

**MINUTES OF THE 123rd MEETING OF THE SEAC KERALA HELD DURING 27th – 30th
JULY 2021 AT THE CONFERENCE HALL, STATE ENVIRONMENT IMPACT
ASSESSMENT AUTHORITY, THIRUVANANTHAPURAM**

PARIVESH FILES

ADDITIONAL AGENDA

- 1. SIA/KL/MIN/126728/2019 , 1782/EC4/2020/SEIAA
Granite (Building Stone) Quarry with permit at survey no.275/1Apt in
Thriprangotoor Village, Thalassery Taluk, Kannur District, Kerala for an extent
of 0.6844 Ha (Additional Documents received)**

Decision: Deferred for detailed scrutiny.

- 2. SIA/KL/MIN/129749/2019, 1553/EC2/2019/SEIAA
Granite Building Stone Quarry of Vallom Infrastructure and Developers
Pvt.Ltd, at Survey Nos. 47/1 in Venganellur Village, Thalappilly Taluk, Thrissur
District, Kerala for an extent of 0.9990 Ha (Field Inspection Report received)**

Decision: The Committee discussed the Field Inspection Report and directed the proponent to submit the following additional documents:

- a. CER to be reworked, incorporate in EMP and provisions for environment conservation practices also to be included.
- b. The farm shed and store building shall be demolished before quarrying. An affidavit to this effect shall be provided by the proponent.
- c. Identify the native tree species existing in the proposed site and make a compensatory afforestation plan accordingly.

- 3. SIA/KL/MIN/129766/2019 , 1616/EC2/2020/SEIAA
Proposed granite building stone quarry of Mr.Jalaludeen at Survey No. 30/3-2,
30/3-3, 30/3-4, 30/14, 37/5-1, 37/5-2 & 37/5- 3, at Veliyam Village, Kottarakara
Taluk, Kollam District, Kerala State, having an extent of 0.7161 Hectares
(Additional Documents Received)**

Decision: Deferred for detailed scrutiny.

- 4. SIA/KL/MIN/129838/2019, 1771/EC6/2020/SEIAA
Proposed Granite (Building Stone) Quarry of M/s Cherupara Granites with
Lease at Survey Nos. 8/2, 8/2-18 in Vettilappara Village, Eranad Taluk,
Malappuram District, Kerala State for an extent of 1.2914 Ha (Field Inspection
Report received)**

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Compensatory Afforestation
- b. A retaining wall must be constructed along the South-Eastern side of the project site. It would be good, the area is strengthened with site specific plants like bamboo. An affidavit to be obtained.
- c. Haulage Road should be maintained properly stabilising the road sides and ensuring the flow of natural drain.
- d. CER to be modified and made part of EMP and submitted.
- e. Location of the observation well must be submitted

5. SIA/KL/MIN/131666/2019 , 1783/EC3/2020/SEIAA

Building Stone Quarry of Mr.P V Santhosh for an area of 0.9998 Ha 288/1-1,288/1-2,287/2,288/3 at Mazhuvannoor Village, Kunnathunadu Taluk, Ernakulam (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Revised project cost
- b. Increase the width of the private road to the site to facilitate simultaneous movement of two vehicles.
- c. Affidavit stating that the top soil near BP7 will not be disturbed.
- d. Revise the project cost and the CER Plan.
- e. Up load District Survey Report of Ernakulam
- f. Detailed Project Report on the Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.
- g. Revised biodiversity assessment with quantification separately for the core and buffer areas.
- h. A Recent survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary certified by the Village Officer.
- i. Biodiversity summary in tabular form
- j. Detailed water level measurement data of nearby open wells with geo coordinates
- k. Recent cluster certificate

6. SIA/KL/MIN/133818/2019 , 1644/EC3/2020/SEIAA

Environmental Clearance for the building stone quarry of Mr. P. P. Varghese Proprietor M/s Kallen Metals at Survey No. 487/1-3B part of Pallarimangalam

Village, Kothamangalam Taluk, Ernakulam District, Kerala for an Area of 0.9787 hectares (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Revised project cost
- b. Furnish physical details of proposed CER activities
- c. Revise EMP budget considering all activities coming under this and make arealistic assessment of the financial requirement.
- d. Furnish reduced level of groundwater level monitoring well.
- e. Revised project cost considering changes in EMP. Fair value of land, CER etc
- f. List of trees in core and buffer separately
- g. Compensatory afforestation plan

7. SIA/KL/MIN/134527/2020 , 1637/EC3/2020/SEIAA

Building Stone Quarry of M/s.Four Star Granites over an area of 1.6479 Ha in Sy. No. 503/1,503/2,498/3-B/8- 6,493/1/14-B of Varapetty Village, Kothamangalam Taluk, Ernakulam (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Fix the boundary pillars permanently and submit photos
- b. Develop green belt in the buffer in the first six months itself
- c. Submit compensatory afforestation plan
- d. Revised site specific drainage map with suitable settling tank and connection to natural drainage
- e. Submit the plan for the development of the road from the panchayat road to the site.
- f. Provide a retaining wall for the proposed OB dumping site on the north and eastern Side
- g. A Recent survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary certified by the Village Officer.
- h. Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.
- i. Land slide Hazard Zonation Map
- j. Compensatory Afforestation Plan

k. Map showing OB dumping site

8. SIA/KL/MIN/136195/2020 , 1587/EC1/2020/SEIAA

Granite / Building stone quarry of “Mr.Babu Jacob, Director, M/s. Mannari Granites Private Limited. Sy.No: 1008/1-18/3,1008/1-18/4,1008/1- 18/5,1008/1-18/7 in Mulavoor Village, Muvattupuzha Taluk, Ernakulam District,Kerala State (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Revised map showing the relocated dump site.
- b. Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.
- c. Revised biodiversity assessment with quantification separately for the core and buffer areas.
- d. Revised drainage map.
- e. Submit revised drainage plan
- f. Undertake a fresh count of the number of trees in the project area. Ensure that the rubber trees in the area are also counted. Based on the new count of trees, develop a compensatory afforestation plan. The compensatory afforestation plan should include activities to compensate for the excavation in the buffer area between BP4 and BP3.
- g. Add additional silt traps
- h. Revise the project cost
- i. Revise the EMP including the physical details interventions under CER.

9. SIA/KL/MIN/138256/2020 , 1702/EC4/2020/SEIAA

Building Stone Quarry of Mr.K.K.Mohammed over an extent of 0.9199 Ha at Re.Sy.No188/2 in Kodyathur Village, Kozhikode Taluk, Kozhikode District, Kerala (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Compensatory afforestation plan
- b. Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two

years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

- c. The additional details were not uploaded as these have not been raised by SEIAA in the Parivesh.
- d. There is a small shed near BP1 without house number
- e. EMP budget and CER proposal need to be revised with realistic budget details and physical details of CER activities.
- f. Revised biodiversity assessment with quantification separately for the core and buffer areas.
- g. A Recent survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary certified by the Village Officer.
- h. Biodiversity summary in tabular form
- i. Water level data of nearby open wells with geo coordinates
- j. Revised project cost
- k. Tree cutting details and Greenbelt plan with species details
- l. DSR

10. SIA/KL/MIN/138465/2020 , 1608/EC1/2020/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri. Sathan. C” over an extent of 2.8552 Ha. (7.0551 Acres) Re-Sy. BlockNo. 26, Re-Sy. Nos. 156/1, 156/2,156/3 & 156/3-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. All pillars should be replaced with concrete pillars with geo - coordinates written on it.
- b. Proper fencing should be made along the boundary.
- c. A survey map showing all structures within 200m boundary, with distances specified.
- d. A traffic plan needs to be submitted along with an affidavit stating that the width of the road to be widened to 8m when operations get started
- e. OB location should be shifted to lower level, between BP1 and BP2, outside boundary; this location should be marked on a map and submitted
- f. A compensatory afforestation plan with native species to be submitted.
- g. CER Proposal with physical details for easy monitoring is required. This has to be integrated with EMP and then to be added to the total cost. The activities should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

- h. Site- specific silt traps to be provided in the garland canal with a proper out section with settling tank connected to a natural drain. A map showing these to be submitted.
- i. Validity certificate of RQP

11. SIA/KL/MIN/140590/2020 , 1791/EC2/2020/SEIAA

Granite Building Stone Quarry of Mr. Joby John over an extent of 0.7300 Ha. in Re-Sy. Nos. 382/1 & 382/5, Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala State, India. (Additional documents received)

Decision: Deferred for detailed scrutiny.

12. SIA/KL/MIN/142152/2020 , 1737/EC4/2020/SEIAA

Environmental Clearance for Laterite building stone quarry of Mr.Suresh.T, over an extent of 0.4047 Ha, Resy no-113/21(113/2) in Mavoor Village, Kozhikode Taluk, Kozhikode District, Kerala (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Detailed Project Report on the Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.
- b. A Recent survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary certified by the Village Officer.
- c. Biodiversity summary in tabular form
- d. Detailed water level measurement data of nearby open wells with geo coordinates.
- e. Lithological cross section with depth details
- f. Consent letter of the owner of the existing quarry pit on the eastern side of the project area to stack top soil and laterite waste in the quarry pit.
- g. Consent of the owner of the project area for three year lease period instead of present two year period

13. SIA/KL/MIN/144152/2020 , 1392/EC2/2019/SEIAA

Application for Environmental Clearance for the expansion of existing Building Stone Mine (quarry) project in Re-Survey Nos. 283, 282/3-1, 282/3- 3pt. of Mazhuvannoor Village & Re Survey Nos. 284/1-2, 284/1-3, 284/2-2Pt., 284/2-

3pt., 285/4, 283/2-5-2, 283/2-3-2, 282/1-3-1-2 in Block No. 28 of Arackappady Village, Kunnathunad Taluk, Ernakulam district, Kerala for an area of 8.7668 hectares of land by Sri. Eldho Kuruvilla, Managing Partner, M/S Cochin Granites Pulickal Associates (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Revise CER proposal as given in the presentation in 117th SEAC meeting.
- b. Revise mining plan with modification in C C' and D D' sections so that ultimate depth
- c. limited to 40 m above MSL
- d. Reduced levels of groundwater level monitoring wells
- e. Details of medicinal garden
- f. Carrying Capacity study by a recognized institution

14. SIA/KL/MIN/147339/2020 , 1669/EC6/2020/SEIAA

The building stone quarry project of M/s Granites India situated at Survey Nos. 98/2pt, 98/24 pt (Block No. 1) & Survey No. 428/66 pt (Block No. 2) of Edayur Village of Tirur Taluk, Malappuram Dist (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. A protective wall must be constructed around the O.B dumping site-An affidavit to that effect to be submitted.
- b. Detailed plan regarding native trees to be planted in each year must be provided.
- c. CER –Specifications of Solar light installation and storage capacity details of water storage must be mentioned.

15. SIA/KL/MIN/164009/2020 , 1372/EC2/2019/SEIAA

Building Stone Mine (Quarry, Minor Mineral Mining) project of Mr. Rajan Thomas at Re-Survey Nos. 205/3, 205/5, 199/3, 199/8, 199/7, 199/7-1, 199/9, 199/6-1, 198/1, 198/2, 197/1, 198/5, 198/5-6, 198/4, 207/1, 198/3, 206/2, 206, 206/4, 206/1, 206/3 of Kanjirappally Village & Panchayat, Kanjirappally Taluk, Kottayam District, Kerala for an area of 4.9231 Ha. (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. EIA report and Public Hearing details
- b. Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the

interventions undertaken can be done by the proponent during the remaining validity period of the EC

- c. Revised buffer area plan
- d. Site- specific drainage plan
- e. Specific plan for reuse of water
- f. Water quality assessment and maintenance
- g. Sediments test report & Source of minerals
- h. Solution for biological pollution of water
- i. Production revision
- j. Compensatory afforestation plan including the endemic species.

16. SIA/KL/MIN/166510/2020 , 1811/EC3/2020/SEIAA

Building Stone Mine (Quarry, Minor Mineral Mining) project of M/S Chattupara Granites Private Limited at Survey Nos.734/1B-32, 734/1B-34-3, 734/1B-34-4 of Kalloorkkad Village, Muvattupuzha Taluk, Ernakulam District, Kerala in an area of 0.9700 hectares (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. Recent survey Sketch from the Village Officer indicating the houses and buildings within 200 metre radius.
- b. Submit the Plan for road development. Its cost to be included in the project cost.
- c. Undertaking that the top soil on the upper part of the hill will be protected.
- d. Protect the area above BP2-BP4 on the north west side of the site outside the buffer area by constructing gabion wall. (Slope mitigation measures)
- e. Submit compensatory afforestation plan.
- f. Affidavit stating that the top soil near BP7 will not be disturbed.
- g. Revise the CER Plan and include it in Form 1M.
- h. Proposal for biodiversity restoration for butterfly attraction should be site specific.
- i. Workout maximum creditable flood accident potential.
- j. Modified Form 1M considering the changes in the nearest houses
- k. Detailed Project Report on the Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

17. SIA/KL/MIN/187395/2020 , 747/EC1/180/2015/SEIAA

Environment Clearance for Granite Building Stone Quarry of M/s A-One Sands Private Limited at Re Block No.23, Re survey

No.452,441/1,441/2,435,440/1,440/2,436 of Muthalamada -I Village, Chittur Taluk, Palakkad District (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following documents/details:

- a. A protective wall shall be constructed around the siltation pond of existing crusher unit-Affidavit to that effect to be submitted.
- b. Garland drainage map shall be modified by providing linkage to natural drain.
- c. Approach road to the project site shall be developed-Affidavit to be submitted.
- d. Clearance certificate from the National Board of Wildlife to be obtained and submitted.
- e. O.B dumping site must be identified and demarcated in the drainage map and submitted.

18. SIA/KL/MIN/35199/2019 , 1461/EC2/2019/SEIAA

Environment clearance in respect of the Proposed Granite Building Stone Quarry over an extent of 0.7879 Hectares in Sy. No. 127 pt of Thrikkur Village, Mukundapuram Taluk, Thrissur District of Kerala State by M/S Alphonsa Granites- (Additional documents received)

Decision: Deferred for detailed scrutiny.

19. SIA/KL/MIN/45120/2019 , 1526/EC2/2019/SEIAA

Paralickad Granite building stone quarry of VJ Chacko, at Re-survey No. 153/7 over an extent of 0.9996 hectares situated in Wadakkanchery Village, Thalappilly Taluk Thrissur District (Field Inspection Report received)

Decision: The Committee discussed and accepted the Field Inspection Report and decided to direct the proponent to submit revalidated mining plan with detailed reserve estimation.

20. SIA/KL/MIN/45324/2019 , 1557/EC3/2019/SEIAA

Granite Building stone quarry of "Shri. Varghese Chakku At Re- Survey No:284,Block No.22 in Malayattoor Village, Aluva Taluk, Ernakulam District, Kerala State by Shri. Varghese Chakku (Additional Documents submitted)

Decision: Deferred for detailed scrutiny.

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

Proposed Granite Building Stone Quarry of Shri. Haridasan at Survey No: 488 in Vettathur village, Perinthalmanna Taluk, Malappuram District, Kerala for an extent of 7.7085 Ha (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following additional documents:

- a. As nearby areas witnessed landslides in recent years (may be due to human interventions), slope stability study report of the area by a reputed Geo Engineering Institute. Also a furnish a micro-level hazard zonation mapping report of the area by a reputed institute
- b. Letter from the concerned DFO about the distance from nearby forest to the project area.
- c. Copies of documents submitted as directed by the Director of Mining & Geology vide his order no 511/2020-21/10660/M3/2018/DMG dated 23-12-2020 (Legal heirship Certificate, Possession Certificates and Consent letters of new heirs of late Smt Mymuna)
- d. Detailed Green belt development plan
- e. Revised EMP and budget (as suggested during field inspection)
- f. Revised project cost incorporating revised EMP budget
- g. Detailed Project Report on the Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.
- h. Revised biodiversity assessment with quantification separately for the core and buffer areas.
- i. A Recent survey map showing distance to residential/public buildings, inhabited sites, canals, roads, electric lines, mobile towers, religious places etc., within 200 m. radius of the lease boundary certified by the Village Officer.
- j. Biodiversity summary in tabular form
- k. Detailed water level measurement data of nearby open wells with geo coordinates.

22. SIA/KL/MIN/92227/2019 , 1215/EC2/2019/SEIAA

Proposed Granite (Building Stone) Quarry of Mr. Mohammed , K.K. with lease at Survey No. 459 & 457/13in Kavanur Village, Ernad Taluk, Malappuram District, Kerala for an extent of 2.1315 Ha (Field Inspection Report received) (Complaint received from Smt.Amina Kanayangodan, Shri.Ummer Kanayangodan &Smt. Ayishabi.C)

Decision: The Committee discussed and accepted the Field Inspection Report and decided to direct the proponent to submit the following additional documents/details:

- a. Compensatory afforestation Plan
- b. Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

23. SIA/KL/MIS/142842/2020 , 1741/EC3/2020/SEIAA

Environmental Clearance of the proposed Residential Building Project ‘Jains Marine Bay’ at Re. Survey No. 281/7-2,280/5-2,280/4,281/8-2,281/5-2,281/73,280/83,281/13,280/32,280/2,281/3,281/4, 281/22,281/114,281/93, 281/152,281/162,280/7, 281/1,281/18,281/12,281/19,281/6-2,280/6 at Mulavukad Village, Kanayannur Taluk, Ernakulam District’ (Field Inspection Report received)

Decision: The Committee discussed the Field Inspection Report and decided to direct the proponent to submit the following additional documents:

- a. Details of Tertiary Treatment Unit proposed, with pre-treatment facilities such as, PSF and PCF (in continuation to the primary and secondary type of treatment of sewage with modified type of ASP), for establishing 98 KLD STP, in order to ensure quality of treated water, fit for re-use /recycle for flushing / gardening/ fire fighting / HVAC make up water / recharge of local ground water.
- b. Provide a plan for treatment of biodegradable waste, as the capacity or the number of BIOBIN proposed is not adequate for treating biodegradable waste generated in the unit.
- c. Propose sufficient covered on-site storage area, for non-degradable waste generated for atleast 30 days and provide additional space for storage of Hazardous Waste and E- waste.
- d. Earmark a convenient location in the site plan, with sufficient covered storage space, for non-degradable solid waste (dry waste), least 30 days storage space, storage space for hazardous waste and E –Waste for ensuring hygienic storage and with plan for periodical handing over of the same to Recyclers/ Local body/Vendors.
- e. Provide a storm water drainage plan of the area, considering soil filling of project area with more than 0.50 m height, and considering the levels of the adjoining areas.
- f. Submit a Plan for energy conservation or anticipated power savings through usage of energy saving of 5 star rating equipment such as Solar Geyser and LED lamps.
- g. Certificate from competent authority that the site is not falling within CRZ restrictions, as the area is situated in an Island land, with water body nearby on two sides.
- h. Certificate from competent authority that construction of building at the project site is allowable, as the site is situated near to Mangala Vanam , Ernakulam.

- i. Give details of pumping test conducted, in the available Bore well at the proposed site, for knowing yield, zone of influence of well and aquifer response, while pumping.
- j. Details / Plan/ Undertaking for establishing two line plumbing system, for ensuring reuse of treated waste water for flushing and use of water efficient/conserving plumbing system.
- k. Undertaking that action will be taken for ensuring to plan a climate responsive design as per Green Building Guidelines and that the exposed roof area and covered parking will be covered with material having high solar reflective index.
- l. A properly designed Plan for planting of local species of trees including Fruit Bearing Trees in the Green Belt area / open space, compensatory afforestation area/ children play area, including avenue plantations. Also an undertaking that vegetation will be provided appropriately on the ground, over built structure such as roofs, basements, podiums etc, to the maximum extent possible. This may be prepared with the help of experts.
- m. Proposal for planting Mangrove associate species in the nearby areas.
- n. Undertaking that action will be taken for ensuring that the building design will cater to the differently-abled citizens.
- o. Undertaking that action will be taken for ensuring that the design of the building will be done in compliance to Energy Building Code as applicable.
- p. Revise the CER Plan after conducting a more detailed study on the needs of the locality. Detailed Project Report on the Revised 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 instead of allocation of funds under CER. The CER activities incorporated in the EMP should be undertaken during the first two years of validity period of the EC so as to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

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

1. **SIA/KL/MIN/170676/2020 , 147/SEIAA/EC4/2748/2013
Building Stone (Minor Mineral) Mining Project of M/S Aswathy Granites Pvt. Ltd. at Survey No. 111/3pt, 110/8,112/4, 111/4pt, 111/5pt, 113/2, 112/5,112/1- 1, 112/1-2, 112/8-1, 112/8-2, 112/8-3, 112/2 and 112/7 of Koodal Village, Kalanjoor Panchayat, Konni Taluk, Pathanamthitta District, Kerala(Field Inspection Report received)**

Decision: Deferred for detailed scrutiny.

CONSIDERATION OF TOR PROPOSALS

1. **SIA/KL/MIN/38577/2019 , 1402/EC2/2019/SEIAA
Environmental Clearance for the Amala Granite Building Stone Quarry (2.4929 Ha) in resurvey numbers Re - Survey Nos. 14/6(P), 14/7(P), 14/8(P), 14/9(P) and 14/10(P) Parlikkad Village, Thalappilly Taluk, Thrissur District, Kerala (Field Inspection Report received)**

Decision: The Committee discussed the Field Inspection Report received and decided to direct the proponent to submit revalidated mining plan with detailed mineable reserve estimation.

2. **SIA/KL/MIN/39525/2019 , 1411/EC1/2019/SEIAA
Granite building stone quarry of Shri. Hussain situated at Re.Survey. No.19/2 of Village- Koodathayi, Taluk – Thamarassery, District – Kozhikode, Kerala over an area of 0.2068 Ha (Field Inspection Report received).**

Decision: The Committee discussed the Field Inspection Report and decided to reject the proposal since the material for mining as proposed in the mining plan is mostly extracted unauthorizedly including from the portion of the buffer zone at places. Therefore, the application cannot be proceeded and the same should be informed to the Department of Mining and Geology.

**Dr. C. Bhaskaran
Chairman, SEAC**

**Suneel Pamidi, IFS
Secretary, SEAC**