

**MINUTES OF THE 124th MEETING OF THE SEAC KERALA HELD
DURING 24 -27,AUGUST, 2021 AT THE CONFERENCE HALL, STATE
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
THIRUVANANTHAPURAM**

PARIVESH FILES

PART 4

1. SIA/KL/MIN/128945/2019 , 1534/EC3/2019/SEIAA

Granite Building stone quarry of “Shri.N.J James, Managing Partner, M/S. Neerakkal Granites, Sy.No: 74/2 in Elanji Village, Muvattupuzha Taluk, Ernakulam 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. Photo showing that the pillars are permanently fixed.
- b. Revised survey map showing distance to house/public structures from nearest project boundary within 200 m radius.
- c. Affidavit agreeing to use vehicles of smaller capacity for transporting granitestones
- d. Revise the project with detailed breakup of the project cost
- e. Revised CER Plan with physical details of proposed activities and revised EMP budget incorporating all components.
- f. Detailed compensatory afforestation plan (between BP1 and BP2 instead of BP2 and BP3 suggested in the 120th meeting of SEAC) taking into account the trees to be cut from the project area. The rubber trees in the project area should also be considered while preparing the compensatory afforestation plan.
- g. 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. Compensatory Afforestation between BP2& BP3
- i. Detailed water level measurement data of nearby open wells with geo coordinates.
- j. 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.
- k. Revised biodiversity assessment with quantification separately for the core and buffer areas.

2. SIA/KL/MIN/129061/2019 , 1531/EC3/2019/SEIAA

Granite Building Stone Quarry Project of Shri.Sabu Varghese, Managing Partner, St.Kuriakose Granites in Block No. 41 Survey No.298/4,298/18 at Thiruvaniyoor Village, Kunnathunad 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 documents/details:

- a. Revised survey map showing distance to house/public structures from nearest project boundary within 200 m radius
- b. Proposal to widen approach road and revised project cost incorporating the additional cost.
- c. Detailed compensatory afforestation plan,
- d. Physical details of proposed CER activities and revised EMP budget incorporating all relevant environment management activities.
- e. An affidavit to limit water column in the resultant quarry pit to 5 M and to ensure suitable mechanism allowing overflow of excess water.
- The District Geologist, Mining & Geology Department, Ernakulam may be informed about the suspected extraction of mineral by M/S Mariyam Granites of Sri Saji Elias from area outside their quarry (adjacent to old quarry area)

3. SIA/KL/MIN/129508/2019 , 1528/EC1/2019/SEIAA

Proposed Granite Building Stone Quarry of Shri. Muhammed Hashim in Re-Survey Nos. 22/2-2pt & 22/3pt Pazhavangadi Village, Block No:-10 of Ranni 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. Overburden dump locality to be shifted to a lower and flat terrain. The proponent should submit a map of the new location
- b. Observation well details / data with their geo co ordinates
- c. Proof of the replaced new concrete boundary pillars (photos)
- d. A compensatory afforestation plan with native species and an affidavit from land owner with survey numbers of the proposed land.
- e. Revised CER with physical details (measurements of the components),prepared in consultation with the Local Self Govt. based on the needs of the local people, integrated to EMP. The one submitted is not acceptable.
- f. The revised EMP should be added to the project cost
- g. Correction to be made in Form 2 regarding project cost
- h. Revised biodiversity assessment with quantification separately for the core and buffer areas.
- i. Mine production plan for the entire mine life

- j. A new drainage plan with garland drains bordering the benches inside the lease area; the map should show how it get connected to Madatharuvi. The position of clarifiers also should be marked on the map
- k. The consent of the land owner Shri Milen Boban is to be submitted

4. SIA/KL/MIN/129623/2019 , 1537/EC3/2019/SEIAA

Granite (Building Stone) Quarry at Re Survey No. 397, Block No: 64 in Elankur Village, Ernad Taluk, Malappuram District, Kerala State for an extent of 3.2636 Ha by M/S Manjeri City Infrastructures and Developers (**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. OB location should be shifted to lower level flat terrain , outside boundary with proper protection. The OB dumping site to be indicated on a map and submitted
- b. A compensatory afforestation plan with native species to be submitted. An affidavit to this also to be given
- c. CER-Physical details required, need to be integrated with EMP and then to be added to the total cost.
- d. The proponent should up load the mine plan
- e. Proper correction in the application Forms 2 and 1M to be made regarding revised project cost
- f. Production details of entire mine life to be given

5. SIA/KL/MIN/129749/2019 , 1553/EC2/2019/SEIAA

Granite Building Stone Quarry of M/S 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 (**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend issuing EC with a project life of five years and with the following specific conditions:

- 1. Farm shed should be demolished
- 2. Compensatory afforestation with native species.

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

Environmental Clearance for Granite Quarry - Shri. P.V. Santhosh, Block No. 29, Re Survey No. 288/1-1, 288/1-2, 287/2, 288/3, Mazhuvannoor Village, Kunnathunad Taluk, Ernakulam District.(**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend issuing EC with the project life of five years and with the following specific conditions:

- a. Approach road should be widened before mining.
- b. Top soil near BP7 should not be disturbed.

7. SIA/KL/MIN/133526/2019 , 1734/EC3/2020/SEIAA

The building stone quarry owned by Shri. Binoy Jose is situated at Re-Survey Nos. 223/2pt and 227/1pt over an extent of 1.6939 Hectares at Alakode Village, Thodupuzha Taluk, Idukki 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. A revised site-specific garland canal drainage system with silt traps. General overland flow during monsoon must be considered while designing the drainage system.
- b. An affidavit to protect natural drainage channel on the eastern boundary of the project.
- c. Details of approach road widening with its budget.
- d. Physical details of CER activities under health care
- e. Revised EMP budget incorporating all relevant activities.
- f. Revised project cost incorporating changes in EMP budget and the cost for road development.
- g. Ultimate depth of the mine at conceptual stage must be limited to 10 m below the lowest ground level of the project
- h. A drainage channel from the quarry pit to the nearest natural drain must be constructed to maintain maximum depth of water column in the quarry pit at 5 M.
- i. Proof of permanent fixing of concrete pillars and fencing on all sides.

8. SIA/KL/MIN/134188/2019 , 1581/EC2/2019/SEIAA

Building Stone Quarry of M/S NAT Industries, at Re Sy Block No: 39, Re Sy No: 178/8,173/4-5,173/4-6,173/4-25,173/4-30,173/4-1, Chadayamangalam Village, Kottarakkara, -Kollam, State- extent of 1.8109 **(Field inspection report received)**

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

- a. New over burden (OB) dumping site marked on map. If the dumping site is not owned the proponent, submit the consent from the owner

- b. Observation well details / data
- c. Proof of the replaced new concrete boundary pillars (photos)
- d. A compensatory afforestation plan with native species and an affidavit.
- e. Affidavit from the proponent that the approach road to the quarry has the width of 8 m
- f. Survey map showing all structures within 200 m from the boundary
- g. CER with physical details (measurements of the components)
- h. Remarks on the complaint received in SEIAA. (The complaint has to be forwarded to the proponent from SEIAA).

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

Proposed granite building stone quarry of Shri.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 District, Kerala State (**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend for Field Inspection.

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

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

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend the issuance of EC for 3 years with project life of 3 years subject to the following specific conditions:

- 1) Maximum depth of mining must be limited to 4.5 m bgl
- 2) Mining must be done in 2 m benches
- 3) Top soil and laterite waste must be dumped in designated place only
- 4) Natural slope must be maintained to ensure uninterrupted drainage
- 5) Mined out area must be refilled with top soil removed and used for agricultural purposes.

11. SIA/KL/MIN/145130/2020 , 1664/EC1/2020/SEIAA

Application for Environmental Clearance for the Granite Building Stone Quarry project in Survey Nos. 2/3 & 3/2at Shoranur II Village, Ottappalam Taluk, Palakkad District, Kerala by Sri.Dilip Kumar K, Managing Partner, M/S Capital Granites (**Field inspection report received- for ratification**)

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

- a. Retaining wall shall be constructed on downward side to prevent rolling of boulders outside the dumping area and also to prevent inadvertent entry by persons or animals.
- b. Equivalent area must be found out for planting trees to compensate buffer area falling along the South East corner of the site.
- c. A recent survey map showing buildings within 200m from Village Officer is to be uploaded.

12. SIA/KL/MIN/150010/2020 , 1627/EC4/2020/SEIAA

Laterite building stone quarry project of Shri.Moyimonul Rasheed over an extent of 0.9919 Ha in Re Sy No- 44/1, 41/1 of Thalikulathur Village, Kozhikode Taluk, Kozhikode District, Kerala(**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend the issuance of EC with project life of five years subject to the following specific conditions:

- a. The validity of EC may be limited as per the mine plan but the quantity to be extracted may be limited to a total of 40,075 MT only.
- b. The overland drainage channel will have to be laid prior to the commencement of mining as per the plan and details submitted and it should be managed with utmost care by preventing any obstructions to the flow and periodical removal of the silt deposited.
- c. Sprinkling of water should be done on the un surfaced road prior to each movement of truck.
- d. The proponent should undertake a phased restoration and shall complete this work along with the completion of the mining operations. As it is a fully exposed, elevated hard terrain, a Horti-Sylvi approach with initially fast growing trees like Subabul on the overburden followed by a cashew or bamboo plantations is recommended. The filled-up pits with the waste/OB materials to be covered with freshly removed soil mixed with sufficient organic matter to ensure fast raising of the plantation.

13. SIA/KL/MIN/151675/2020 , 1709/EC6/2020/SEIAA

Granite Building Stone Quarry of M/S. Peacock Rock Products over an extent of 1.937 Ha. in Re- Sy. Nos. 26/9, 26/13, 26/10 & 26/11 of Wadakkanchery Village, Thalappilly Taluk, Thrissur District, Kerala State, India. (**Additional Documents received**)

Decision: The Committee discussed the additional details submitted by the proponent. The Committee directed the proponent to upload the relevant documents of his proposal as he has uploaded the documents pertaining to another proposal.

14. SIA/KL/MIN/158794/2020 , 1835/EC6/2020/SEIAA

Granite Building Stone Quarry of Shri. Shabeerali at Re Survey No 383/1 & 385 of Village – Panthallur, Taluk – Eranad, District – Malappuram, Kerala for an extent of 1.8112 Ha(**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The processing at the SEAC level has been completed. As per the judgment of the Hon'ble High Court of Kerala dt 21.12.2020, the Committee decided to await the NGT order on the minimum distance criteria.(Nearest house 125.4 m., Project life 10 years)

15. SIA/KL/MIN/161364/2020 , 1765/EC6/2020/SEIAA

Laterite building stone quarry with Permit at Re Survey No. 2/3-105, 2/3-102, 2/3-108, 2/3- 106& 2/3-103 of Irimbiliyam village , Tirur Taluk, Malappuram district, Kerala State for an extent of 0.7752Ha (**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. Lithosection (max 10 m)
- b. Groundwater level
- c. Provide temporary benches of 2m at 3m depth for safe mining (Sketch and affidavit to be submitted)
- d. CER component in the EMP should be beneficial to the stakeholders and accountable.

16. SIA/KL/MIN/161510/2020 , 1770/EC6/2020/SEIAA

Laterite building stone quarry with Permit at Re Survey No. 2/3-16 & 2/1-45 of Irimbiliyam village , Tirur Taluk, Malappuram district, Kerala State for an extent of 0.2958 Ha Owned By Shri. Subair.O.K (**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. Lithological section (max 10 m)
- b. Groundwater level details of the nearby well with geo coordinates
- c. Provide temporary benches of 2m at 3m depth for safe mining (Sketch and affidavit to be submitted)
- d. CER component in the EMP should be beneficial to the stakeholders and accountable.

17. SIA/KL/MIN/163854/2020 , 1773/EC1/2020/SEIAA

Granite Building Stone Quarry of M/S Delta Aggregates & Sand Pvt. Ltd. at Survey. Nos.889/1-15-1 & 889/1-15, Perunad Village, Ranni Taluk, Pathanamthitta 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. All boundary pillars should be replaced with concrete pillars with coordinates written on them and photos submitted.
- b. A traffic plan needs to be submitted along with consent from Harrison's plantations to widen the road to 8 m and an affidavit from the proponent to be submitted.
- c. OB location should be shifted to lower level, outside the boundary and this location should be marked on a map and submitted
- d. A drainage plan with the channels connecting to the nearest natural drains should be submitted. The position of clarifiers should be marked on the plan to ensure that the water reaching the nearest natural drain is clear. Kakkatar is only about 500 m away from the boundary and special measures should be suggested to prevent any kind of water pollution.
- e. Afforestation details are required. A compensatory afforestation plan also to be submitted with details of land and plants
- f. Detailed Project Report on the Revised EMP incorporating the specific CER activities
- g. 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. A CER proposal for the livelihood/development of the Tribal communities, especially for the Malappandaram community of Perunad Panchayat, is to be developed in consultation with Vanavakasa Samithy and Panchayat.
- h. Revised biodiversity assessment with quantification separately for the core and buffer areas. Biodiversity summary in tabular form also required
- 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. Detailed water level measurement data of nearby open wells with geo coordinates and distance to the wells from the boundary.
- k. Since the proposed site only 6.5 km from PTR, Wildlife Clearance from National WildLife Board is required. Upload the application details.

18. SIA/KL/MIN/169050/2020 , 1785/EC3/2020/SEIAA

Ordinary Earth Mining Project of Mrs.Anu J Kadavan, over an extent of 0.5685 Ha in Re Sy No-406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala. **(Field inspection report received)**

Decision: The Committee discussed the Field Inspection Report. The Additional documents have been verified by the sub- Committee during the field visit and found satisfactory. The Committee decided to direct the proponent to submit the following documents in the PARIVESH Portal:

- a. ADS asked in the 120th and 122nd SEAC meetings must be uploaded in PARIVESH

19. SIA/KL/MIN/179449/2020 , 1814/EC3/2020/SEIAA

Ordinary Earth Mining Project of Shri.Mathachan P.J, over an extent of 0.9692 Ha in Re Sy No-440/1-2, 440/12-2, 440/2-2-2-2, 440/2-2-2 of Aikaranadu North Village, Kunnathunad Taluk, Ernakulam 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. Site specific drainage map
- b. Fresh work order for the excavated earth from the end user
- c. Details of CER activities

20. SIA/KL/MIN/45413/2019 , 1634/EC3/2020/SEIAA

Granite Building Stone Quarry at Survey No. 30711,A/614/5 of Kottapady Village of Kothamangalam Taluk of Ernakulam District, Kerala in an extent of 0.9843 Ha by Smt. Mary Elias (**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. Letter of competent authority regarding distance to Thattekkad bird sanctuary.
- b. Area and permit details of three non- working and one working quarry mentioned in the cluster certificate (certificate from Mining & Geology Department)
- c. Lat- long details to be written on boundary pillars and submit its photo.
- d. A new air quality measurement data
- e. Detailed compensatory afforestation plan and map
- f. Revised EMP budget allocating enough funds for all activities.
- g. Revise project cost
- h. Details of approach road to the quarry site

21. SIA/KL/MIN/61795/2019 , 1894/EC6/2021/SEIAA

Building Stone Minor Mineral Mining (Quarry) project of Shri. Manoj K. at Kannamangalam Village, Thirurangadi Taluk, Malappuram District, Kerala for an area of 0.9524 hectars. (**Additional Documents received**)

Decision: The Committee discussed and accepted the additional details submitted by the proponent. The Committee decided to recommend for Field Inspection:

22. SIA/KL/MIS/209935/2021 , 1896/EC1/2021/SEIAA

Environmental Clearance for the proposed building construction project as part of development of IT/ITES campus (Phase-1) to be developed by M/S Tata Consultancy Services Ltd. (Green Building Certificate)-(Field inspection report received)

Decision: The Committee discussed the Field Inspection Report and decided to recommend the issuance of EC with project life of five years subject to the following specific conditions:

- a. Prepare and implement a Comprehensive Master Plan for the whole land, available with TCS, including the present proposal, after considering future Development needs, providing sufficient open areas, greening strips/ Pachathuruthu, Miyawaki micro forest, sewer lines, storm water drainage systems, road network etc.
- b. Provide sufficient water treatment facility for Roof Top / surface runoff /Rain Water harvested, from the compound, for ensuring recycle/ reuse, within the compound.
- c. Establish a roof top Rain Water Harvesting (RWH) System, with a storage and treatment unit of 250 KL capacity for reducing intake of domestic water from KWA.
- d. Implement a Scientific Storm Water Drainage Plan based on topography, underneath clay deposits, percolation rate, future development plans, and storage capacity of pond of 10 ML, in a 1.55 acres of land, as proposed in the EMP.
- e. Ensure reusing of Rain Water to the maximum extent possible, by avoiding Soak Pits proposed, considering the Clayey Strata, of sub soil of the project area.
- f. Establish a Sewage Treatment Plant (STP) of 240 KL/day capacity, with treatment of primary, secondary with MBBR and tertiary with Ultra-filtration Units, followed by disinfection for, ensuring reuse of treated water for flushing, horticulture and AC cooling make up water.
- g. Provide proper facilities for management of excavated soil / cutting of earth made at the site, of about 95,250 cu.m. Action shall be taken for utilising excavated soil of 48,200 cu.m, for backfilling purposes, earth of 10,700 cu.m, to be preserved for landscaping purposes and balance excavated earth of 36,350 cu.m as proposed to be temporarily stored and stacked in the campus.
- h. Provide treatment facility for Biodegradable waste of capacity, 413 kg/day using the Organic Waste Converter (OWC), with capacity of about 500 kg/ day and link it with EMP for compliance monitoring.
- i. Ensure a tree plantation programme, as part of compensatory afforestation programme, the project, for plantation 1400 trees, as per MoEF & CC norms and additional number of planting of trees, as specified in the KMBR .
- j. Establish a properly designed Plan for planting of local species of trees in the green belt area / open space, compensatory afforestation area, possibility for providing a Pachathuruthu, Miyawaki micro forest / Afforestation within the area, including avenue plantations.

- k. Action shall be taken for implementing, at least, one component fully of the Ananthanchira Water Supply Scheme, by the TCS, utilising the above proposed amount, in consultation with Local Body and KWA.
- l. Establish onsite solar power generation by using roof top solar panels, for generating. Energy at least 10 %, instead of 7 % proposed, of total electrical demand, and link it with EMP.
- m. Action shall be taken for utilisation of excavated balance quantity of soil / clay of 36,350 cu.m. Out of the total excavated earth / soil / clay of 95,250 cu.m, soil of 10,700 cu.m, shall be utilised for landscaping purposes and soil of 48,200 cu.m shall be utilised for backfilling purposes. Action shall also be taken for utilising the balance quantity of soil/ clay of 36,350 cu.m.appropriately in consultation with the Government, as the soil of the area is a precious industrial resource, and avoid the proposal of stacking it in the compound, as it may deteriorate the quality of storm water collected from the area during the operation phase.
- n. Action for spending at least 1.5% of project cost, amounting to Rs 5.595 crore, in the community augmentation plan, as part of Corporate Environment Responsibility (CER), and the proposed activities, shall be as follows.
- Ananthanchira Drinking Water Project : Rs 1,00,00,000/
 - Well recharge : Rs 1,60,00,000/
 - Renewable Energy : Rs 55,00,000/
 - Enhance the facilities of Govt. L P / U P Schools: Rs 57,00,000/
 - Enhance the facilities of Family Health Centre: Rs 87,50,000/
 - Support to the Travancore Heritage Backwater Tourism Circuit Project : Rs 1,00,00,000

Total: Rs. 5,59,50,000/

- o. Implement the CER plan and perform direct implementation of the components that are to be completed from the side of TCS, in each activity, instead of giving funds from the CER budget. Sufficient physical details of each of the proposed activities shall be linked with EMP in quantifiable terms, for ensuring compliance monitoring.

Dr. C. Bhaskaran
Chairman, SEAC

Suneel Pamidi, IFS
Secretary, SEAC