 2.8534 Ha and Project Period of 8.2 years. In the circumstance, **the SEAC decided to recommend extension of the EC with a Project Period of 8.2 years as approved in the Scheme of Mining Plan with Progressive Mine Closure Plan for the lease area of 2.8534 Ha subject to the following specific conditions in addition to general conditions.**

1. The Certified Compliance Report should be submitted within one month from the date of issuance of the EC (The Sub Committee of the SEAC observed compliance of EC conditions during their field inspection).
2. The buffer zones should be demarcated and green belt there should be strengthened with indigenous species of trees as suggested in the biodiversity assessment report.

3. Blasting should be conducted with a maximum of 30 holes in a blast round using 32mm diameter blast holes drilled with handheld Jack hammer drill to a maximum depth of 1.5m and each hole charged with a maximum of 250gm of explosive.
4. Nonel based shock-tube detonators should be used for initiation so as to have hole to hole delay of 17ms and 25ms and accordingly row to row delay of 25ms or 42ms.
5. Adequate muffling arrangement should be made to restrict fly rocks within 10m.
6. Blasting configuration and layout should be strictly in accordance with the recommendation in the study report of the Department of Mining Engineering, National Institute of Technology- Karnataka (NIT-K), Suratkal, Mangalore dated 16.4.2021.
7. The blasting configuration and layout as per the study conducted by the NIT-K, Suratkal should be displayed in front of the project site.
8. Haulage road should be completed with adequate width and lower gradient prior to the commencement of mining.
9. The garland canal and connected catch water drains with intermittent silt traps should be complete in all respects prior to the commencement of mining
10. A water holding and clarifier pond should be set up at the bottom portion of the site so as to prevent outflow of turbid water.
11. The garland canal, catch water drains, silt traps, water holding and clarifier pond and outflow channel should be cleaned and desilted periodically and geo-tagged photographs of the process should be included in the Half Yearly Compliance Report.
12. Adequate Rain Water Harvesting structure should be provided on the lower part of site.
13. Overburden dumping site should be provided with protective walls in the lower slope portion of the project area and overburden dump should be protected with retention wall of appropriate height.
14. The existing steep cutting should be set right with adequate benches with stipulated height and width prior to commencement of regular mining.
15. A separate plot to preserve the rare and endemic species, if any, should be earmarked.
16. Planting of trees of local species on both sides of the road within the project site should be completed prior to commencement regular mining.
17. Compensatory afforestation should be done with indigenous species of trees as mentioned in the biodiversity in the land earmarked for the purpose
18. Environment Management Cell (EMC) should include one subject expert in environment management.
19. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
20. Adequate sanitation, waste management and rest room facilities should be provided to the workers
21. Adequate energy conservation measures should be implemented including solar power installations
22. A Local Monitoring Committee consisting of the President, Thalappalam GP, Member of the concerned Ward of Thalappalam GP, One nominated Member of the Biodiversity Management Committee of the Thalappalam GP, Proponent of the

Mining Project, Expert in the Environment Management Cell (EMC) of the Project should be constituted. The Committee will meet once in two months and monitor the conditions stipulated in the mining approval, consent to operate and environmental clearance and their suggestions should be implemented by the EMC without amending any conditions stipulated in various clearances obtained for operating the mine.

The Committee also decided to bring the following aspects before the Authority. The Project area falls in moderate hazard zone in continuity with high hazard zone and therefore, adequate precaution will have to be taken considering the Kerala State Disaster Management Plan, 2016 published under Section 23(1) of Disaster Management Act, 2005 which states that in moderate hazard zones, quarrying shall be permitted only after getting approval of the district level crisis management committee for mining constituted vide G.O (Rt) No. 542/14/ID dated 26-05-2014.

The meeting ended at 4.30 pm on 15th September 2022.

It is decided to convene the next meeting of SEAC from 11th to 13th October, 2022.

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

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

Sl. No.	Name	13.09.2022	14.09.2022	15.09.2022
1.	Shri.Sheik Hyder Hussain	✓	✓	✓
2.	Dr.A.Bijukumar.	X	X	X
3.	Dr.A.N.Manoharan	✓	✓	✓
4.	Shri. M.Dileep kumar	✓	✓	X
5.	Smt. Beena Govindan	✓	✓	✓
6.	Dr.C.C.Harilal	X	X	X
7.	Dr.K.VasudevanPillai	✓	✓	✓
8.	Dr.MaheshMohan	✓	✓	✓
9.	Dr.K.N.Krishnakumar	✓	✓	✓
10.	V.Gopinathan	✓	✓	✓
11.	Dr.A.V.Raghu	✓	✓	✓
12.	Dr.N.Ajithkumar	✓	✓	✓
13.	Shri.Suneel Pamidi,IFS (Secretary)	✓	✓	✓
14.	Dr.R.AjayakumarVarma (Chairman)	✓	✓	✓