

**MINUTES OF THE 113th MEETING OF SEAC KERALA HELD ON
15th – 17th SEPTEMBER 2020 AT THE CONFERENCE HALL,
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
THIRUVANANTHAPURAM**

The 113th meeting of the SEAC KERALA was held online during 15th – 17th September 2020 observing all the lockdown protocols stipulated by the Government. The meeting started at 10.00 AM on 15th September 2020 with Dr. C. Bhaskaran, Chairman, SEAC KERALA chairing. The Chairman welcomed the members to the meeting. The Committee then moved on to the deliberations on the agenda items.

Physical Files

Item No.113.01 **Minutes of the 112th SEAC meeting held on 12th – 14th August, 2020**

Decision: Noted

Item No.113.02 **Application for Environmental Clearance for the proposed Granite Building Stone quarry project in Survey No. 82,76 and 1 of Kottur Village, Koyilandy Taluk, Kozhikode District, Kerala over an area of 4.811 ha. by Mr. Thomas Philip (File No. 2340/A1/2019/SEIAA)**

Decision: The Committee heard the President of the Kottur Grama Panchayat as well as Adv. Harish Vasudevan, the representative of a complainant. They agreed to submit their hearing notes.

Item No.113.03 **Quarry project in Survey No. 8/9, in Alakkod Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U.I. John, Managing Partner, M/s Marthoma Granites (File No. 1413(A)/EC1/2019/SEIAA)**

Decision: The Proponent and the Petitioner were heard. The clarifications sought are received. The clarification on the 3rd party audit and its acceptance by Mining & Geology

Department have to be examined by the Environmental Scientist, SEIAA. Further, a legal opinion may be sought from the Legal Officer, SEIAA regarding the applicability of OM dated.30.05.2018 of MoEF& CC, involving violation of the EIA Notification 2006. This may be examined in the light of the Order of NGT dated.21.12.2015 in OA No.168/15.

Item No.113.04 **Environmental Clearance forMasonry stone mine quarry in Survey No.59/1-1,86/4 in block number 79 in Koottikkal village, Kanjirapally Taluk, Kottayam District (2438/EC1/2019/SEIAA)**

Decision: The Proponent was heard. The Committee directed the proponent to submit a new proposal with new details.

Item No.113.05 **Environmental Clearance for the proposed Granite Building Stone quarry project in Survey No. 151/1 in Pulpatta Village, ErnadTaluk, Malappuram District,Kerala by Mr. Ajayyan, P. V. (File No. 1216/EC2/ 2019/SEIAA)**

Decision: The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Photographs showing the boundary pillars with Geo Co-ordinates.*
- 2) *Distance to the nearest building/house or any other constructed structure*

Item No.113.06 **Environmental Clearance for the proposed Granite Building Stone quarry project in Survey No280/4of Village-Thrikkalangode, Taluk Eranad, District Malappuram, Kerala by Mr. Musthafa, M. (File No. 1321/EC2/2019/SEIAA)**

Decision: The Committee entrusted Dr.S.Sreekumar & Dr.P.S.Easa for field inspection.

Item No.113.07 **Application for the EC for the proposed Granite Building Stone quarry project in Survey No 1/1B-319,1/1B-295, 1/1B-296,1/1B-322, 1/1B-323, 1/1B-321, 1/1B-320, 1/1B-329,Block No:5 in Pulamanthole Village, Perinthalmanna Taluk, Malappuram District, Kerala by Mr.Najeebali.M.K (File No-1323 /EC2/2019/ SEIAA**

Decision: The Committee entrusted Dr.S.Sreekumar & Dr.P.S.Easa for field inspection.

Item No.113.08

Application for Environment Clearance for the proposed Granite Building Stone quarry project in Survey No. 20 of Panakkad Village, Ernad Taluk, Malappuram District, Kerala by Mr. Kunnummal Ali Haji, (File No. 1290/EC2/2019/SEIAA)

Decision: The processing of the proposal at SEAC level is completed. However, the final decision will be taken by SEAC after the final disposal of WP(C) No.16367/2020 by the Hon'ble High Court of Kerala.

Item No.113.09

Application for EC for the proposed Granite Building Stone quarry project in Survey No B1-138, 303/1 of Vellayoor Village, Nilambur Taluk, Malappuram District, Kerala over an area of 0.5594 Ha. by Mr. Saleem Kunnummal (File No. 1382/EC2/2019/SEIAA)

Decision: The Committee decided to invite the proponent for presentation.

Item No.113.10

Application for ToR for the proposed quarry project in Re Survey No. 269/1-5, 269/1-2, 269/1-3 & 269/1-4, in Nediyruppu Village Kondotty Panchayath, Kondotty Taluk, Malappuram Dist. Kerala by Mr. Jaisal M P (File No. 1278/EC2/2019/SEIAA)

Decision: The Committee decided to approve the standard ToR along with the following additional ToR for carrying out EIA study:

- 1) *Impact on slope stability*
- 2) *Impact on natural drains*

Item No.113.11

Application for Environmental Clearance for the proposed granite building stone quarry project in Survey No. 368/1-2, 368/1-3, 368/2 & 369/1-1 (Block No. 24) of Vellilappally Village, Meenachil Taluk, Kottayam District, Kerala by Mr. Augustine Michael, Managing Partner, M/S Michael Granites. (File No. 1277/EC2/2019/SEIAA)

Decision: The Committee decided to direct the proponent to clarify the present status on the permanent injunction of Hon. Munsiff Court, Pala in this regard.

Item No. 113.12

Application for ToR for the proposed quarry project in Survey No. 80/3, 80/3, 80/5A, 80/1A2, 80/1A2, 80/1A3, 80/1A1, 80/1A2 of Palakkuzha Village, Muvattupuzha Taluk, Ernakulam District, by Shri. A. J. Babu. (File No. 1317/EC2/2019/SEIAA)

Decision: The processing of the proposal at SEAC level is completed. However, the final decision will be taken by SEAC after the final disposal of WP(C) No.16367/2020 by the Hon'ble High Court of Kerala.

Item No.113.13

Application for Environmental Clearance for granite building stone quarry in Block No.20, Re Survey No184, 184/2 in Vallichira village, Meenachil Taluk, Kottayam District. (File No 1334 /EC2 /2019/SEIAA)

Decision: The processing of the proposal at SEAC level is completed. However, the final decision will be taken by SEAC after the final disposal of WP(C) No.16367/2020 by the Hon'ble High Court of Kerala.

Item No.113.14

Application for Environmental Clearance of Granite building stone quarry in Block No.23, Survey No 334,345,345/1 in Ramapuram Panchayath, Vellilappally village, Meenachil Taluk, Kottayam District. (File No. 1354/EC2/2019/SEIAA)

Decision: The Committee entrusted Shri.K.Krishna Panicker & Smt.Beena Govindan for field inspection.

Item No.113.15

Application for Environmental Clearance for the Expansion of existing Hospital Buildings within the existing hospital complex of M/s Welcare Hospital in SyNos 865, 864/1, 864/2, 911/1, 867/1, 909/1, 909/2, 866/1, 864/2-5, 935/1-5, 935/1-4, Poonithura Village, Kochi Municipal Corporation, Kanayannur Taluk, Ernakulam District, Kerala. (File: No. 1384(A)/EC2/2019/SEIAA)

Decision: The Committee decided to recommend the issuance of EC subject to the following specific conditions in addition to the general conditions:

1. *Action for treatment of biodegradable waste especially not easily degradable part of waste should be done with onsite Aerobic Compost Unit./ Bio Bin type of compost unit Remaining quantity of easily biodegradable waste should be treated in the proposed Biogas plant.*
2. *Action for collection, storage and handing over of expired medicine, broken Mercury Thermo Meter, used needles and syringes, after proper segregated storage of such waste in colour coded containers with labels as specified in the Bio Medical Waste Management Rules 2016.*
3. *Action for providing proper leg operated colour coded Containers to be used for segregated storage of Biomedical Waste (Yellow, Red, White and Blue) as per the BMW Rules 2016 and Green coloured Container with lid for storage of General solid waste at all places for ensuring segregated Storage as per Rules.*
4. *Action for providing sufficient on-site storage facility for non-degradable waste by establishing a Material Collection Facility (MCF) of sufficient plinth area and at suitable location, preferably away from Biomedical Waste Storage Facility.*
5. *Action for providing sufficient number of wheel Barrows for internal transport of various type of Solid Wastes within the compound.*

Item No. 113.16

Environmental Clearance for the proposed construction of new institutional buildings within the existing institutional complex of Matha Amrithanandamayi Math K S Puram Village at Survey No. 1/4/2, 1/5/1, 1/5/1/2, 1/8/2, 1/9, 1/9/3, 1/9/1, 1/11, 1/12, 1/13/1/2, 1/13/1, 1/14, 5/1,6/4, 6/4/2/2, 6/4/2/4, 6/4/2/3, 6/5,6/6/2, 6/6/3, 6/8/2, (Clappana village Sy. No .371/3, 372/4, 372/5, 372/5/2, 372/6/1, 372/7, 372/9, 372/9/1, 372/9/2, 373/1, 373/2, 373/5/2/3, 373/7/2, 373/8, 373/9,373/11, 373/13, 373/14, 373/15, 373/16, 374/1, 372/2, 374/3, 374/4, 374/5/2, 374/6/2, 374/6/3, 374/7, 374/8/1/2, 374/9, 374/10, 374/11, 374/14, 374/15, 374/16, 374/17, 374/18, 375/6, 375/7, 375/8, 375/9, 375/10, 375/12/1, 375/15, 376/10, 375/4,372/1,) K.S.Puram and ClappanaVillage, KarunagappallyTaluk, Kollam District, Kerala of Swami Turiyamritanandapuri, Trustee & Authorized Signatory, M/s. AmrithaViswaVidyapeetham (FileNo.1295/EC1/2019/SEIAA)

Decision: The Committee discussed and accepted the additional details / clarifications submitted by the proponent. The Committee decided to recommend the

issuance of EC subject to the following specific conditions in addition to the general conditions:

- 1) The proponent has to plant one tree for every 80m². This comes around 1034 trees. While planting trees, local species to be selected.*
- 2) The proponent has to clean and protect all crisscrossing canals and ponds within the campus for excess storm water flow and ground water recharge. Adequate silt traps need to be provided to prevent soil runoff.*
- 3) Though building sites keep mandatory distance from the houses located there, the proponent has to take special care that the drilling for pile foundation excavation is not causing any damage to those houses.*
- 4) The proponent has to develop an environmental management plan in consultation with Harithakeralam Mission and Local Self Government Institutions to clean and protect the canals outside the campus and should be implemented with community participation.*
- 5) Proponent must ensure that Levelling, back filling and construction process would not result in any kind of water logging or flooding that affects the community living nearby.*
- 6) Climate responsive design as per Green Building Guidelines in practice should be adopted*
- 7) Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.*
- 8) Exposed roof area and covered parking should be covered with material having high solar reflective index*
- 9) Building design should cater to the differently-abled citizens*
- 10) Provide safe and healthy basic facilities for construction workers as per the Building & Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996*
- 11) Water efficient plumbing features should be adopted*
- 12) Design of the building should be in compliance to Energy Building Code as applicable*
- 13) Energy conservation measures including harnessing of solar energy should be adopted*

Item No:113.17

Environmental Clearance for the building stone quarry mining project in survey no.s 200/1C, Bellur village, Vellarikkundtaluk, kasargod district, Kerala by Mr.Nivin Ravi, Mg Partner,M/s

**Aidan Group, Building No.PP-X/283, Main road Peralassery
P.O, Mundalur,Kannur(1405(A)/EC1/2019/SEIAA)**

Decision: The processing of the proposal at SEAC level is completed. However, the final decision will be taken by SEAC after the final disposal of WP(C) No.16367/2020 by the Hon'ble High Court of Kerala.

Item No.113.18 **Application for environmental clearance for mining of Ordinary earth- in Sy.No.353/8, 353/9 at Arakkapadi Village, Kunnathunadu Taluk, Ernakulam District Kerala by Sri.P.A.Sainudeen (File No. 933/A2/2019/SEIAA)**

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

- 1) Obtain a fresh demand letter for the excavated material and give details about how the excavated earth will be made use of.*
- 2) An Affidavit from the applicant that the excavated earth will not be used for filling wetlands / paddy fields.*

Item No.113.19 **Environmental Clearance for the proposed Building stone Quarry project in Re.Survey No.1472/3(P) in Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala State by Mr.K.J. Baiju (File No. 1350/EC2/2019/SEIAA)**

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

- 1) The Biodiversity Assessment need to be redone with quantitative information.*
- 2) CER may be reworked with location specific proposals and necessary letters from the beneficiaries submitted.*
- 3) Application should be submitted in Form 1M.*

- 4) *Since the site falls within 10 km from the Protected Area, copy of application submitted for wildlife clearance certificate is required for processing.*
- 5) *Considering the gradient and topography of the proposed site three more silt traps must be constructed preferably between BP 2 and 3, BP 8 and 9 and BP 11 and 12.*
- 6) *Distance to the nearest building/house certified by the Village Officer.*

Item No.113.20

Application for Environmental Clearance for the proposed Granite Building Stone quarry project in Sy.No. 73/27 of Pullippadam Village, Nilambur Taluk, Malappuram District , Kerala over an area of 1.5209 Ha– by Mr. Noushad (File No. 1357/EC2/2019/SEIAA)

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

- 1) *Application in Form 1M.*
- 2) *The OB dumping site need to be protected with retaining wall. An affidavit to the effect should be submitted.*
- 3) *The access road may be widened to at least 7 m and an affidavit to the effect should be submitted.*
- 4) *The border pillars BP 3 and BP 4 should be firmly fixed to the rock strata. Photographs after fixing have to be submitted.*
- 5) *Distance to the nearest building/house as certified by the Village Officer.*

Item No. 113.21

Judgment dated 4.10.2019 in WP(C) No.31684/2016 filed by Mr.Tomy Thomas (File No.1255/EC4/2016/SEIAA) (Common Judgment in WP © 31684/2016, WP (C).15505/2016 &WP (C) 25529/2019)

Decision: The Committee noted the Judgement in this regard and decided to invite Shri.Tomy Thomas, Shri.Anil Kumar, K.G.& the Secretary, Grama Panchayat for hearing on 06.10.2020.

Item No.113.22

Change in year-wise production of mineral stipulated in Mining Plan and conditions contrary to KMMC Rules 1967, M/SAdaniVizhinjam Port Pvt. Ltd (File No.1200/EC2/2018/SEIAA)

Decision: As per the Proponent's requirement of building stones for completing the project by 2021, 7 lakh MT of hard rock quarrying was permitted. As per the submission from the project proponent now, the project is not completed and is extended upto 2023. The Secretary, Fisheries & Port Department, Govt. of Kerala vide Letter No. 134/E1/20/F&PD dated 18.08.2020 has requested that the application of the proponent may be re-examined and a decision be taken in the best interest of completing the project. Since the requirement of 7 lakh MT of stones originally requested from that particular site (Nagaroor) for completion of the project by 2021 need not be enhanced if the reason is mere extension of the period of completion to 2023. Therefore, the actual reason for the requirement of additional quantity with documentary evidence should be given by the proponent. Since it is a priority project of the Govt. of Kerala as per the Govt. letter above, the proponent has to address these immediately.

Item No.113.23

Streamlining the collection of CER funds and utilization of the same for the implementation of CERactivities in the field (File No. 713/A1/2020/SEIAA)

Decision: The Committee considered the proposals and decided to entrust Dr.N.Ajith Kumar & Smt.Beena Govindan to prepare a draft in this regard for discussion and approval by the Committee.

Item No.113.24

General decision 1 of 97th SEIAA meeting - To Review the list of general conditions prescribed while issuing Environmental Clearance (File No. 3583/A1/2019/SEIAA)

Decision: The Committee decided to request the members to comment on the matter within a week.

Item No.113.25

Application for environmental clearance for mining of Laterite stone in Re.survey.No.384/1, Block No.13 of Muthuvalloor Village, KondottyTaluk, Malappuram District, Kerala by Sri.Sidheeq.T.P, Malappuram (File No. 1345/A2/2019/SEIAA)

Decision: The processing of the proposal at SEAC level is completed. However, the final decision will be taken by SEAC after the final disposal of WP(C) No.16367/2020 by the Hon'ble High Court of Kerala.

PARIVESH FILES

AGENDA -1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/125065/2019, 1496/EC2/2019/SEIAA

“Granite Building Stone Quarry of Shri.Biju Varghese” over an extent of 3.6570 ha.(9.0364 Acres) in Block No. 27, Re-Sy. Nos. 19/2, 19/6, 19/7, 20/1, 20/2, 20/3, 20/3-1, 20/3-2, 51/1, 51/2, 51/2-1, 51/2-2, 52/1, Ramapuram Village, Meenachil Taluk, Kottayam District, Kerala State, India.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *CER with letters from beneficiaries.*
2. *Tree cutting details.*
3. *500m radius land use map and also details of nearby paddy fields.*
4. *Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*
5. *Detailed ground water study report.*
6. *Original EC and mine closure certificate of the closed quarry near the proposed area.*
7. *Re-examine the EMP and justifiably enhance the budget for actions under EMP.*
8. *Overburden dumping site must be protected by gabion wall structure.*

The Committee also entrusted Shri.K. Krishna Panicker & Smt.BeenaGovindan for field inspection.

2. SIA/KL/MIN/125587/2019, 1492/EC1/2019/SEIAA

Environmental clearance for Granite building stone quarry of Mr. K.V. Mohammedali, for an extent of 1.3640 ha ,Re Survey No-1/4 in Vallapuzha village, Pattambi Taluk, Palakkad District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Detailed ground water study report*
2. *Overflow drainage plan.*
3. *Overburden site details (permission of the lease area).*
4. *CER with consent letters from beneficiaries*
5. *Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*

The Committee also entrusted Dr.S.Sreekumar & Dr.A.V.Raghu for field inspection.

3. SIA/KL/MIN/125685/2019, 1520/EC2/2019/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Sy. Nos. 1417/1, 1417/10, 1417/11, 1417/12, 1417/13 & 1417/14 of Kodakara Village, Chalakudy Taluk, Thrissur District., Kerala for an extent of 0.9700 ha under B2 category.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Approved Mining Plan.*
2. *Buffer zone should be specifically mentioned in the application form*
3. *Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*
4. *Overburden storage location with plan for protection and Drainage Plan.*
5. *500m radius land use map.*
6. *CER with consent letters from beneficiaries.*
7. *Upload Google image and submit photographs with boundary pillars.*
8. *Detailed biodiversity assessment report.*
9. *Management plan for preventing the possible breaching of nearby quarry ponds*
10. *Rework project cost.*

The Committee also entrusted Dr.S.Sreekumar & Dr.P.S.Easa for field inspection.

4. SIA/KL/MIN/125990/2019, 1519/EC1/2019/SEIAA

Environmental Clearance for Granite Building Stone Quarry of Mr.Ziyad.A.Lover an extent of 0.9162 ha.Re Survey No468/4,468/5,468/7,468/10,468/12,468/13,472/1 in Kilimanoor Village,ChirayinkeezhuTaluk, Thiruvananthapuram District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Drainage map with proper silt traps.*
- 2. Modified CER with consent letters from the beneficiaries and GramaPanchayat..*
- 3. Details of Tree cutting andplanting.*
- 4. Distance from the proposed quarry to the nearby houses/buildings*
- 5. Re-examine the EMP and justifiably enhance the environmental management budget*
- 6. Detailed Land Use/Land Cover map within 500m radius of the project site*

The Committee also entrusted Shri. G. Sankar& Er. M. Dileepkumar for field inspection.

5. SIA/KL/MIN/126088/2019, 1525/EC1/2019/SEIAA

Environmental Clearancefor the building stone quarry of Mr.Deepak,N.D. Managing Partner, M/s Quality Rocks at Survey Nos. 26/2,26/2,26/2,27/1,27/3 of Vaniyamkulam-2 Village, OttappalamTaluk, Palakkad District, Kerala Statefor an area of 0.9990 ha.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Revised project costwith break-up of all details including the EMP cost. EMP has to be revised.*
- 2. Modified CER with monitorable indicators and letters from beneficiaries and GramaPanchayat.*
- 3. Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*
- 4. Google image showing the distance to the nearest Protected Area.*
- 5. Geo-coordinates of nearby open wells and depth of water level.*

The Committee also entrusted Dr.S.Sreekumar & Dr.P.S.Easafor field inspection.

6. SIA/KL/MIN/126172/2019, 1527/EC1/2019/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri. K. M. Stephen” over an extent of 4.9003 ha.(12.1086 Acres) in Block No. 27, Re-Sy. Block No. 37, Re-Sy. Nos. 399/2, 399/2-1, 399/2-2, 399/2-3, 399/3, 745/2, 745/3, 745/4, 745/5, 745/7, 745/8, 745/9, 745/10, 745/11, 745/12, 745/13, 745/14, 746/1, 746/2, 746/2-1, Karimannur Village, Thodupuzha Taluk, Idukki District, Kerala State, India.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Detailed ground water study report.*
2. *Revised drainage map showing top soil dump and overflow path to nearest natural drain.*
3. *3) Details of Tree cutting and planting.*
4. *4) Modified CER with monitorable indicators and consent letters from beneficiaries and Grama Panchayat.*
5. *5) Detailed biodiversity assessment report with quantitative information.*
6. *Accreditation certificate of the laboratory who had taken up the work on environmental parameters..*

The Committee also entrusted Shri.K. Krishna Panicker & Er. M. Dileepkumar for field inspection.

7. SIA/KL/MIN/127053/2019, 1517/EC1/2019/SEIAA

Environmental Clearance for Building Stone Quarry of M/s Popular Granites over an extent of 0.7184 Ha. Survey No-114/pt, in Thirumittacode-II Village, Pattambi Taluk, Palakkad District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) Revised drainage map
- 2) *CER (location-specific and with monitorable indicators) and consent letters from beneficiaries and the Grama Panchayath.*
- 3) *Impact on mining 15 m bgl on nearby ground water sources*
- 4) *Proper land use map.*

The Committee also entrusted Shri. K. Krishna Panicker & Dr. A. V. Raghu for field inspection.

8. SIA/KL/MIN/127534/2019, 1554/EC1/2019/SEIAA

Environment Clearance for Category B2 project – KHONDALITE (Granite Building Stone), of Mr. Mathew Daniel over an extent of 02.2851 ha. in S.F.No. 340/1-26/3, 340/1-28/2, 340/1-30/1, 340/1/26-2, 340/1/26-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District,

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. CER (Must be Location specific and measurable) with consent letters from beneficiaries and Grama Panchayath.*
- 2. Hazard zonation map.*
- 3. Garland canal details and locate O.B. site.*
- 4. Detailed biodiversity assessment report.*
- 5. Details of Tree cutting and planting.*
- 6. Distance from the proposed quarry to the nearby houses/buildings.*

The Committee also entrusted Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection.

9. SIA/KL/MIN/127562/2019, 1522/EC3/2019/SEIAA

Environmental Clearance for Building Stone Quarry of Mr. Maneesh P Mohanan over an extent of 0.9394 at survey No.s 1110/1B-5, 1110/1B-10, 225/1A/14Pt, 225/1A/14Pt, 225/of Marady Village, Muvattupuzha Taluk, Ernakulam District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Revised Project cost and CER, which must be location- specific and monitorable.*
- 2. Distance from the proposed quarry to the nearby houses/buildings*
- 3. EC/permit of the existing quarry.*
- 4. Valid NABL certificate.*
- 5. O.B. site is to be relocated as it is located close to a house.*

The Committee also entrusted Dr. S. Sreekumar & Dr. N. Ajithkumar for field inspection.

10. SIA/KL/MIN/127997/2019, 1559/EC3/2019/SEIAA

Environmental Clearance for Building Stone quarry at SurveyNo.382/1,383/1,383/1,of Varappetty Village, Kothamangalam Taluk, Ernakulam District,Kerala for an area of 0.9958 ha.

Decision: The RQP was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Revised Project cost and CER, which must be location- specific and monitorable.*
- 2. Distance from the proposed quarry to the nearby houses/buildings or constructed structures.*
- 3. Revised mining plan.*
- 4. Recent cluster certificate.*
- 5. EC/ permit for the existing quarry.*

The Committee also entrusted Dr.S.Sreekumar & Dr.N.Ajithkumar for field inspection.

11. SIA/KL/MIN/128906/2019, 1524/EC2/2019/SEIAA

Quarry (Minor Mineral) project of M/s Mangalath Granites Kerala Pvt. Ltd. at Survey No.104/16,105/1,104/19,104/18,104/20 of Venganellur Village, Thalappilly Taluk, Thrissur District, Kerala for an area of 4.950 ha.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Clarification required regarding the details submitted in the authorisation.*
- 2. Drainage plan details and Overburden dumping site is to be shifted to a lower contour level.*
- 3. Affidavit regarding the area which is used as Overburden site.*
- 4. Revised CER with location- specific program and consent letters from beneficiaries and GramaPanchayath should be submitted.*
- 5. Application in Form IM*

The Committee also entrusted Dr.S.Sreekumar & Dr.P.S.Easa for field inspection.

12. SIA/KL/MIN/129374/2019, 1540/EC3/2019/SEIAA

Granite Building stone over an extent of 2.4109Ha in Re Survey Nos. 1/161-2,1/161-4, 1/161, 1/182-4, 1/45, 1/181-4 in Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala state of M/s Nilambur Sand And Metals Private Limited

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. Revised project cost.*
- 2. Distance from the proposed quarry to the nearby houses/buildings.*
- 3. Tree cutting and planting details.*
- 4. Garland canal map with proper silt traps.*
- 5. CER should be location-specific with monitorable targets and accordingly reworked and submitted.*
- 6. Detailed environmental sensitivity analysis of the project site and its vicinity as it is located close to moderate and high hazard zones*
- 7. The proposed site is encircled by landslide prone area and hence a certificate from the District Collector with regard to landslides that happened in the last 5 years has to be submitted.*

The Committee also entrusted Dr. R. Ajayakumar Varma & Dr.A.V.Raghu for field inspection.

13. SIA/KL/MIN/129673/2019, 1545/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite (Building Stone) Quarry in Re-Sy. No. 117/6 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.7800ha under B2 category.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1. NOC or document showing the validity of the present NOC.*
- 2. EC/ permit of the existing quarry.*
- 3. Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*
- 4. Locate the area in the Hazard Zonation Map.*

The Committee also entrusted Shri. G. Sankar&Shri. V.N. Jithendran for field inspection.

14. SIA/KL/MIN/129777/2019, 1561/EC1/2019/SEIAA

Environmental clearance for Granite building stone quarry of Mr. Haridasan T, for an extent of 0.9896 ha, Survey no 315 in Nagalassery Village, Pattambi Taluk, Palakkad- District, Kerala

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Revised and reworked CER (location-specific with monitorable targets).*
2. *Revised and reworked EMP cost.*
3. *500m Land use map.*
4. *Distance from the proposed quarry to the nearby houses/buildings.*

The Committee also entrusted Shri.K. Krishna Panicker & Dr.A.V.Raghu for field inspection.

15. SIA/KL/MIN/129987/2019, 1560/EC3/2019/SEIAA

Granite Building stone over an extent of 1.6489 Ha in R e Survey 79 in Kakkad Village, Kozhikode Taluk, Kozhikode District, Kerala state of Mr.P.M.Aboobacker

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Duly filled Form I M.*
2. *Revised and reworked CER (location specific with monitorable targets).*
3. *Mine closure plan.*
4. *Details of buffer zone*
5. *Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer*
6. *Revised EMP*
7. *Redraw garland drainage map and provide silt traps in appropriate places.*
8. *Certificate from the District Collector with regard to landslides that happened in the area in the last 5 years.*

9. *Project cost break-up has to be provided.*

The Committee also entrusted Dr. R. AjayakumarVarma & Dr.N.Anilkumarfor field inspection.

16. SIA/KL/MIN/130246/2019, 1582/EC2/2019/SEIAA

Environmental clearance for Granite Building Stone Quarry of Mr.K.VThaj over an extent of 0.9945 ha. Survey No 666,674,674/p,675,675/p in Perumpilavu Village, Kunnamkulam (Old Thalappilly) Taluk, Thrissur District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Recent cluster certificate.*
2. *Location specific CER with monitorable targets and year-wise split-up.*
3. *Detailed biodiversity assessment report.*
4. *Properly reworked drainage plan.*
5. *Distance from the proposed quarry to the nearby houses/buildings.*
6. *Management plan for preventing the breaching of nearby quarry ponds*

The Committee also entrusted Dr.S.Sreekumar&Dr.P.S.Easafor field inspection.

17. SIA/KL/MIN/134293/2019, 1583/EC1/2019/SEIAA

Environmental clearance for Granite Building Stone Quarry of M/s Kunjikuzhi Stones over an extent of 2.4229 Ha. Block No.29, Survey No 246/2,135/5- 2,139/1,139/2,139/5, in Manickal Village, NedumangadTaluk, Thiruvananthapuram District, Kerala.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Revised and Reworked CER.*
2. *Mine closure certificate.*
3. *Distance from the proposed quarry to the nearby houses/buildings.*
4. *NOC from KSEB.*

The Committee also entrusted Shri. G. Sankar & Dr.C.Bhaskaran for field inspection.

18. SIA/KL/MIN/43182/2019, 1479/EC2/2019/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri. Robin P.R” over an extent of 1.9480 ha.(4.813 Acres) at Survey No. 144/4 & 144/5, Kalpetta Village, Vythiri Taluk, Wayanad District, Kerala State

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Quantitative information regarding Flora and Fauna.*
2. *Distance from the proposed quarry to the nearest houses/buildings as certified by the Village Officer.*
3. *Map showing the distance to the nearby protected Area.*
4. *Environmental sensitivity analysis of the project site and its vicinity as it is close to a medium hazard zone*
5. *Certificate from the District Collector regarding the landslide events reported in the area in the last 5 years.*
6. *O.B.dumping site must be relocated from the position of present silt trap.*

The Committee also entrusted Dr. R. Ajayakumar Varma & Dr. N. Anilkumar for field inspection.

19. SIA/KL/MIN/43590/2019, 1476/EC2/2019/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri. Sudheesh A.T” over an extent of 0.9246 ha.(2.2846 Acres) at Sy No. 115/13 in Padichira Village, Sultan Bathery Taluk, Wayanad District, Kerala State

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Recent cluster certificate.*
2. *Details of wells and ground water table.*
3. *Certificate from wild- life warden regarding the eco sensitive zones near the proposed quarry site.*
4. *Distance from the proposed quarry to the nearby houses/buildings as certified by the Village Officer.*
5. *Provide necessary silt traps in the drainage plan.*

The Committee also entrusted Dr. R. AjayakumarVarma & Dr.N.Anilkumar for field inspection.

20.SIA/KL/MIN/44866/2019, 1505/EC3/2019/SEIAA

Environment Clearance for mining lease of "Granite Building Stone Quarry of Shri.Cherian K Jose' over an extent of 0.9845 ha. (2.4327Acres) at Sy Nos. 891/1A/100, 891/1A/82, 891/1A/82, 891/1A/82, 891/1A/82, 891/1A/38,Kadavoor Village, KothamangalamTaluk, Ernakulam District, Kerala State.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Revised and reworked CER.*
2. *Google image with boundary pillars.*
3. *Distance from the proposed quarry to the nearby houses/buildings.*
4. *Field specific drainage map*
5. *Details of open wells*
6. *EC/ permit of the existing quarry.*

The Committee also entrusted Shri.K. Krishna Panicker & Dr.N.Ajithkumar for field inspection.

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

Environmental Clearance for the building stone quarry at Re SurveyNo.284,Block No.22 of Malayattoor Village, AluvaTaluk, Ernakulam District, Kerala for an area of 0.7048 ha.

Decision: The proponent and RQP were present. The RQP made the presentation. The Committee directed the proponent to conduct the EIA study with standard TOR along with the following additional aspects

1. *Impact of the inundated quarry ponds and the breach potential*
2. *Slope stability of the site and its vicinity.*
3. *Certificate from the District Collector regarding the reported landslides in the area in the last 5 years.*

22 SIA/KL/MIN/45585/2019 , 1494/EC1/2019/SEIAA

Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re - Sy. No. 345/1, 340/2, 339/11, 340/4, 340/5, 339/2, 345/7, 345/9 of Pallikkal Village, Varkala Taluk of Thiruvananthapuram District., Kerala for an extent of 2.4925 Ha under B2 category of M/s Tasna Mines

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

1. *Approved Mining Plan*
2. *Application in Form IM.*
3. *Afforestation plan*
4. *District Survey Report.*
5. *Authenticated survey map indicating the houses, roads and other structures in the vicinity.*
6. *Detailed land use map within 500m radius*
7. *Location map of the project site overlaid on the Hazard Zonation Map of the district.*
8. *Map showing the overland drainage plan including garland drain, drainage inside the mine, silt traps, temporary storages required for water clarification etc.,*
9. *Detailed cost estimates for EMP, mine closure plan, afforestation plan and other environmental mitigation requirements.*
10. *Revised project cost taking into consideration the land cost, infrastructure requirement, cost required for EMP etc.,*
11. *Detailed CER plan in accordance with GOI guidelines and in consultation with local government which should include monitorable targets and locations.*
12. *Biodiversity assessment details using quadrats for quantitative information.*
13. *Detailed transportation plan taking into consideration the existing traffic, road density, road width and feasibility of operating about 65 trucks on a daily basis.*
14. *Feasibility report on the yield of the proposed well for the supply of 2 KLD water.*
15. *Proposal for arranging at least 10 KLD water on a daily basis and arrangement for three times of the storage for meeting the requirement of the environment management.*

23 SIA/KL/MIN/46108/2019, 1536/EC2/2019/SEIAA

Environment Clearance for mining lease of “Granite Building Stone Quarry of M/s. Pulpally Stone Crushers” over an extent of 2.4066 ha. (5.9467 Acres) at Re-Sy Block no. 17, Re-Sy Nos. 24/3, 24/4, 24/5, 24/8, 24/10, 24/11/1, 24/11/2, 24/14, 24/15,

24/16, 24/17, 24/18, 24/19 & 26/9, Muttill South Village, Vythiri Taluk, Wayanad District, Kerala State.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *MAP showing the distance from the nearest wild- life sanctuary*
- 2) *Revised CER*
- 3) *Specify and provide open wells monitoring details. Give geo co-ordinates of the observation wells.*
- 4) *Distance from nearest transformer.*
- 5) *Drainage and land use plan*
- 6) *Environmental sensitivity analysis of the site and its surrounding area considering the nearby medium hazard zone*

The Committee also entrusted Dr. R.Ajayakumar Varma and Dr N.Anilkumar for the field inspection

24. SIA/KL/MIN/46189/2019, 1523/EC3/2019/SEIAA

Environmental Clearance for the building stone quarry at Survey No. 185/3/2,186/1/8 of Maneed Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 0.9384 ha. of M/SMarymatha Granites.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Revised CER*
- 2) *Reworked project cost*
- 3) *Biodiversity plan for buffer zone and core zone separately.*
- 4) *Details of existing quarry with proof of EC/ permit.*
- 5) *Open well hydrology monitoring details with geo co-ordinates.*
- 6) *Environmental sensitivity analysis considering the terrain vulnerability*
- 7) *Environmental management plan including the cost required for its implementation*

The Committee also entrusted Shri. K. Krishna Panicker & Dr.N.Ajith Kumar for the field inspection.

25. SIA/KL/MIN/46290/2019, 1493/EC1/2019/SEIAA

Environmental Clearance for the Proposed Laterite (Building Stone) Quarry in Re-Survey No. 7/2 of Koppam Village, Pattambi Taluk, Palakkad District, Kerala for an extent of 0.3500 ha under B2 category.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) Locate the monitored open wells in map*
- 2) Provide a schematic vertical lithological section of the mine area.*
- 3) Limit the mining only up to 3m and revise the mining quantity accordingly.*

The Committee also entrusted Dr.S.Sreekumar&Dr. P.S.Easa for field inspection.

AGENDA - 2

1. SIA/KL/MIN/129719/2019 , 1315/EC2/2019/SEIAA

Environmental Clearance for the proposed Granite Building Stone Quarry with permit at Block No.62, Re-Survey No.25/1-2 in Thrikkalangode Village, Ernad Taluk, Malappuram District, Kerala State for an extent of 0.7747 Ha Under B2 Category

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Correct the total area according to the approved mining plan in Form 1 M.*
- 2) *Check and resubmit the stripping ratio.*
- 3) *Correction in drainage map and provide necessary silt traps and settling tank.*
- 4) *Hydrological details of water level in open well with geo co-ordinates.*
- 5) *Latitude & Longitude of monitored open well*
- 6) *Revised CER with location specific and monitorable targets*
- 7) *Rework biodiversity management plan*
- 8) *Corrected Form 1 M*
- 9) *Submit new cluster certificate.*

The Committee also entrusted Shri.K.Krishna Panicker & Dr.A.V.Raghu for field inspection.

2. SIA/KL/MIN/32452/2019 , 1481/EC3/2019/SEIAA

Building Stone Quarry (Minor Mineral) mining project of M/s Nattanpara Metals LLP is situated at Survey No. 1998 (Not final), Kanthalad Village, Thamarassery Taluk, Kozhikode District, Kerala in an area of 3.3910 ha.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Revised Project cost and CER cost*
- 2) *Detailed survey map*
- 3) *Revised EMP cost*

- 4) *Print out of the application submitted for wild-life clearance*
- 5) *Prepare buffer & core zones in biodiversity plan*
- 6) *Details of ground water levels with geo co-ordinates of the well.*
- 7) *Clarification on noise level data*
- 8) *Distance from the proposed quarry to the nearest house/building as certified by the Village Officer.*
- 9) *Landslide mitigation study with emphasis on whether this project will destabilise nearby High Hazard area.*

The Committee also entrusted Dr. R.AjayakumarVarma & Dr N.Anilkumar for field inspection.

3 SIA/KL/MIN/42946/2013 , 1473/EC3/2019/SEIAA

Expansion of existing building stone quarry (Minor Mineral) mining project of M/s Payyoli Granites Pvt. Ltd. is situated at Re-Survey Nos. 80/1A1, 81/2 of Keezhariyur Village, Re-Survey No. 72 of Thurayur Village, Koyilandy Taluk, Kozhikode District, Kerala for an area of 4.9237 ha.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Certificate from regional office of MoEF*
- 2) *GPS Map to be uploaded*
- 3) *Revise the EMP and cost required for its implementation*
- 4) *Rework the biodiversity details*
- 5) *Letters from the CER beneficiaries*
- 6) *Stripping ratio to be checked and corrected*
- 7) *Impact of mine on the nearby water tank.*

The Committee also entrusted Dr.R.AjayakumarVarma & Dr.N.Anil Kumar for field inspection.

4 SIA/KL/MIN/43053/2019 , 1498/EC3/2019/SEIAA

Granite Building Stone Quarry of Shri. K.K. Premkumar, over an extent 1.4621 ha. (3.6128 Acres) Sy Nos. 1/100,1 & 9 Tholambra Village, Thalassery Taluk, Kannur District, Kerala State.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) Environmental sensitivity analysis of the area considering the nearness of the site to high hazard zone*
- 2) Mitigation measures, if any to be suggested for nullifying the adverse impacts, if any, due to environmentally sensitive aspects.*
- 3) Write up on the afforestation plan*
- 4) Revised CER with location specific and monitorable targets*

The Committee also entrusted Dr.R.AjayakumarVarma&Dr.N.Anil Kumar for field inspection.

5 SIA/KL/MIN/43996/2019 , 1487/EC3/2019/SEIAA

Granite Building stone Quarry of Sri K Gangadharan, over an extent of 1.5110 ha. (3.7337 Acres) Sy. No. 57/2B2, Kolavallor Village, Thalassery Taluk, Kannur District, Kerala State

Decision: The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) Revised site-specific CER proposals with monitorable indicators*
- 2) A plan for green belt development.*
- 3) Recent cluster certificate*
- 4) O.B. dumping site should be included in the plan and submitted.*

The Committee also entrusted Dr.R.AjayakumarVarma & Dr.N.Anil Kumar for field inspection.

CONSIDERATION OF TOR PROPOSALS

1. SIA/KL/MIN/43351/2019 , 1506/EC2/2019/SEIAA

Granite Building stone Quarry of Mr. Shibu. S S/OSasidharan, shibunivas, Nettayam P.O,37/5-2,37/5-3,37/4-2,37/4-1,37/3-2-2, 37/3-1,37/3-2,37/13-1- 2,35/2-2,35/14, 35/15,35/15-2,36/3,36/2-2(Private Land) 35/13,36/4 Government Land with NOC Vellinalloor Village,KottarakkaraTaluk,Kollam District, Kerala for an area of 02.1252 ha

Decision: The proponent was present. The RQP made the presentation. The Committee decided to approve standard TOR along with additional terms given below for the EIA study. Committee also directed the proponent to submit the following documents/details also;

- 1) *Revalidated NOC*
- 2) *Revised cluster certificate*
- 3) *Land details*
- 4) *Hazard zonation map*
- 5) *Revised CER with location specific and monitorable targets*
- 6) *Detailed Land use plan within 500m radius of the project site*
- 7) *Traffic density and traffic management plan*

Additional terms for conducting EIA

1. *Impact of impounded quarry ponds and their breach potential*
2. *Impact on the slope stability of the region in and around the project site*
3. *Impact of additional traffic due to transportation of mine products*
4. *Impact of rehabilitation required, if any.*

2. SIA/KL/MIN/48074/2019 , 1543/EC3/2019/SEIAA

Granite building Stone quarry of Mr.Abdu Rahiman,A.C,in Re-Survey No.269/1,269/2 in Nediyrrippu Village,KondottyTaluk,Malappuram District, Kerala State for an extent of 2.2259 ha

Decision: The proponent was present. The RQP made the presentation. The Committee decided to accept the TOR proposed for the EIA study along with the special terms given below and directed the proponent to submit the following documents/details also;

- 1) *Revised CER based on the need assessment of the impact zone with specific focus on gender aspects*
- 2) *Hazard zonation map.*
- 3) *500m land use and land cover map*

Additional terms for conducting EIA

1. *Impact of impounded quarry ponds and their breach potential*
2. *Impact on the slope stability of the region in and around the project site*
3. *Impact of additional traffic due to transportation of mine products*
4. *Impact on the existing drainage adjacent to the project site including its supportive capacity for the possible augmented load*
5. *Impact on the nearby hazard zones*

3. SIA/KL/MIN/49680/2020 , 1590/EC1/2019/SEIAA

Granite Building Stone Quarry of Mr. EldhoIssac at -Sy. No208/1 of Alanallur Village, MannarkkadTaluk, Palakkad District of Kerala for an extent of 4.7023 ha under B2 category

Decision: The proponent was present. The RQP made the presentation. The Committee decided to accept the TOR proposed for the EIA study along with the following additional terms and directed the proponent to submit the following documents/details also;

- 1) *Landuse/Land cover map of the area covering 500m radius of the project site*
- 2) *Survey map indicating distance from the proposed quarry to the nearby houses/buildings*
- 3) *Detailed drainage map*
- 4) *Revised project cost*
- 5) *Revised CER with location specific and monitorable targets*

Additional terms for conducting EIA

1. *Impact on the slope stability of the region in and around the project site*
2. *Impact of additional traffic due to transportation of mine products*
3. *Impact of the overburden and mine waste dumping locations*
4. *Impact on the existing drainage*

5. *Impact on the nearby environmentally sensitive zones, if any.*

4. SIA/KL/MIN/49707/2020, 1667/EC3/2020/SEIAA

Environmental Clearance for Building Stone Project of Mr. P K Prasad, in re survey no. 281/10, 281/11, 281/11-2 of Mazhuvannur Village of Kunnathunadu Taluk, Ernakulam, Kerala for an area of 2.1235 Ha

Decision: The proponent was present. The RQP made the presentation. The Committee decided to accept the TOR proposed for the EIA study along with additional terms and directed the proponent to submit the following documents/details also;

- 1) *Biodiversity status to be assessed with quantitative details in the buffer and mining areas*
- 2) *Upload GPS map with boundary pillar locations*
- 3) *Upload valid accreditation status of the consultant*

Additional terms for conducting EIA

1. *Cumulative impact of the existing and proposed quarry as well as the old working ones in the impact zone*
2. *Impact on the nearby buildings as well as those located in the break-in-slope region of the impact zone, particularly in the WSW and Eastern side*
3. *Impact on the slope stability of the region in and around the project site*
4. *Impact of additional traffic due to transportation of mine products*
5. *Impact on the impoundments in the vicinity with focus on breach potential*

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

Building Stone Quarry (Minor Mineral) project of Mr. KADER BABU situated at Re Survey No. 111/4, 111/7, 111/8, 111/2, 111/10, 111/5, 111/6 in Kannamangalam Village, Thirurangadi Taluk, Malappuram District, Kerala in an area of 3.4739 ha.

Decision: The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details; The Committee also decided to accept the TOR proposed for the EIA study along with additional terms

- 1) *Revised project cost*

- 2) *Revised CER based on need assessment of the locality as well as the SC/ST farmers in the vicinity*

Additional terms for conducting EIA

1. *Cumulative impact of the existing quarries and proposed quarry as well as the old workings in the impact zone*
2. *Impact on the slope stability of the region in and around the project site*
3. *Impact of additional traffic due to transportation of mine products*
4. *Impact on the impoundments in the vicinity with focus on breach potential considering the rainfall intensity and magnitude for the last 5 years*

6. SIA/KL/MIN/40579/2019 , 1442/EC2/2019/SEIAA

Granite Building Stone Quarry of Mr. P.R Vijayakumar over an extent of 0.9907 Ha.
Re survey No 53/2 in Venganellur village, Thalappilly taluk, Thrissur. Kerala

Decision: The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) *Revised contour map*
- 2) *Revised CER plan with location specific and monitorable targets*
- 3) *Plan for protection of location for dumping overburden and mine waste*
- 4) *Plan for safe handling of rock boulders*

The Committee also entrusted Dr.S.Sreekumar & Dr. P.S.Easa for the field inspection

AGENDA – 3

1. SIA/KL/MIN/43381/2019 , 1580/EC2/2019/SEIAA

Granite Building Stone Quarry of Shri. Raghulan Pillai located in Re-Sy Nos. 354/1/305 & 354/1/305/236 Pt, Karavalur Village, Punalur Taluk, Kollam District, Kerala State over an extent of 1.9000 ha. (4.6949 Acres).

Decision: The proponent was present. The RQP made the presentation. The Committee decided to direct the proponent to submit the following documents/details;

- 1) Verify the scientific names of plants*
- 2) Check the presence of excess sulphur and provide details*
- 3) Google map*
- 4) Consent letter from the concerned*
- 5) Revised CER plan with location specific and monitorable targets*
- 6) Complete consent letters*
- 7) Clarification on the relatively higher noise levels indicating cultural noise but relatively lower air quality values*
- 8) Green belt development plan*

The Committee also entrusted Shri.G.Sankar & Shri.V.N.Jithendran for field inspection.

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

1. SIA/KL/MIN/124207/2019 , 1540/EC4/2019/SEIAA

Laterite Building stone quarry project of Suresh T, located in re survey no. 256/1 in Perumana Village, Kozhikode taluk, Kozhikode for total mine permit area of 0.5828 Ha

Decision: The Proponent was not present and hence the item was deferred.

CONSIDERATION OF TOR PROPOSALS

1.SIA/KL/MIN/48183/2019 , 1569/EC1/2019/SEIAA

Granite Building Stone Quarry of Mr. K Sadanandan, Managing Partner of M/s J & S Granites Company at Survey No: 148 ,147/10, 147/9, 147/8, 147/5, 147/4, 147/3, 147/2, 147/1, 149/4 of Vallicode Kottayam Village, KonniTaluk, Pathanamthitta District, and Kerala for an area of 6.0980 ha.under B1 category

Decision: The proponent was present. The RQP made the presentation.

The Committee decided to accept the TOR proposed alongwith the following additional terms for the EIA study and directed the proponent to submit the following documents/details also;

- 1) *Valid Accreditation certificate*
- 2) *Ownership details and consent details*
- 3) *Revised project cost*
- 4) *Detailed landuse/land cover map within 500m radius*
- 5) *Survey map indicating the distance to nearby houses and buildings*
- 6) *District Survey Report*
- 7) *Tree cutting details*
- 8) *Green belt development plan*
- 9) *Biodiversity assessment report*

Additional terms for conducting EIA

1. *Impact on the slope stability of the region in and around the project site*
2. *Impact of additional traffic due to transportation of mine products*
3. *Impact on the impoundments in the vicinity with focus on breach potential*
4. *Impact on the surface drains*

2. SIA/KL/MIN/36144/2019 , 1383/EC2/2019/SEIAA

TOR for mining lease of M/s. Thomsun Granites (Granite Building Stone Quarry) over an extent of 3.8563 ha.at Survey No. 125/5, 125/2, 125/8 & 137/14 (Part of Block No.6), Kodikkulam Village, ThodupuzhaTaluk, Idukki Dist. Kerala State

Decision: The proponent was present. The RQP made the presentation. The Committee decided to accept the TOR proposed for the EIA study alongwith the following additional terms. The Committee also decided the obtain the following additional documents

1. *Revised Project Cost*
2. *Drainage plan*
3. *Revised CER with location specific and monitorable targets*
4. *Detailed landuse/land cover map of the area within 500m radius of the project site*
5. *Survey map with distance to the nearby building and houses*
6. *District Survey Report*
7. *Green belt development plan*
8. *Hazard zonation map*

Additional terms for conducting EIA

1. *Impact on the slope stability of the region in and around the project site*
2. *Impact of additional traffic due to transportation of mine products*
3. *Impact on the impoundments in the vicinity with focus on breach potential*
4. *Impact on the surface drains*

3. SIA/KL/MIN/53073/2020 , 1642/EC1/2020/SEIAA

Building Stone Mine (Quarry, Minor Mineral Mining) project of Mr. EldhoseKuriakose, Managing Partner, M/S R.V. Associates at Sy. No. 274/25, 274/28, 274, Thirumittacode II Village, Pattambi Taluk, Palakkad District, Kerala for an area of 6.0248ha.

Decision: The proponent was present. The RQP made the presentation. The Committee decided to accept the TOR proposed for the EIA study along with additional terms given below and directed the proponent to submit the following documents/details also;

- 1) *Revised Project Cost*
- 2) *Revised CER plan with location specific and monitorable targets*
- 3) *Valid accreditation certificate of the consultant*
- 4) *Drainage plan*
- 5) *Land Ownership Records*
- 6) *Detailed landuse/land cover map of the area within 500m radius of the project site*
- 7) *Survey map with distance to the nearby building and houses*
- 8) *District Survey Report*
- 9) *Green belt development plan*
- 10) *Biodiversity assessment report*

Additional terms for conducting EIA

1. *Cumulative impact of the existing quarries and proposed quarry as well as the old workings in the impact zone*
2. *Impact on the slope stability of the region in and around the project site*
3. *Impact of additional traffic due to transportation of mine products*
4. *Impact on the impoundments in the vicinity, if any, with focus on breach potential*
5. *Impact on the surface drains and on the valley floor*

AGENDA -4

The Committee decided to entrust the scrutiny of the proposals as follows:

The first 10 proposals (1 to 10) in Part 4 shall be scrutinised by the Sub-Committee consisting of Shri.K.Krishna Panicker, Er. M.Dileep Kumar and Dr.C.Bhaskaran.

The second 10 proposals (11 to 18 under EC and 1&2 under TOR) in Part 4 shall be scrutinised by the Sub- Committee consisting of Dr.S.Sreekumar, Dr.P.S.Easa and Dr.A.V.Raghu

The balance 6 proposals (3 to 8 under TOR) in Part 4 shall be scrutinised by the Sub – Committee consisting of Shri.G.Sankar, Dr.N.Anilkumar and Dr N.Ajithkumar.

AGENDA- 5

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

1. SIA/KL/MIN/159197/2020 , 1324/EC2/2019/SEIAA

Granite Building Stone Quarry of Smt. E.M.Pathumbi (Conversion-ToR-EC) in Re Survey.No: 325/1,327/5, (Block No-04) in Pallassena Village, Chittur Taluk, Palakkad District, Kerala State

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

- 1) Over burden site is to be shifted to the south west part of the site.*
- 2) Distance from the proposed quarry to the nearby houses/buildings.*

2. SIA/KL/MIN/39461/2019 , 1546/EC1/2019/SEIAA

Building Stone Mine (Quarry, Minor Mineral Mining) project of M/s Vengunadu Granite and Sands Pvt. Ltd. at Survey Nos. 238/1, 238/2, 239/1, 239/2, 239/5, 239/6, 239/7, Block No. 22, Muthalamada 1 Village, Muthalamada Grama Panchayat, Chittur Taluk, Palakkad District, Kerala in mine lease area of 4.1894 hectares.

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

- 1) Application should be submitted in Form 1M.*
- 2) Drainage map must be redrawn. The channel way to drain water from overburden dumping site must be avoided.*
- 3) Retaining wall must be built up to prevent the erosion of dumped material. An affidavit to the effect has to be submitted.*
- 4) A screen shot of the application submitted for wildlife clearance has to be submitted.*
- 5) Distance of the proposed quarry from residential houses/buildings.*

3. SIA/KL/MIS/132525/2019 , 1663/EC1/2020/SEIAA

Environmental Clearance for the proposed construction within the existing campus of Govt. Medical College, Thiruvananthapuram to be developed by Department of Health & Family Welfare, Govt. of Kerala

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

- 1. Action Plan for preparing site-specific plan for Resource Recovery/ Reuse of demolition waste of about 483 cum, pile debris waste of 1176 cum and 34526 cum of unused excavation earth generated in the compound, without affecting the Hospital Working Environment.*
- 2. Action Plan for utilising excavated earth of about 68,002 cu m, generated from the construction activity, for backfilling, road formation, landscaping etc. and the excess earth of 34, 526 cu m for utilising within the compound for land scape activities.*
- 3. Action Plan for implementing proper sewage conveyance system (Sewer line) for all proposed buildings, as well as existing buildings, to the site of 5 KLD capacity STP of KWA, which is under construction.*
- 4. Action plan for safeguarded Rain Water Harvesting from all Roof Tops of new buildings, and utilisation of Rain Water for makeup water for toilet flushing water, to the extent possible.*
- 5. Action Plan for planning and implementing suitable garland drains, all around the proposed buildings, enabling recharge of local ground water to the extent possible and allow balance quantity to flow to nearby water streams, after imparting primary settling by providing settling tanks/ delay ponds.*
- 6. Action Plan for the conservation of the streams originating from the campus.*
- 7. Action Plan for providing on-site storage facility for Biomedical Waste, preferably in the Cellar Floor, in the proposed buildings for ensuring segregated storage and inside transport of Biomedical waste for facilitating/handing over to Common Operator, IMAGE, in compliance with the BMW Rules 2016.*
- 8. Action Plan for providing on-site segregated storage facility for Biodegradable General Waste and providing sufficient on-site Treatment Units for easily degradable and not easily biodegradable waste.*

9. *Action for earmarking of location for storage for biodegradable and non-biodegradable waste in the Plan of the Building, for facilitating easy and hygienic storage and handing over of the same to recyclers/ imparting treatment in the onsite treatment facility.*
10. *Provide for proper facilities for tapping Solar Energy in all Roof Tops of proposed Buildings, even though mentioned about harnessing solar power in the EMP, but source of power is shown only from KSEB.*
11. *Action Plan for implementing a realistic and suitable green area development, with suitable species of trees and plants, specifically suitable for hospital environment, by avoiding fruit bearing plants specified in the EMP. Vegetation should be adopted appropriately on the ground as well as over built structure such as roofs, basements, podiums etc.*
12. *Prepare a perspective plan for preventing the movement of private vehicles and for avoiding traffic congestions within the campus by providing common battery operated small utility vehicles.*

CONSIDERATION OF TOR PROPOSALS

6. SIA/KL/MIS/53915/2020 , 1753/EC4/SEIAA/2020

Phase I Development of Azhikkal Port at Azhikkal, Kannur District, Kerala

Decision: The Committee decided to approve the standard ToR along with the following additional ToR for carrying out the EIA study:

- 1) *Impact of the long shore current*
- 2) *Assessment of the coastal erosion status of the impact zone*
- 3) *Impact on the beach stability of the impact zone*
- 4) *Impact of the proposed rail & road*
- 5) *Assessment of sand & sediment bypass potential in the area*

The Committee also decided to entrust the scrutiny of the remaining six proposals in Part 5 of the Agenda (EC proposal no.138027, and TOR proposals nos.53063, 51014, 53095, 53018 and 53617) to the Sub-Committee consisting of Dr. R. Ajayakumar Varma, Shri.V.N.Jithendran and Smt.BeenaGovindan.

PART 6 to PART 11

Decision: Due to lack of time, the Committee decided to defer the items in Part 6 to Part 11 of the Agenda to the next meeting of SEAC.

It is decided to convene the next meeting of SEAC during 06-08, October, 2020.

The meeting ended at 5 pm on 17th September 2020 with a vote of thanks to the Chair.

Sd/-
Mir Mohammed Ali, IAS
Secretary

Sd/-
Dr.C.Bhaskaran
Chairman

List of members attending the SEAC meeting on 15.09.2020

1.	Shri.G.Sankar	6.	Dr. A.V.Raghu
2.	Shri.K.KrishnaPanicker	7.	Smt.BeenaGovindan
3.	Er. M.Dileep Kumar	8.	Dr. P.S.Easa
4.	Dr.R.AjayakumarVarma	9.	Dr.N.Ajith Kumar
5.	Dr.S.Sreekumar	10.	Dr.N.Anil Kumar

List of members attending the SEAC meeting on 16.09.2020

1.	Shri.G.Sankar	6.	Dr. A.V.Raghu
2.	Shri.K.KrishnaPanicker	7.	Smt.BeenaGovindan
3.	Er. M.Dileep Kumar	8.	Dr. P.S.Easa
4.	Dr.R.AjayakumarVarma	9.	Dr.N.Ajith Kumar
5.	Dr.S.Sreekumar	10.	Dr.N.Anil Kumar

List of members attending the SEAC meeting on 17.09.2020

1.	Shri.G.Sankar	6.	Dr.A.V.Raghu
2.	Shri.K.KrishnaPanicker	7.	Smt.BeenaGovindan
3.	Er. M.Dileep Kumar	8.	Dr. P.S.Easa
4.	Dr.R.AjayakumarVarma	9.	Dr.N.Ajith Kumar
5.	Dr.S.Sreekumar	10.	Dr.N.Anil Kumar