

**MINUTES OF THE 128<sup>th</sup> MEETING OF THE SEAC KERALA HELD FROM 23<sup>TH</sup> TO 24<sup>TH</sup> MAY, 2022 IN CONFERENCE HALL, STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, THIRUVANANTHAPURAM**

The 128<sup>th</sup> meeting of the SEAC, KERALA was held on 23<sup>rd</sup> and 24<sup>th</sup> May 2022. The meeting started at 10.00 AM on 23<sup>rd</sup> May 2022. Dr. R. Ajayakumar Varma, Chairman, SEAC Kerala chaired the meeting. The Committee discussed the agenda items in detail and took the following decisions;

**1. Noting of minutes of the 127<sup>th</sup> SEAC meeting held from 28th- 30th April 2022.**

**Decision:** Noted

**2. Environmental Clearance for the proposed building stone quarry project in Re-survey No. 168, Karukutty Village & Karukutty Grama Panchayat, Alwaye Taluk, Ernakulam District, Kerala State by Mr. Saji Vadakkekara (Proprietor), M/s Planters Aggregates-Revalidation of EC - Judgment dated 11-09-2021 in WP (C) 16230 of 2021 filed by M/s Planters Aggregates. (File No. 1065/SEIAA/EC3/1912/2016)**

**Decision:** As invited, Mr. Davis George, on behalf of the proponent with authorization, and Mr. Jomon, on behalf of the consulting firm M/s Environmental Engineers & Consultants Pvt. Ltd was present. The consultant made the presentation. The Committee heard the presentation and on verification, the Committee observed that the report from the District Geologist has not been received on the complaint raised by Shri. T.A. George, Ernakulam. The Committee decided the following:

1. Entrusted Dr. R. Ajayakumar Varma and Sri. Sheik Hyder Hussain for field inspection and report.
  2. Send a reminder to the District Geologist, Ernakulam for getting the report on the complaint raised by Shri. T.A. George, Ernakulam.
- 3. Application for Environment Clearance in respect of “Granite Building Stone Quarry of M/s. Kizhakethalacakal Rocks, over an extent of 12.4408 Ha. Survey. Nos. 184/1A (Government Land), Elappara Village, Peermade Taluk, Idukki District, Kerala State. (Proposal No. SIA/KL/MIN/145075/2020) File No. 1195/EC2/2018/SEIAA**

**Decision:** The 118<sup>th</sup> SEAC meeting recommended rejection of the proposal as a part of the proposed site falls in red and orange zones and the 107<sup>th</sup> SEIAA meeting rejected the proposal. The Hon’ble High Court has ordered to consider and pass appropriate orders

within a period of eight weeks from the date of receipt of the Judgment dated 4.5.2021. The SEAC heard the proponent on 15-06-2021. The 122<sup>nd</sup> SEAC decided to invite the proponent for presentation of the alternate proposal after a study of slope stabilisation measures by a reputed agency as agreed to by the proponent. The 126<sup>th</sup> SEAC meeting verified the documents and decided to invite the proponent for a presentation about alternate measures being proposed and details of the slope stability study conducted.

As invited the proponent along with the consultant were present. The consultant, Sri. Cyriac, M/s Global Environment & Mining Services made the presentation. The Committee observed that the NOC issued by the DC for the proposed area has expired as per condition No.1 of the NOC that the proponent should start the mining activity within 2 years from the date of issuance of that. The Committee decided to direct the proponent to submit the following additional documents:

- a. Approved Mining Plan
- b. Pre -Feasibility Report
- c. Valid NOC from District Collector

The Committee decided to entrust Dr. Mahesh Mohan, Dr. A.N. Manoharan and Sri. Sheikh Hyder Hussain to verify the documents submitted by the proponent, assess the slope stability of the area and study the environmental details and appraise the Committee.

**4. Environmental Clearance for the building stone quarry project in Survey Nos. 51/3 (p), 53/1 (p), 53/2 (p), 54/3 (p), 54/4, and 54/5 at Urangattiri Village, Ernad Taluk, Malappuram District, Kerala – Judgment dated 03.08.2021 in WP(C) No.15431 of 2021 - Revalidation of EC (File No.437/SEIAA/EC1/2997/2014)**

**Decision:** As invited, the proponent and Sri. Jomon, Consultant on behalf of M/s Environmental Engineers and Consultant pvt. Ltd. was present. The consultant made the presentation. The Committee heard the presentation and decided to direct the proponent to submit the following additional documents:

- a. Reassess the quantity of the mineable reserve and submit details
- b. Non- assignment Certificate from the VO.
- c. Remarks on the complaint submitted by Sri.Nazir Parambadan

The Committee also decided to entrust Shri. V.Gopinathan & Dr.A.V.Raghu for field inspection and report. The team will also verify the veracity of the complaint received.

**5. Environmental clearance issued for the quarry project in Sy. No. 274, 275/1A3, at Thirumittacode Village II, Thirumittacode Panchayath, Pattambi Taluk, Palakkad**

**District, Kerala by M/s Triphy Granites Pvt Ltd-Judgment dated 17.11.2020 in WP(C) No. 25111/2020 (File No. 826/ SEIAA/EC1/2609/ 2015)**

**Decision:** The 123<sup>rd</sup> SEAC meeting decided to recommend that the proponent will be eligible for revalidation of EC order with the project life of eight years from the date of issuance of the first EC order subjected to compliance of following six conditions within six months.

- a. Correct the steep slopes with stipulated bench height and width
- b. Garland drain and catch water drains with silt traps
- c. Water settling and clarifier pond to prevent outflow of turbid water from the project site
- d. Rainwater harvesting facility
- e. Avenue tree planting using local species
- f. Planting of trees, at least 5 times of that lost during the land clearing

The proponent has submitted the compliance report and other documents sought. The 112<sup>th</sup> SEIAA meeting desired reverification of the compliance. The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee entrusted Dr. K.N.Krishnakumar & Dr. K. Vasudevan Pillai for filed inspection to confirm the compliance and report.

**6. Environmental clearance issued for the proposed quarryproject in Sy. Nos. 571/1A/34-5, 571/1A/34-4,571/1A/34-4-1, 571/1A/12, 571/1A/12-56, 571/1A/13-137, 571/1A/12/54/124, 571/1A/54-1,571/1A/54-2 at Konni Thazham Village, Konni Panchayath, Konni Taluk, Pathanamthitta District by Sri. Jacob Thomas, M/s Plakkattu Granites Industries Pvt. Ltd -Judgment dated 02.09.2020 in WP(C) No. 11053/2020 (File No.870/SEIAA/EC4/3101/2015)**

**Decision:** The 123<sup>rd</sup> SEAC decided to recommend revalidation of EC order with the project life of twenty years from the date of issuance of the first EC order subjected to satisfactory compliance of the following conditions within six months.

- Construct Site specific Garland canal with silt traps and settling pond
- Green belt development along buffer area
- Compliance of specific conditions in the EC with supporting data
- Top soil to be dumped at designated place only
- Sworn affidavit stating that mining will be carried out as per the approved mining plan without any deviation
- Measurement of reduced level of PWD road to Thekkuthodu in front of the project site and limit the ultimate mine depth above this level.

The proponent submitted the documents and 112<sup>th</sup> SEIAA meeting desired reverification of the compliance. The Committee verified the documents submitted by the proponent and

found them satisfactory. The Committee entrusted Dr.Mahesh Mohan & Smt.Beena Govindan for field inspection to confirm the compliance and report.

**7. Environmental Clearance issued by DEIAA, Malappuram for the quarry project in Re.Sy. Nos. Q02-1065/pt in Melmuri Village, EranadTaluk, Malappuram District, Kerala by Sri.Muhammed Ibrahim – Judgment dated 09.02.2021 in WP(C) No.3314 of 2021 - Revalidation of EC (File No.395/EC6/2021/SEIAA)**

**Decision:** The Committee examined the field inspection report and verified the documents submitted by the proponent. The submitted documents are found satisfactory. It is found that the Hazard Zonation map is not submitted. As desired by the SEIAA, the Committee entrusted Shri.V. Gopinathan and Dr. A V Reghu for field inspection to confirm the compliance and report.

**8. Environmental Clearance for the quarry project in Re. Survey. No. 266/2 (pt) of Cherukavu Village, KondottyTaluk, Malappuram District, Kerala by Sri.P.K.AbdullaKoya, M/s Beta Granites– Judgment dated 16.02.2021 in WP(C) No.3059 of 2021 - Revalidation of EC (File No.216/SEIAA/EC1/274/2014)**

**Decision:** The Committee verified the documents submitted by the proponent and found that as per the Cluster Certificate dated 26.03.2021, the total area comes 19.241Ha, including this quarry having an area of 4.54Ha. The proponent hasn't submitted the revised scheme of mining & hazard zonation Map as directed by the SEIAA. As desired by the SEIAA, the Committee entrusted Dr. C.C.Harilal & Sri. V. Gopinathan for field inspection to confirm the compliance and report.

**9. Environmental Clearance for the building stone quarry project in Survey Nos. 147/2 (pt), 149/1(pt), 149/2 (pt), 150/1, 150/3(pt), 151/1(pt) & 151/2(pt) at Urangattiri Village, ErnadTaluk, Malappuram - Judgment dt.19.07.2021 in WP(C) No.14366/2021 - Revalidation of EC (File No. 1021/EC1/001/SEIAA/2016)**

**Decision:** The Committee verified the proposal and examined the documents submitted by the proponent. The Committee noted the information that the Proponent has not commenced mining so far due to a delay in getting clearances from some other department concerned and hence revised Scheme of Mining & Certified Compliance Report from MoEF&CC has not been submitted. The Committee decided to entrust Dr.A.V.Raghu & Shri. V.Gopinathan for filed inspection to verify the compliance status and report. The Field Inspection team will also verify the documents and assess the details submitted by the proponent.

**10. Environment Clearance for mining of Granite Building Stone quarry project in Survey No. 1/1A in Pulamanthole Village, Perinthalmanna Taluk, Malappuram District Kerala by Sri Abdul Azeez Kottakkaran (File No. 1309/EC2/2019/SEIAA)**

**Decision:** The Committee in its 126<sup>th</sup> meeting verified the documents submitted by the proponent and found them satisfactory except for the yield test of the well proposed to be used for the project or alternate source of water for the project. Further, the Proponent submitted that, for domestic purposes the water will be collected from a well located at a distance of 115 m for which yield test is conducted and for plantation and dust suppression water will be sourced from a rainwater harvesting pit located at a distance of 208 meters away from the quarry site. An affidavit from the landowner is also submitted.

In these circumstances, the Committee decided to recommend EC with Project Life of 5 years subject to the following Specific Conditions in addition to the General Conditions:

- a. The proponent should submit a sworn affidavit that he will comply with the traffic plan submitted by him.
- b. The proponent should implement safeguard plan for protecting the lower contours of the project area by adopting vegetative measures.
- c. The overburden dump should be protected with proper gabion wall.
- d. The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area.
- e. The garland canal along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- f. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**11. Environmental Clearance to P.K.Das Institute of Medical Sciences, Nehru College of Educational and Charitable Trust Vaniyamkulam, Palakkad – letter from Member Secretary, KSPCB regarding release of bank guarantee (File No. 554/SEIAA/EC1/4089/2014)**

**Decision:** The Committee examined the compliance report on the remediation and natural resource augmentation plan submitted by M/s. P.K.Das Institute of Medical Sciences as directed by SEIAA in its 113<sup>th</sup> meeting. The Committee found that the Compliance report is vague and does not indicate the completion of works in a sequential manner. The Committee decided to direct the Proponent to submit detailed item-wise compliance report sequentially and facilitate the field inspection team for confirming the compliance status. The Committee

decided to entrust Er. M. Dileepkumar, Smt Beena Govindan and Dr. A.V Raghu for field inspection to verify and report the compliance status of the remediation and natural resource augmentation plan.

**12. Environmental Clearance issued for the Quarry Project in Sy.No.339/5, 339/6, 339/7, 339/7-2, 339/7-3, 339/7-4, 339/7-5, 339/7-6, 339/7-7, 339/14, 339/15, 339/16, 339/17, 339/18, 339/19, 339/20, 339/24, 339/25, 339/26, 340/9, 340/10, 340/11, 340/20, 340/20-1, 341/4, 341/5, 341/6, 341/7, 341/9-1, 341/9-2, 341/9-3, 341/9-4, 341/9-5, 341/10, 341/11, 341/12, 341/13, 342/2, 342/3, 343/9, 345/1, 345/1-3, 345/1-2, 345/1-16, 345/1-22, 345/1-6-1, 355/26, 341/2-1, 341/2-2 & 342/4 in Aruvikkara Village and Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala by M/s MetarockPvt. Ltd- Judgment dated 03.08.2021 in WP(C) No.15172/2021 - Revalidation of EC.(File No. 235/SEIAA/KL/851/2013 )**

**Decision:** The Committee verified the documents submitted by the proponent which are found satisfactory. The Committee also discussed the field inspection report. The Committee decided to recommend EC with a Project life of 15 years from the date of the original EC i.e. from 31.10.2014 subject to review every 5 years, with the following specific conditions in addition to the general conditions.

- a. The renewed NOC for Government Land in Sy. No. 342/4 should be produced before the issuance of EC.
- b. The inclusion of Sy No. 342/3 in the approved Mine Plan which does not have lease approval should be corrected by the proponent.
- c. The proponent should improve the green belt by planting more indigenous species.
- d. Green belt development in the buffer should be strengthened further and it should be nurtured and maintained in subsequent years
- e. Garland canal should be extended to uncovered areas and the garland canal, silt traps, siltation pond, and outflow channel should be desilted periodically to facilitate unhindered overland drainage. Geotagged photographs of desiltation should be incorporated in the Half Yearly Compliance Report.
- f. The carrying capacity of the garland canal and outflow channel should be increased and its continuity ensured to prevent drainage congestion and overflows.
- g. The retention wall of the existing overburden dump should be strengthened further to prevent the impact of debris flow.
- h. The overburden storage site should be re-located to the lower elevation portion of the project area.
- i. Measures incorporated in the CER/CSR should be implemented on an yearly basis and adequate fund as per norms should be earmarked and expended for the purpose. The infrastructure so developed should be operated and maintained without fail till the mine closure plan is implemented in total

**13. Environmental clearance issued for the proposed quarry project in Sy. Nos.85/9-1, 85/13-1, 85/16-1, 88/1-1, 88/1-2, 88/3-1, 88/4, 88/5, 88/7 in Nellanadu Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala of Sri.SureshKumar.S– Judgment dated 02.11.2020 in WP(C) No. 11763/2020 regarding revalidation of EC (File No. 872/SEIAA/EC1/ 3103/2015 )**

**Decision:** The Committee examined the proposal and discussed the field inspection report and decided to recommend revalidation EC period for a Project Life of 7 Years from the date of issuance of the original EC, i.e. 27.12.2017 with the following additional specific conditions in addition to that stipulated in the original EC.

1. Haulage road should be shifted away from the buffer zone between BP1 and BP22
2. The buffer stipulated in the mine plan should not be used for any other purpose other than green belt development.
3. The green belt in the buffer zone should be strengthened with indigenous species with immediate effect.
4. The buffer zone between BP2 and BP6 shares the boundary of an old quarry and is rocky. Additional afforestation should be done to compensate for the lack of green belt in that area. The geo-tagged photographs of the area where afforestation is done should be provided along with HYCR.
5. The garland drain of adequate width and depth should be provided all around the Project area to ensure the drainage of overland flow.
6. The garland drain should be provided with intermittent silt traps, siltation pond and outflow channel and it should be maintained periodically by removing the deposited silt.
7. The bench width and height should be corrected within 6 months and the geo-tagged photographs of the same should be provided along with HYCR
8. The proponent should not carry out any mining where the terrain slope is more than 45°

**14. Environmental clearance for the proposed granite building stone quarry project in Survey No. 156/1 (P) & 156/2 (P) in Karimkunnampuzha Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. Haridas P.G. (File No.1223/EC2/2019/SEIAA)**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years. The EC may be issued only after obtaining a sworn affidavit stating that the boundary pillars are fixed permanently with concrete along with geotagged photographs as proof. The following specific conditions in addition to the general conditions are also recommended.

- a. Topsoil from the overburden should be stored separately and used for green belt development
- b. The overburden dumping site should be located on the lower side of the project area and it should be protected with Gabion structure to prevent sliding, runoff and erosion of the dump during rains.
- c. The entire project area should be provided with fencing
- d. The buffer area should be demarcated around the quarry area as given in the mine plan should not be used for any purpose other than green belt development.
- e. Green belt should be developed prior to the commencement of mining using indigenous species and it should be protected and nurtured till the mine closure plan is implemented in total.
- f. Garland canal, intermittent silt traps, siltation pond and outflow channel should be provided covering the entire project area. Silt traps should be provided at an interval of 10m. The outflow channel should be connected to the nearby natural stream.
- g. Garland canal, intermittent silt traps, siltation pond and outflow channel should be desilted periodically for channelizing unhindered overland flow and geo-tagged photographs of the process should be submitted along with half-yearly compliance report (HYCR).
- h. The turbidity of drainage water should be monitored during different seasons and reported.
- i. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the remaining project period.

**15. Environmental Clearance for the quarry project in Sy. Nos 2059/1, 2060, 2061, 2063 of Kuttichira Village & Survey Nos . 928, 929, 930, 931, 932/1, 932/2 at Kodassery Village, Kodassery Panchayath, Chalakudy Taluk, Thrissur District, Kerala – Common Judgment dated 02.11.2020 in WP(C) No.11048 of 2020 - Revalidation of EC- reg :- (File No.847/SEIAA/EC1/2859/2015)**

**Decision:** The Committee verified the documents submitted by the proponent which are found satisfactory. The Committee also discussed the field inspection report. The Committee decided to recommend revalidation of EC with a Project life of 6.5 years from the date of the original EC i.e. 23.4 2016 excluding Covid extension subject to the following specific conditions.

1. Compensatory afforestation should be done with immediate effect to compensate for lack of vegetation in the buffer zone with rocky patches on Eastern and Western boundaries.
2. The growth status of buffer plantations should be monitored and geo-tagged photographs should be incorporated in the compliance report.



3. The garland drain, silt traps, siltation pond and outflow channel should be cleaned periodically and geotagged photographs as proof should be submitted along with the half yearly compliance report.
4. The inadequacy of the provision of benches should be corrected with immediate effect.
5. The outflow from the settling pond should be connected to the nearest natural drain with necessary silt traps and maintained it periodically.
6. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the remaining project period.

**16. Environmental clearance issued to M/s VKL Infrastructure facilities Pvt. Ltd in Manickal village, Nedumangad Taluk, Thiruvananthapuram District - Mass petition filed by Shri. M. Aneesh & others against the quarry operations of VKL Infrastructure Facilities Pvt. Ltd (File No.3137/EC1/2019/SEIAA & Main file No.753(A)/(B)/SEIAA/EC1/302/2015)**

**Decision:** The Committee noted the decision of the 113<sup>th</sup> SEIAA meeting. In response, the Committee decided to inform SEIAA that a member of the SEAC is nominated as a member in the Joint Committee constituted as per the direction of the Hon. NGT with PCB as nodal agency to undertake visit to the site, verify the compliance status and file a factual and action taken report within two months. The Committee was also directed to put project proponents to notice for their response, if any violations are found, which may be filed within one month of such report. The Joint Committee has submitted its reports to Hon. NGT. The Committee directed the Member of the Joint Committee representing SEIAA to provide a copy of the final report submitted to Hon. NGT to the SEIAA. The Committee also decided to seek the advice of the SEIAA for any further action on the matter.

**17. Environmental Clearance for the Proposed Expansion of Residential cum Commercial unit- “VKL Towers” in Re-survey No.181/14, 181/14-1, 181/14-2, 181/14-3, 181/14-4, 181/14-5, 181/10, 181/10-1, 181/10-2, 181/18, of Attipra village, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala by Mr. Shaji. K. Mathew, Director, M/s K V Apartments Pvt. Ltd. (File No. 1228/EC2/2019/ SEIAA)**

**Decision:** The Committee noted that the proposed project comes under the violation category. Therefore, action has to be taken as per the SoP issued vide OM No. F.No.20-21/2020-IA.III dated 07/07.2021 and OM No. E-20-21/2020-IA-III (E 138949) dated 28.1.2022. The project is found sustainable and the proponent shall be directed to submit

ToR as per the said SoP. The Proponent should also be informed that violation cases and applications is also subjected to penalty provisions under clause 12 of the SoP.

**18. Environmental Clearance for the Proposed Residential Project Construction-“VKL Garden” in Sy.No.415/21 at Chellanmangalam Uliyazhathura, Kariyam villages, Thiruvananthapuram Taluk & Thiruvananthapuram District, Kerala of Mr.Shaji.K.Mathew, Director, M/s K V Apartments Pvt. Ltd. (File No. 1190/A2/2018/ SEIAA)**

**Decision:** The Committee noted that the proposed project comes under the violation category. Therefore, action has to be taken as per the SoP issued vide OM No. F.No.20-21/2020-IA.III dated 07/07.2021 and OM No. E-20-21/2020-IA-III (E 138949) dated 28.1.2022. The project is found sustainable and the proponent shall be directed to submit ToR as per the said SoP. The Proponent should also be informed that violation cases and applications is also subjected to penalty provisions under clause 12 of the SoP.

**19. Environmental Clearance issued from SEIAA, Thiruvananthapuram for the granite building stone quarry in Chithara Village, Kottarakara Taluk, Kollam District of Sunilkumar - Judgment in WP (C) 24326/2020 filed by - Revalidation of EC. (File No. 813/EC3/2484/2015/SEIAA)**

**Decision:** The Committee observed that the 121<sup>st</sup> meeting of the SEAC recommended rejection of the revalidation proposal and cancellation of the EC issued earlier based on the report of non-compliance of EC conditions from the IRO, MoEF & CC dt 6-4-2021. Now the Proponent submits that he has attended to all the observations made by the SEAC, submitted Certified Compliance Report from the IRO, MoEF& CC, Bangalore and other documents. The 112<sup>th</sup> meeting of the SEIAA directed SEAC to conduct a field inspection to confirm the compliance of observations. In the circumstances, the Committee verified the documents submitted by the proponent and decided to entrust Shri. M. Dilipkumar and Dr. A. Biju Kumar for confirmation of the compliance and report.

**20. Judgement in WP(C) No. 12147/2020(P) dated 09.09.2020 filed by A.K.Joseph, Arackal House, Mundathadam, Parappa, Kasargod, 671533 Jimmy Alex, Manjakunnel, Parappa P.O, Kasargod, 671533, Vinayan V.K , District Environmental Samithi, Parappa, Kasargod**

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**Judgement in WP(C) No. 15745/2020(P) dated 18.08.2020 filed by K.P.Balakrishnan, KanathilParambil, Moolakayam, Parappa, Kasargod, Pramod.K, Parappa, Kasargod, Sudhakaran.M, Edavil Veedu, Parappa, Kasargod and U.V.Mohammed Kunhi, Valappil Kammadath, Parappa, Kasargod(1992/EC2/2020/SEIAA)**

**Decision:** The Committee discussed the item in detail. The 108<sup>th</sup> meeting of the SEIAA directed the Project Proponent to correct all the shortcomings pointed out by the SEAC within 6 months and another field inspection will be carried out after 6 months to verify whether the observations of SEAC are attended or not. If the Project Proponent does not attend the observations made by SEAC, appropriate action will be taken against the project proponent including cancellation of EC and intimated the matter to the proponent on 15.04.2021. The SEIAA also noted that the time period given to the proponent for correcting the shortcomings is over and even after the warning letter, no reply has been received from the Project proponent. The 113<sup>th</sup> meeting of SEIAA directed the Committee to conduct a field inspection after giving prior intimation to the Project Proponent, the Complainant of the WP(C) 15745 of 2020 (P) and other members of the inspecting team, to verify the compliance status and recommend to SEIAA for further action to be taken. In the circumstances, the Committee decided to entrust Sri. V.Gopinathan and Dr. A.N.Manoharan to conduct field inspection after giving prior intimation all concerned as stated above and verify the compliance and report.

**21. Judgment in the NGT Original Application No. 88 of 2017 (SZ) dated 26<sup>th</sup> October, 2021 filed by Shri. George Isaac, against the quarrying operations of M/s Slab Aggregates, owned by Shri. Joseph John (File No: 519/SEIAA/EC3/3823/14)**

**Decision:** The Committee discussed the item in detail along with the Judgment in Original Application No. 88 of 2017 (SZ) dated 26-10-2021 of Writ Petition filed by Shri. George Isaac against the quarrying operations of M/s Slab Aggregates, owned by Shri. Joseph John before the Hon'ble National Green Tribunal. The appeal has been filed against the grant of Environmental Clearance (EC) by the SEIAA for carrying out building stone quarrying in Sy. No.320/2, 320/3 of Aikarunadu North Village, Kunnathunadu Taluk, Emakulam. Hon. National Green Tribunal in its order directed the Authority to ascertain whether any violation of conditions imposed or recommendations made by the Expert Appraisal Committee (EAC) which were accepted by the SEIAA have been complied with or not, and if so they are directed to take appropriate action against the project proponent for violation (if any) committed in accordance with law and submit a report in this regard to this tribunal within a period of six months. The 113<sup>th</sup> meeting of SEIAA directed the Committee to conduct a field inspection to ascertain whether any violation of conditions has taken place and report to SEIAA for follow-up actions to be taken for violation of EC conditions. Therefore, the Committee decided to entrust Dr. K. N. Krishnakumar and Dr. Mahesh Mohan for field inspection and report.

**22. Environmental clearance for the quarry project in Sy. No. 324/4(P), 324/5(P) & 325/15(P), Pattimattom Village, Kunnathunadu Taluk, Ernakulam, for M/s. Cement Bricks & Allied Industries and 317/2, 317/4 & 324/5(P) Pattimattom Village,**

**Kunnathunadu Taluk, Ernakulam, for M/s. Kizhakkambalam Granites Kerala by Shri. Paul Varghese, M/s. Cement Bricks & Allied Industries / M/s. Kizhakkambalam Granites- Judgment in WP (C) 18778/2020 filed by M/s. Cement Bricks & Allied Industries - Revalidation of EC(File No. 724/SEIAA/KL/6074/2014)**

**Decision:** The Committee discussed the item in detail. The 123<sup>rd</sup> meeting of the SEAC recommended to the SEIAA to initiate steps for the suspension of the operation of the quarry for six months for non- satisfactory compliance of EC conditions and revalidation of EC may be considered after the proponent comply with the non-compliances and submit a satisfactory compliance report within six months. The 112<sup>th</sup> meeting of the SEIAA decided to consider the revalidation of the EC subjected to 7 conditions, one of which was a direction to the Project Proponent to attend all the observations made by SEAC within 6 months and submit a compliance report to SEAC. The SEIAA also directed SEAC to conduct a field inspection to confirm the compliance of observations made after getting the compliance report. The SEIAA also made clear that if the observations made by SEAC are not attended to the satisfaction of SEAC, the EC will be cancelled and punitive action will be taken under all relevant Acts and rules applicable for the operation of a Quarry.

The Project Proponent intimated that they have adopted corrective measures to comply with the recommendations mentioned by SEAC and have constituted the Environmental Management Cell (EMC). The have also intimated that they have conducted a study on the safe blasting operations of the quarry by National Institute of Rock Mechanics (NIRM), Bangalore. In the circumstances, the Committee perused the file and found that the details sought from the proponent including the study report of NIRM, Bangalore has not been submitted. The Committee decided that undertake a site visit as directed by SEIAA after obtaining report from the proponent. The 113<sup>th</sup> meeting of SEIAA decided that the SEAC should conduct a site inspection to assess the compliance status of the condition mentioned in its 123<sup>rd</sup> meeting and report. Accordingly, the Committee decided to entrust a team consisting of Dr. K.N. Krishnakumar and Dr. Mahesh Mohan to conduct field inspection to verify the compliance status, peruse the study report of NIRM claimed to have been obtained by the Proponent and report the status.

**23. Judgment in the NGT O.A.No.76/2021 (SZ) dated 06-12-2021/ Judgment of Hon'ble High Court of Kerala in WP(C) No. 21767/2021 dated 11-03-2022 & Judgment dated 4.10.2019 in WP(C) No.31684/2016 filed by Tomy Thomas (File No.1255/EC4/2016/SEIAA) (Common Judgment in WP © 31684/2016, WP (C).15505/2016 &WP (C) 25529/2019) –Request for extension (Court case and complaint File No. 1255/EC4/2016/SEIAA) (Environmental Clearance issued File No: 806/SEIAA/EC4/2237/2015)**

**Decision:** The 113<sup>th</sup> meeting of the SEIAA, in consideration of the directions of Hon'ble High Court of Kerala in WP (C) No 21767/2021 dated 11-03-2022 and the directions of NGT in judgment on OA No 76/202 (SZ) dated 06-12 2021, decided to ascertain from SEAC whether stop memo can be revoked and if so revalidation proposal can be considered. The Committee discussed the proposal along with the complaints, orders of the Hon. Courts, results of specific studies conducted etc and also the direction of the 113<sup>th</sup> meeting of the SEIAA. The Committee also recalled the decision of the 123<sup>rd</sup> meeting of SEAC to recommend issuance of EC with specific conditions.

- a) Blasting (NONEL) should be conducted with a maximum of 30 holes in a blast round using drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 250 gm of explosive in each hole of the array with a burden of 1.5m and spacing of 1m. An affidavit to this should be submitted by the Proponent.
- b) NONEL based shock tube detonators should be used for initiation so as to have hole to hole delay of 17ms and 25ms and accordingly row to row delay of 25ms or 42ms.
- c) Blast should be conducted by qualified personnel as stipulated by the Director General of Mine Safety.
- d) The blasting should be done by providing mine mats. Adequate muffling arrangement should be made to restrict fly rocks within 10m.
- e) Blasting configuration and layout should be strictly according to the recommendation in the study report of the Department of Mining Engineering, National Institute of Technology- Karnataka (NIT-K), Suratkal, Mangalore dated 16.4.2021.
- f) The blasting configuration and layout as per Table 4 and Figure 20 given the report should be displayed in front of the project site.
- g) Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
- h) Haulage road should be completed with adequate width and lower gradient prior to the commencement of mining.
- i) The catchwater drains should be complete in all respects prior to the commencement of mining.
- j) A water holding and clarifier pond should be set up at the bottom portion of the site so as to prevent outflow of turbid water.
- k) Adequate Rain Water Harvesting structure should be provided on the lower part of the site.
- l) Periodic cleaning of garland drain, silt traps, siltation pond and outflow channel should be carried out and geotagged photographs should be incorporated in the Half Yearly Compliance Report.
- m) Overburden dumping site should be provided at the lower portion of the project site and it should be protected with gabion wall.

- n) The existing steep cutting should be set right with adequate benches with stipulated height and width prior to commencement of regular mining.
- o) A separate plot to preserve the rare and endemic species, if any, should be earmarked.
- p) Planting of trees of local species on both sides of the road within the project site should be completed prior to commencement regular mining.
- q) Temporary wall should be provided wherever green belt cannot be developed due to the presence of barren rock
- r) Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- s) The Green belt in the buffer should be strengthened further with local species and it should be nurtured and maintained appropriately.
- t) A Local Monitoring Committee consisting of the President, Thalappalam GP, Member of the concerned Ward of Thalappalam GP, One nominated Member of the Biodiversity Management Committee of the Thalappalam GP, Proponent of the Mine Project, Expert in the Environment Management Cell (EMC) of the Project should be constituted. The Committee will meet once in two months and monitor the conditions stipulated in the mining approval, consent to operate and environmental clearance and their suggestions should be implemented by the EMC without amending any conditions stipulated in various clearances obtained for operating the mine.

The Committee decided to adhere to the decision of the 123<sup>rd</sup> meeting of the SEAC to recommend EC for the quarry with the above specific conditions. Accordingly, the stop memo may be revoked subject to the direction of Hon'ble court. The proponent may also be directed to submit application in Form 1 for extension of EC along with details required for the consideration of the application.

**24. Report from District Collector, Kannur:-Special attention to grant Environmental Clearance from SEIAA at the earliest-reg [File No.113/EC4/2022/SEIAA]**

**Decision:** The Committee noted the decision of SEIAA and decided to hold a separate meeting exclusively for laterite proposal depending on the number of applications pending during the 129<sup>th</sup> meeting of SEAC scheduled during June 8 – 10, 2022.

**25. Environmental Clearance for the expansion of the existing Hospital campus Project by M/s Kunhitharuvai Memorial Charitable Trust (KMCT) in Sy Nos. 39/3A, 2, 39/1, 2, 4, 44/1, 2, 4, 78, 42/2, 43/2, 43/1A, 101/1A, 43/1B, 2B, 102/1, 47/1, 101/2C, 2B, 102/2, 49/2A, 101/2A, 39/3, 39/3B, 49/1B, 30/1 at Thazhakkode Village, Mukkom Municipality, Kozhikode Taluk & District Kerala by Dr.Navas.K.M Trustee & Authorised**

**Signatory of KMCT Medical College Campus, Manassery, Mukkam, Kozhikode, Kerala (File No.1157/EC/SEIAA/2017)**

**Decision:** The Committee examined the proposal in detail. The 112<sup>th</sup> meeting of SEAC after detailed examination, observed that there was violation of the stipulations in the EIA Notification. The Committee also noted the decision of 113<sup>th</sup> SEIAA. Accordingly, action has to be taken as per the SoP issued vide OM No. F.No.20-21/2020-IA.III dated 07/07.2021 and OM No. E-20-21/2020-IA-III (E 138949) dated 28.1.2022. The project is found sustainable and the proponent shall be directed to submit ToR as per the said SoP. The Proponent should also be informed that violation cases and applications is also subjected to penalty provisions under clause 12 of the SoP.

**26. Environmental Clearance for the Building Stone quarry project in Sy.No. 36/3 (pt), 37/1(pt), 37/2(pt), 37/3(pt) at Morayoor Village, KondottyTaluk, Malappuram District, Kerala by Sri.E.A.AbdulKarim, M/s Malabar Aggregates – Judgment dated 23.02.2021 in WP(C) No.4687 of 2021 - Revalidation of EC (File No.853/SEIAA/EC1/2977/2015)**

**Decision:** The 124<sup>th</sup> meeting of SEAC recommended that the proponent will be eligible for revalidation of EC order with project life of 12 years from the date of issuance of the first EC order subjected to satisfactory submission of the compliance report. The 113<sup>th</sup> meeting of SEIAA decided that SEAC should confirm the satisfactory compliance of its directions considering the complaint of the petitioner in WP(C) No. 16123/2021 for revalidation of EC. The Authority also decided to obtain the action taken report from the District Collector, Malappuram, Senior Environmental Engineer, KSPCB, and the Geologist in compliance with the Judgments. The proponent submitted the required documents except a recent cluster certificate. The Committee decided to entrust Sri. V. Gopinathan & Dr.C.C.Harilal for field inspection and report

**27. Environmental Clearance issued to the quarry project in Sy.No.153/2, 154/Pt in Morayur Village, KondottyTaluk, Malappuramm District owned by Sri.UmmerKutty.K, M/s.Morayoor Granites Pvt. Ltd. – Order of NGT in Appeal No.30 of 2020 filed by Sri.Mohammed.O – reg :- (File No.1239/EC2/2019/SEIAA)**

**Decision:** The 109<sup>th</sup> meeting of SEAC recommended issuance of EC subject to the specific condition that the proponent should take adequate measures for slope stabilization and a report for stabilization to be provided. The 104<sup>th</sup> meeting of the SEIA decided to issue EC with specific condition suggested by SEAC. There was complaint before the Hon. NGT that the SEAC recommended the project, without considering the report of the study regarding the slope stabilization measures. Hon. NGT vide order dated 24.12.2021 suspended the EC

for 7 months and it is remitted back to the SEIAA, Kerala with specific directions. The 113<sup>th</sup> meeting of SEIAA decided to (i) forwarded the order of the Hon. NGT to SEAC and the Project Proponent for compliance of the directions of the Hon'ble Tribunal, (ii) place the slope stabilization report before SEAC, (iii) direct SEAC to obtain all reports from Project Proponent as directed by NGT and assess the EC proposal and give definite recommendation to SEIAA as directed by NGT and verify the veracity of the mass petitions received during the field inspection with notice to them. Accordingly, the Committee decided to direct the proponent to submit the following details within one month:

- a. An explanation for the contradictory statements with respect to the biodiversity details in the Environmental Management Plan and Pre-Feasibility Report submitted.
- b. A detailed study regarding the flora and fauna and the biological environment available in that area and the mitigation plan for protecting the same as directed by the Tribunal
- c. A work plan for the implementation of the recommendations of the slope stabilization study.
- d. The details of CER proposed and its compliance status.
- e. Response to the complaints raised by the Arimbra Mala Samrakshana Samithi.

The Committee decided to conduct a field inspection and provide a detailed report to the SEIAA after obtaining the details from the proponent within one month.

**28. Environmental clearance for the proposed quarry project in Survey No. 163 (Block No.22),2/2-2,2/4-3,2/4-2,3/1-2,2/3,2/2-3,2/4-4,2/4-5 (Block No.27) in Urangattiri Village, Ernad Taluk, Malappuram District, Kerala by Mr. K.V. Moideenkoya, M/s Kallarattikkal Granites (File No. 1230/EC2/2019/SEIAA)**

**Decision:** The 111<sup>th</sup> meeting of SEAC recommended rejection of the proposal as the area fall under high landslide risk area. As requested by Proponent, the Authority gave an opportunity to the proponent to submit all the documentary evidences in proof of his claims within one week and post the case back to SEAC for re-examination. The 119<sup>th</sup> meeting of SEAC heard both the proponent and the complainant and directed the proponent to submit documentary evidences and measures for scientific slope stabilisation of the proposed site, studied and suggested by an institute of national repute. The Proponent submitted a technical report of landslide zonation mapping and slope stability analysis of the quarry site conducted by the National Institute of Technology Karnataka, Surathkal. The 123<sup>rd</sup> meeting of SEAC heard the presentation on the report by the RQP and decided to direct the proponent to submit a detailed report of landslide zonation mapping and slope stability analysis of the quarry based on the study conducted with proper smaller grid size and in wet conditions (for sheer strength) and the inferences supported by adequate data and desired a presentation by the Scientist who prepared the report. The Proponent submitted the landslide analysis report of



the quarry and the same was placed in the 124<sup>th</sup> meeting of SEAC. The Committee discussed the report and examined the details submitted by the proponent and decided to recommend the rejection of the proposal due to (i) the report submitted is not based on site- specific field data, (ii) the calculation of Factor of Safety of slopes is based on assumptions and is questionable, (iii) the slope material is not homogeneous and the minimum value of friction angle is to be considered for factor of safety calculation which is not done in the study and (iv) the friction angle of the material under saturated condition is not estimated in a geotechnical laboratory and (v) the influence of joints is not considered in the stability analysis. The 112<sup>th</sup> meeting of SEIAA agreed to the recommendation of SEAC to reject the proposal. The proponent further requested presentation of the report by the Scientist of National Institute of Technology Karnataka (NITK), Suratkal and The 113<sup>th</sup> meeting of SEIAA decided to give one more last opportunity to the Project Proponent to present the case before SEAC, adhering to the Principles of Natural Justice. Accordingly, the Committee decided to give an opportunity to the Scientist of the National Institute of Technology Karnataka (NITK), Suratkal, who prepared the report, for making a presentation before the Committee.

**29. Environmental Clearance for the building stone quarry project in Survey Nos. 138(pt), 836(pt), 837(pt), 839(pt), 847(pt) of Killimangalam Village, Thalappilly Taluk, Thrissur District, Kerala. – Judgment dated.29.09.2021 in WP(C) No.20472/2021 - Revalidation of EC – (File No.855/SEIAA/EC12979/2015)**

**Decision:** The 126<sup>th</sup> meeting of SEAC decided to recommended cancellation of the EC and issue stop memo urgently and initiate violation procedure as the proponent violated EC conditions as per the letter from the IRO, MoEF&CC, Bangalore. The Proponent submitted the documents required for revalidation and on 25.04.2022 requested to consider the proposal for EC revalidation as they have received the ‘Satisfactory’ Compliance Report from the IRO, MoEF & CC. The Committee decided to conduct a field inspection for assessing the feasibility of revalidation and entrusted Dr. R. Ajayakumar Varma and Shri.S.Sheik Hyder Hussain for field level appraisal.

**30. Environmental clearance for the quarry proposed quarry project in Sy.No.431 at Vayakkara Village, Taliparamba Taluk, Kannur District, Kerala by Sri.T.P.AbdulBasheer(Judgment in WP© No. 4804/2021 filed by T.P.AbdulBasheer-regarding the validity of EC). (File No.817/EC4/2021/SEIAA)**

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

**31. Environmental clearance for the quarry proposed quarry project in Re Sy.No.424/3,425/1 at Maruthonkara Village, Maruthonkara Panchayth Vadakara Taluk, Kozhikode District, Kerala by Sri.Samile.M.Anto (Judgment in WP© No. 19039/2020 filed by Sri.Smile.M.Anto- regarding the validity of EC). (File No.2452/EC4/2020/SEIAA)**

**Decision:** The Committee examined the proposal and details submitted and decided to entrust Dr.C.C Harilal & Dr.A.N Manoharan for field inspection and report. The team shall also verify the veracity of the complaint received that the quarry is operated close to PWD road and river within 50 meters.

**32. Environmental Clearance for the proposed granite building stone quarry in Re.Sy.No.196, 1293 in Ayyankunnu Village, Iritty Taluk, Kannur District Kerala- Judgment dated 10.02.2021 in the WPC No.27890/2020 filed by Sri.Usman,Kannur before the Hon'ble High Court of Kerala (SIA/KL/MIN/129447/2019) (File No.1538/EC3/2019/SEIAA)**

**Decision:** The Committee discussed the field inspection report and accordingly it has been decided to seek a detailed slope stability study done by a national agency of repute since the project site falls in the Moderate hazard zone in continuation with the high hazard zone which is at a distance of 43m. Besides this, an abandoned quarry with a vertical phase of about 85m is found on the east and southeast side of the proposed project area. This land is understood to be owned by the proponent. It is desirable that this abandoned quarry is protected with fencing after leaving a buffer zone to avoid danger to man and animal. During the field inspection, the proponent shared a report stating that the slope stability study was conducted already. However, on scrutiny, it is found that the study was conducted for some other area with cover alone mentioning the project area.

**33. Application for Environmental Clearance for the Granite Building Stone Quarry project in Survey No 326/2-9 in Eramalloor Village, Kothamangalam Taluk, Ernakulam District, Kerala for an extent of 0.5522 Ha of land by Sri. P.M. Moitheen –Review petition- Proposal No: SIA/KL/MIN/145890/2020 (Online rejected proposal)File No: 1430/EC3/2019/SEIAA**

**Decision:** The Committee discussed the field inspection report and other documents received and observed that the proposal was rejected at the presentation stage, as the proponent and RQP could not convince the committee that adequate resource is there to extract. Based on the request of proponent and direction of SEIAA, SEAC conducted a field inspection and found that the resource available as per mining plan can be considered for exploitation. There

is a built structure at a distance of 35.8m from the project area. In the circumstance, the committee decided that the project cannot be recommended for EC.

**34. Judgment in WP (C) 7697/2021 (J) filed by Smt. Bindhu P.A., Thevarmadom Granites - regarding the Revalidation of EC. (File No. 997/EC3/4906/2015)  
Field Inspection Report Received**

**Decision:** The Committee discussed the field inspection report and decided to consider the revalidation of EC only after completion of the following actions and submission of additional documents.

- a. Construct gabion wall and submit geotagged photographs
- b. Clear the OB dumped at different locations of the project site and submit geotagged photographs
- c. Certificate showing the mineable reserve extracted till date and balance quantity from DMG.
- d. Correct the benches and submit geotagged photographs
- e. Plant indigenous and fruit bearing trees at North-East boundary and submit photographs
- f. Submit a compensatory afforestation plan and provide geo-tagged photograph of the location proposed for afforestation.
- g. Plant indigenous plants at the northern side of the overburden dump and submit geotagged photographs
- h. The boundary pillars should be marked with lat -long details and submit geotagged photograph

**PART 1**

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

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

2. **SIA/KL/MIN/129766/2019 , 1616/EC2/2020/SEIAA  
Environmental Clearance for quarry over an extent of 0.7161 Hectares in Sy. Nos. 30/3-2, 30/3-3, 30/3- 4,30/14, 37/5- 1, 37/5-2 & 37/5-3 at Veliyam Village, Kottarakkara Taluk, Kollam**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

3. **SIA/KL/MIN/131195/2019 , 1577/EC3/2019/SEIAA**  
**Environmental Clearance for the proposed Granite Building Stone quarry at Re. Survey No. 292/1A of New Naduvil Village, Thaliparamba Taluk, Kannur District, Kerala for total permit area of 0.8893 Ha**

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

4. **SIA/KL/MIN/132154/2019 , 1618/EC2/2019/SEIAA**  
**Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re Sy. Nos. 272/3, 272/4, 272/5 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.7969Ha of Aishwarya Granite**

**Decision:** The Committee verified the documents submitted by the Proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

5. **SIA/KL/MIN/132702/2019 , 1726/EC2/2020/SEIAA**  
**Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri.Byju T.V’ over an extent of 1.5913 Ha. (3.9321 Acres) at Sy No. 506/2 Pt, Kanjirangad Village, Mananthavady Taluk, Wayanad District, Kerala**

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

6. **SIA/KL/MIN/132745/2019, 1570/EC1/2019/SEIAA**  
**Building Stone Mine ( Quarry, Minor Mineral Mining ) project of M/s Plaza Crusher Metals at Re-Survey Nos. 143/24, 3, 13, 14, 21, 23 at Ananganadi Village, Ottappalam Taluk, Palakkad District, Kerala**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.K.Vasudevan Pillai for field inspection and report.

7. **SIA/KL/MIN/133398/2019 , 1670/EC6/2020/SEIAA**  
**Environmental Clearance for Building Stone Quarry of M/s Chaliyar Stone Crusher over an extent of 2.8766 Ha. Re Sy Block No:1, Re Sy No:93/58, 93/59 in Pullippadam Village, Nilambur Taluk, Malappuram District, Kerala by Sri.Kunhali V.M**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC with a Project Life of 10 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. The PP should submit an affidavit to the effect that all the built structures will be demolished before mining.
- b. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
- c. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- d. The drainage along with silt traps, siltation ponds and outflow channel should be desilted periodically and geotagged photographs should be incorporated in the Half Yearly Compliance Report.
- e. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

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

**Environment clearance in respect of the Proposed Granite Building Stone Quarry over an extent of 1.6939 Hectares in Re-Survey Nos. 223/2pt and 227/1pt of Alakode Village, Thodupuzha Taluk, Idukki District, Kerala by Mr.Binoy Jose.**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 63.7m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. A sworn affidavit should be submitted with an undertaking that the approach road leading to the quarry will be widened before the commencement of quarrying
- b. Depth of mining should be limited to 10 m below the lowest ground level of the project area.
- c. A drainage channel from the quarry pit to the nearest natural drain should be constructed to maintain maximum depth of water column in the quarry pit at 5m.
- d. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- e. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.

- f. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years
- g. Compensatory afforestation should be done with trees of indigenous species and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- i. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**9. SIA/KL/MIN/134824/2020 , 1729/EC2/2020/SEIAA**

**Environment Clearance for granite Building Stone Quarry of Mr.Safarulla .k at Re-Sy. No- 320/1,321/2 of Vorkady Village, ManjeshwaramTaluk, Kasaragod District of Kerala for an extent of 0.1920 Ha**

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

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

**Environmental Clearance for granite Building Stone Quarry project in Re-Sy. No. 244/2 of Elamadu Village, KottarakkaraTaluk, Kollam District, Kerala for an extent of 0.3615Ha of land by Sri. A. M. Chackochan, Aishwarya Granites**

**Decision:** The Committee examined the proposal in detail and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection and report.

**11. SIA/KL/MIN/136154/2020 , 1609/EC1/2020/SEIAA**

**Environmental Clearance for Building Stone Quarry of Mr. Abdul Vahid.A over an extent of 1.6980 Ha. Block No: 37, Re Sy 111/1,110/2,110/2-1 in Nagaroor Village, ChirayinkeezhuTaluk, District-Thiruvananthapuram, Kerala (COMPLAINT RECEIVED)**

**Decision:** The Committee examined the proposal in detail and decided to entrust Dr. R. Ajayakumar Varma and Dr. A. Bijukumar for field inspection and report.

**12. 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, MuvattupuzhaTaluk, Ernakulam District,Kerala State**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 94.8m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions:

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- c. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**13. SIA/KL/MIN/136866/2020 , 1719/EC3/2020/SEIAA**

**Environment Clearance for mining permit of “Granite Building Stone Quarry of M/s. Kadanadu Granites” over an extent of 0.7452 Ha.(1.8413 Acres) in Block No. 30, Re-Sy. Nos. 327,1-1 & 327/1-1-1, Kadanadu Village, Meenachil Taluk, Kottayam District, Kerala State, India**

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

**14. SIA/KL/MIN/137503/2020 , 1720/EC3/2020/SEIAA**

**Granite Building stone quarry of “Mr.Saji Sebastian, Sy.No: 128/3Bpt,128/4pt,129/1-4pt,129/2-1pt, in Arakkuzha Village, MuvattupuzhaTaluk, Ernakulam District, Kerala State**

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

**15. SIA/KL/MIN/138173/2020 , 1692/EC2/2020/SEIAA**

**Environmental Clearance for granite Building Stone Quarry of Mr.ZaiulAbideen at - Sy. No 573/1 of Parappa Village, Vellarikund Taluk, Kasaragod District of Kerala for an extent of 0.6800 Ha (Mining area-0.4432 Ha, Buffer area-0.2368 Ha)**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 68.49m. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions:

- a. Retaining wall should be provided for the overburden storage area to a height of about 2m.
- b. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- c. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- d. Green belt development in the buffer should be done in the first year of the project itself using only good canopy native tree species and it should be nurtured and maintained in subsequent years.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**16. SIA/KL/MIN/138465/2020 , 1608/EC1/2020/SEIAA**

**Environment Clearance for mining lease of “Granite Building Stone Quarry of Shri.Sathyan.C” over an extent of 2.8552 Ha. (7.0551 Acres) Re-Sy. Block No. 26, Re-Sy. Nos. 156/1, 156/2,156/3 & 156/3-1, Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 58.5 m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 8 years subject to



review after 5 years. The Committee also suggested the following specific conditions in addition to the general conditions:

- a. All the boundary pillars should be replaced with concrete pillars with geo-coordinates written on it and submit geo-tagged photographs as proof prior to the commencement of mining.
- b. OB location should be shifted to lower level, between BP1 and BP2, outside the boundary of the project and the location should be marked on a map and submitted before the commencement of mining.
- c. The entire boundary of the project area should be protected with proper fencing.
- d. The width of the road should be widened to 8m before the commencement of quarrying.
- e. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- f. Compensatory afforestation should be done with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- g. Quarrying operations should be limited 85m above MSL
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- i. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- j. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- k. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- l. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**17. SIA/KL/MIN/140230/2020 , 1390/EC2/2019/SEIAA**

**Environmental Clearance for the Granite Building Stone Quarry of Mr. A.N Sadasivan Nair over an extent of 0.9966 Ha at Sy No 871, 875 in Perumpilavu Village, Thalappilly Taluk (Kunnamkulam –New Taluk), Thrissur District, Kerala**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 59.1m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions

- a. The entire project area should be protected with fencing and fencing between the boundary pillar BP 4 and BP5-should be more strong as the boundary here share the boundary of a deep quarry pit.
- b. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.
- h. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- i. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- j. Green belt development in the buffer should be done in the first year of the project itself using only good canopy native tree species and it should be nurtured and maintained in subsequent years.
- k. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- l. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

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

**Environmental Clearance for granite Building Stone Quarry project in ReSy.No. 268/1 of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala for an extent of 0.9957 Ha of land by Sri. A. M. Chackochan, Aishwarya Granites**

**Decision:** The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection.

**19. SIA/KL/MIN/142845/2020 , 1409/EC2/2019/SEIAA**

**Environmental Clearance for Granite Building Stone Of Mr.V.V.Divakaran over an extent of 1.3990 Ha at Re Survey Nos. 355/2, 355/5 (Block No. 26) of Muthuthala Village, Pattambi Taluk, Palakkad District, Kerala**

**Decision:** The Committee examined the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.Vasudevan Pillai for field inspection.

**20. SIA/KL/MIN/142917/2020 , 1659/EC6/2020/SEIAA**

**Application for Environmental Clearance for the Building Stone Quarry project in Sy. Nos. 453/1 of Arakkuparamba Village, Perinthalmanna Taluk, Malappuram District, Kerala for an area of 0.6340 Ha by Sri.Unnikrishnan**

**Decision:** The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection and report.

**21. 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 & 3/2 at Shoranur II Village, Ottappalam Taluk, Palakkad District, Kerala for an area of 2.4946Ha of land by Sri. Dilip Kumar K, Managing Partner, M/s Capital Granites**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 107m. The Committee discussed the field inspection report and decided to recommend EC with a Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. Retaining wall should 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. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- c. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- d. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
- e. Compensatory afforestation to compensate for the difficulties to develop green belt in the south-eastern side of the project area with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR
- f. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- g. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- h. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

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

**Environmental Clearance for granite Building Stone Quarry project in Re-Sy. Nos. 109/3, 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam for an extent of 0.9993 Ha of land by Sri. A. M.Chackochan, Aishwarya Granites**

**Decision:** The Committee examined the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt. Beena Govindan for field inspection.

**23. SIA/KL/MIN/147588/2020 , 1643/EC1/2020/SEIAA**

**Environmental Clearance for Building Stone Quarry M/s Kannanthanam & Company over an extent of 0.4200 Ha. Re Survey no.372/3, of Pallichal Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala**

**Decision:** The Committee examined the documents submitted by the proponent and field inspection report in detail and found that the area is dilapidated and degraded due to indiscriminate mining of building stones. Further, there is a defence installation within 200m. The Committee decided to seek the following.

- a. Legal Opinion regarding the distance to be maintained from defence installation for mining operation, if any.
- b. A report from the District Administration regarding the prohibition, if any, for quarrying in the area.
- c. Re-examine the feasibility based on the current scenario.

**24. SIA/KL/MIN/148123/2020 , 1658/EC6/2020/SEIAA**

**Environmental clearance for Granite building stone quarry of Mr.Kunhalan .K, for an extent of 0.8165 Ha Re. Sy. Nos. 211/1, 211/3-2 (Block No. 59) of Pulpatta Village, Eranad Taluk, Malappuram District, Kerala**

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

**25. SIA/KL/MIN/32061/2019 , 1622/EC2/2020/SEIAA**

**Granite Building Stone Quarry of M/s. Nellimunda Granites and Sands Pvt Ltd" over an extent of 1.1341Ha (2.8026 Acres) at Re Sy No.374/752 & 374/738, Valad Village, Mananthavady Taluk, Wayanad**

**Decision:** The Committee examined the documents submitted by the proponent. The proposal seems to be requiring clearance from the NBWL. The Committee decided to entrust Dr.K.N.Krishnakumar & Dr.Mahesh Mohan for field inspection and report. The team shall also verify the documents submitted by the proponent especially the copy of application submitted for Wildlife Clearance.

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

**Granite Building Stone Quarry of Mary Elias at Survey No. 307/1A/6/4/5 of Kottapady Village of Kothamangalam Taluk of Ernakulam District, Kerala in an extent of 0.9843 Ha**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure as per the certified survey map is 137m. However, the distance to nearest house is given as 51.54 m in the EMP. The Committee discussed the field inspection report and decided that the project is feasible to be recommended for EC with Project life of 5 years subjected to submission of the copy of the application submitted to NBWL for Wildlife Clearance as the site is at a distance of 9km from the Thattekkad Bird Sanctuary. The following specific conditions in addition to general conditions may be made applicable while issuing environmental clearance.

- a. Another quarry is operating at a distance of about 100 m away from the proposed project area and hence care should be taken to avoid simultaneous blasting. The blasting time-table of both the quarries should be fixed at different times through mutual consultation and it should be informed to SEIAA prior to commencement of mining.
- b. The eastern and south-eastern portion of the boundary of the project falls in an abandoned quarry. Therefore, providing buffer zone on the area is difficult. The proponent should undertake compensatory afforestation in the first year itself.
- c. Compensatory afforestation should be done with indigenous species of trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- d. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- e. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- f. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- g. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- h. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report
- i. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

A quarry, located at about 100 m from the northern boundary of the proposed quarry under consideration, seems to be violating the approved mine plan and the EC issued as the blocked reserve seems to have been mined and appropriate benches have not been provided. Moreover, the top soil is seen removed from the buffer area and kept at top most areas. Therefore, the District Geologist, Department of Mining & Geology may be addressed to conduct a field level verification and take appropriate action with immediate effect.

**27. SIA/KL/MIN/93154/2019 , 1235/EC2/2019/SEIAA**

**Application for Environmental Clearance for the Granite Building Stone Quarry project in Re Sy.No 92/pt of Pulpatta Village, Ernad Taluk, Malappuram District, Kerala for an area of 1.7396 Ha by Mohammed Kunhi Haji**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 130m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 12 years subject to review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions.

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- c. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
- j. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- k. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- l. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.

- m. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

## **PART 2**

**1. SIA/KL/MIN/136899/2020 , 1830/EC4/2020/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of M/s Surya Crusher &Hollow at Re.survey No9/1A,335 in Kolavallur village, ThalasseryTaluk, Kannur District, Kerala for an extent of 2.0233 Ha**

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

**2. SIA/KL/MIN/140565/2020 , 1744/EC4/2020/SEIAA**

**Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re - Sy. No. 159/447 (159/1A1) of Thinur Village, VadakaraTaluk of Kozhikode District., Kerala for an extent of 0.9996 Ha**

**Decision:** The Committee examined the documents submitted by the proponent and entrusted Dr.C.C.Harilal & Dr.A.N.Manoharan for field inspection and report. The Committee also noted that the proponent has to submit the following additional documents:

- a. Revised Environmental Management Plan
- b. Landuse/Landcover map of area covering 500 m radius of the project

**3. SIA/KL/MIN/142599/2020 , 1773/EC6/2020/SEIAA**

**Granite Building Stone Quarry of Mithun.K, M/s.Vezhakkode Granites at Survey No. 161/2, 161/3, 161/4, 145/1 of Urangattiri Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.8949 hectares.**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions

- a. The seasonal water flow along the south east part of the site (outside) should not be disturbed.
- b. Before blasting the columnar rocks should be removed using rock breaker.
- c. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.

- d. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
  - e. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
  - f. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
  - g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
  - n. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
  - o. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
  - p. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.
- 4. SIA/KL/MIN/142846/2020 , 1713/EC3/2020/SEIAA**  
**Granite Building Stone Quarry of M/s. T. J. Granites Pvt. Ltd” over an extent of 2.0005 Ha in Re-Sy. Nos.326/1-2, 326/1-3, 326/1-4, 326/1-5 & 326/1-7 in Bharanganam Village, Meenachil Taluk, Kottayam District, Kerala State, India, by Shri. Jaison Jacob (Complaint from Shri. Sreejith C. Nair, Edamaruku Paurasamithy, Kottayam dated 21-01-2022)**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr.Mahesh Mohan & Dr.K. N. Krishnakumar for field inspection and report. The team shall also verify the veracity of the complaint filed.

- 5. SIA/KL/MIN/146311/2020 , 1712/EC3/2020/SEIAA**  
**Environmental Clearance for the building stone quarry at Survey No.66/1,66/2A,66/2A,66/2B,128/2A,128/2B3,128/2B2,128/3A,128/3B2,of Arakkuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 1.7634 Ha by SAJI SEBASTIAN**

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



**6. SIA/KL/MIN/148500/2020 , 1711/EC6/2020/SEIAA**

**Laterite Building stone Quarry project of Sri.AhammedNasar.M in Resurvey No. 27, 29/1 of Athavanad Village, TirurTaluk, Malappuram District, Kerala for an extent of 0.1940Ha**

**Decision:** The committee deferred the item for detailed scrutiny

**7. SIA/KL/MIN/150672/2020 , 1680/EC1/2020/SEIAA**

**Granite Building Stone Quarry in sy no.142/1 Thachanattukara Village, Mannarkadu Taluk, Palakkad District, Kerala by Muhammded Mamunni**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection and report.

**8. 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**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 118.2m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 10 years subject to the review every 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. The garland canal, silt traps, siltation pond and outflow channel should be provided covering the entire project area.
- b. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- c. Green belt development in the buffer should be done in the first year of the project itself using trees of indigenous species and it should be nurtured and maintained in subsequent years
- d. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- e. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- f. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- g. The overburden dumping site should be located at the lowest portion of the project area and it should be protected with appropriate retaining wall.
- h. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**9. SIA/KL/MIN/152637/2020 , 1706/EC6/2020/SEIAA**

Laterite Building Stone Quarry of Mohammed Faisal in Re-Survey Nos. 57/12, 57/13 & 57/1 of Valambur Village, Perintalmanna Taluk, Malappuram District, Kerala for an extent of 0.969675 Ha

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions

- a. An affidavit stating that the traffic management plan submitted by the proponent will be implemented.
- b. Mining should be carried out by providing benches at every 2m.
- c. Proper drainage from the mine site should be ensured.
- d. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.
- e. The proponent should undertake phased restoration and shall complete it before the completion of the mining operations. Cultivation of short-duration food crop cycles may be promoted on the restored area.
- f. The filled-up pits with the waste/OB materials should be covered with freshly removed soil mixed with sufficient organic matter to ensure fast raising of vegetation with no alien invasive species.

**10. SIA/KL/MIN/156925/2020 , 1743/EC4/2020/SEIAA**

**Environmental Clearance for the Proposed Laterite Building Stone Quarry of Mr.Saneesh K at Sy. No 46/726, 727, 728, 729, 730, 731, 732, 733 of Kalliad Village, IrittyTaluk, Kannur District of Kerala for an extent of 0.9711 Ha**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 3 years subject to the following specific conditions in addition to the general conditions

- a. Mining should be carried out by providing benches at every 2m.

- b. Proper drainage from the mine site should be ensured.
- c. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.
- d. The proponent should undertake phased restoration and shall complete it before the completion of the mining operations. Cultivation of short-duration food crop cycles may be promoted on the restored area.
- e. The filled-up pits with the waste/OB materials should be covered with freshly removed soil mixed with sufficient organic matter to ensure fast raising of vegetation with no alien invasive species.

**11. SIA/KL/MIN/158149/2020 , 1786/EC4/2020/SEIAA**

**Environmental Clearance for the Proposed Granite (Building Stone) Quarry of Shri. Ravi Paleri at Sy. No. 138/2 of Kolavallur Village, Thalassery Taluk of Kannur District., Kerala for an extent of 0.5710 Ha**

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

**12. SIA/KL/MIN/160638/2020 , 1721/EC2/2020/SEIAA**

**Environmental Clearance for Building Stone Quarry of Mr.S.Sundarasan over an extent of 0.7678 Ha. Re Survey no.114/2-1,115/6-4-2,113/6,113/4-2,113/13, of Puthoor Village, Kottarakkattaluk, Kollam District**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr. R. Ajayakumar Varma & Smt.Beena Govindan for field inspection and report.

**13. SIA/KL/MIN/161967/2020 , 1747/EC1/2020/SEIAA**

**Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos. 98/2-1, 98/1, 98/1-1 in Nellanad Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala by Sri. Abdul Nazar A**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Er. M. Dileepkumar & Dr. A. Biju Kumar for field inspection and report.

**14. SIA/KL/MIN/162481/2020 , 1742/EC4/2020/SEIAA**

**Environmental Clearance for the Proposed Granite Building Stone Quarry of Sri Deepa N.K. at Sy. No 23/798, 23/912 of Kalliad Village, Iritty Taluk, Kannur District of Kerala for an extent of 0.5567 Ha**

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

**15. SIA/KL/MIN/162661/2020 , 1748/EC1/2020/SEIAA**

**Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Block No: 25 Re-Survey Nos. 191/1-3, 192/1-4, 192/1-3, 192/2, 193/20, 193/20-1, 180/4, 180/3-1, 180/3-2 in Perumkadavila Village, Neyyattinkara Taluk, Thiruvananthapuram District, Kerala by M.R Jayasree, Managing Partner of M/s Saroj Realtors and Builders**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Er. M. Dileepkumar & Dr. Biju Kumar A for field inspection and report.

**16. SIA/KL/MIN/163150/2020 , 1749/EC1/2020/SEIAA**

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

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.N.Krishnakumar & Dr.K.Vasudevan Pillai for field inspection and report.

**17. SIA/KL/MIN/163190/2020 , 1750/EC1/2020/SEIAA**

**Environmental Clearance for the proposed Granite (Building Stone) Quarry with Lease at Re- survey no. 547 in Melarkode village, Alathur Village, Palakkad District, Kerala by Mr.Jacob Barry**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Dr.K.Vasudevan Pillai & Dr.K.N.Krishnakumar for field inspection and report.

**18. SIA/KL/MIN/163594/2020 , 1756/EC3/2020/SEIAA**

**Granite Building Stone Quarry of Mr.Dineesh Vijayan at Re. Sy. No. 140/2, 140/2-1, 140/2-1-1 of Vallichira Village, Meenachil Taluk, Kottayam District of Kerala for an extent of 0.7137 Ha**

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

**19. SIA/KL/MIN/163826/2020 , 1837/EC6/2020/SEIAA**

**Granite Building Stone Quarry Owned by Shaukathali A.K. situated in Pullippadam Village, Nilambur Taluk, Malappuram District, and Kerala for an area of 1.3230hectares**

**Decision:** The Committee verified the documents submitted by the proponent and decided to entrust Shri.S.Sheik Hyder Hussan & Dr.Ajayakumar Varma for field inspection and report.

**20. SIA/KL/MIN/164222/2020 , 1757/EC3/2020/SEIAA**

**Environmental Clearance for the building stone quarry at ReSurveyNo.171/8,of Airapuram Village, Kunnathunad Taluk, Ernakulam District, Kerala for an Area of 0.9995 Ha. By N S GANESH**

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

**21. SIA/KL/MIN/173261/2020, 1431/EC3/SEIAA/2019**

**[Conversion ToR (SIA/KL/MIN/41944/2019, 1431/EC3/SEIAA/2019) to EC] Environmental Clearance for the Proposed Granite Building Stone Quarry of Mr. Rajeevan P.V at Re Survey No 5 of Thimiri Village, Taliparamba Taluk, Kannur District, Kerala for an extent of 0.9936 Ha**

**Decision:** The Committee decided to adhere to the decision No.5 in Part 5 (ToR-SIA/KL/MIN/41944/2019, 1431/EC3/SEIAA/2019) taken in its 127<sup>th</sup> meeting.

**22. 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**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 7 years subject to the following specific conditions in addition to the general conditions

- a. The 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 a modified type of ASP) should be used for establishing 98 KLD STP. This is to ensure that the quality of treated water will be fit for re-use /recycle and for

flushing/gardening/ fire fighting / HVAC make up water/recharge of local ground water.

- b. Adequate built-in composting facility should be set up for the treatment of biodegradable waste as the capacity or the number of BIOBIN proposed is inadequate.
- c. Adequate and covered storage area should be provided for the storage of non-degradable waste generated for at least 30 days. Additional space should also be provided for the storage of Hazardous Waste and E- waste. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.
- d. Fruit Bearing Trees of indigenous species should be planted in the Green Belt area / open space, compensatory afforestation area/ children play area, including avenue plantations. Vegetation should also be provided over built structure such as roofs, basements, podiums etc to the maximum extent possible.
- e. Pumping from the borewells should be limited to the safe yield determined through pumping test conducted.
- f. 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
- g. Appropriate storm water drainage plan should be implemented covering the entire project area and considering the soil cover and levels of the project area and adjoining areas.
- h. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
- i. Usage of energy saving 5 star rating equipment such as Solar Geyser and LED lamps should be promoted as part of energy conservation.
- j. The CRZ restrictions, if applicable, should be complied with.
- k. Two line plumbing system should be established for ensuring reuse of treated waste water for flushing and such other uses.
- l. Climate responsive and Green Building Guidelines should be adopted and the roof area and covered parking should be covered with material having high solar reflective index.
- m. The building design should ensure that it will cater to the differently-abled citizens.
- n. The design of the building should be in compliance with Energy Conservation Building Code as applicable.
- o. CER Plan should be implemented as proposed.
- p. EC application may be processed only after production of the Proof of application to NBWL for Wildlife Clearance.
- q. EC may be issued subject to Wildlife clearance and CRZ Clearance

## **CONSIDERATION OF TOR PROPOSALS**

**1. SIA/KL/MIN/73783/2022 , 1938/EC3/2022/SEIAA**

**Terms of Reference for Proposed Granite Building Stone Quarry of Mr. K J Thomaskutty at Alakkode Village, Thodupuzha Taluk, Idukki District, Kerala for an extent of 4.5868 Ha**

**Decision:** The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures and breach potential of stored water in abandoned quarry pits.

**2. SIA/KL/MIN/73550/2022 , 1960/EC1/2022/SEIAA**

**Proposed Granite Building Stone Quarry in Survey No. 390/1a Of Thachanattukara-I & 54/8 Of Thachanattukara-Ii Village, Mannarkkad Taluk, Palakkad District, Kerala**

**Decision:** The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

**3. SIA/KL/MIN/72422/2022 , 1935/EC1/2022/SEIAA**

**Proposed New Building Stone (Minor Mineral) Mining project of M/s Daiwik Industries Pvt. Ltd. in Survey Nos. 345/3, 345/3-1, 345/4, 345/6, 346/1-1, 346/1-2, 346/1-3, 346/1-4, 346/1-5, 346/1-7, 346/1-8, 346/1-9, 346/2-1, 346/3, 346/4, 347/1, 347/2, 347/2-1, 347/2-3, 347/2-4, 347/3-2, 347/4, 347/5, 354/1-3, 354/1-5, 354/1-5-1, 354/1-7, 354/1-7-1, 354/1-16, 355/6, 355/7, Block No. 48, Aryanad Village and Panchayat, Nedumangad Taluk, Thiruvananthapuram District, Kerala**

**Decision:** The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

**4. SIA/KL/MIN/74947/2022 , 1983/EC6/2022/SEIAA**

**Terms of Reference for the Proposed Granite (Building Stone) Quarry in Re-Survey No. 231/1,226/1 of Elankur Village, Ernad Taluk, Malappuram District, Kerala for an extent of 2.1058 Ha**

**Decision:** The Committee examined the application for ToR and discussed the proposal and decided to approve Standard Terms of Reference along with additional studies on slope stability, impact of vibration on nearby houses and built structures, impact of hydrologic modification, if any, and impact on biodiversity.

### **PART 3**

**1. SIA/KL/MIN/127122/2019 , 1562/EC1/2019/SEIAA ](FIR Received)**

**Granite quarry of Mr. Mathew Daniel for an extent of 2.23.92 Ha in survey No. 340/1/99-1, 340/1/99-2, 340/1/102/2-1, 340/1/100/3, 340/1/100-4, 340/1/100-1, 340/1/100-2, 340/1/102-2, 340/1/103-1 At Enadimangalam Village, Adoor Taluk, Pathanamthitta District, Kerala**

**Decision:** The Committee verified the proposal and decided to direct the proponent to submit the revised CER as discussed during field verification.

**2. SIA/KL/MIN/131090/2019 , 1571/EC2/2019/SEIAA ](FIR Received)**

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

**Decision:** The committee deferred the item for detailed scrutiny.

**3. SIA/KL/MIN/133893/2019 , 1788/E2/2020/SEIAA ](FIR Received)**

**Environment Clearance for mining of ‘Granite Building Stone Quarry of M/s. Pulpally Stone Crushers’ over an extent of 0.7905 Ha. (1.9533 Acres) at Re-Sy. Nos. 399/1, 399/15 & 399/18, Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala by Binoj K Baby**

**Decision:** The committee deferred the item for detailed scrutiny.

**4. SIA/KL/MIN/136067/2020 , 1587/EC1/2020/SEIAA ](FIR Received)**

**Granite Building Stone Quarry of M/s. Adani Vizhinjam Port Private Limited” over an extent of 1.9274 Ha. (4.7626 Acres) at Re-Survey Block. No:47, Re Survey. Nos. 133/4, 133/16, & 139/6 (Government land), Aryanadu Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 51m. The Committee discussed the



field inspection report and decided to recommend EC for a period of 6 years subject to the following specific conditions in addition to the general conditions.

- a. Proposal may be processed only after production of the Proof of application to NBWL for Wildlife Clearance and EC may be issued only after getting the wildlife clearance.
- b. Boundary Pillars should be fixed permanently with immediate effect.
- c. Garland drain should be provided covering the entire project area, siltation pond of appropriate volume should be provided at the lowest portion of the project area and outflow channel should be laid to the natural stream nearby. Silt-traps should be provided intermittently in garland drain and outflow channel. Garland drain, silt- traps, siltation ponds and outflow channel should be desilted periodically to prevent any obstruction to the drainage system.
- d. Blasting (NONEL) should be done only with a drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 375 gm of explosive in each hole of the array with a burden of 1.5m and spacing of 1m since there are 9 houses within the distance varying from 50-100m and 39 houses within 200m. An affidavit to this should be submitted by the Proponent.
- e. If the proponent desires to adopt blasting (NONEL) using a drill hole of diameter 115mm and depth 6.5m with burden ranging from 2.00 to 2.50 m and spacing of 2.50 to 3.00 m loaded with a higher quantity of explosives to the tune of about 20 – 25 kgs of explosives, as proposed in the Mine Plan, special permission from the SEIAA should be obtained after conducting a vibration impact study on various built structures within 200m from the project boundary by engaging a National Institute such as National Institute of Rock Mechanics and inference thereupon.
- f. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- g. Retaining wall of appropriate height should be provided at the overburden dumping site
- h. CER Plan should be implemented within the first 2 years and it should be operated and maintained till the mine closure plan is implemented
- i. Planting of trees for the development of green belt should be done before the commencement of mining and green belt should be nurtured and maintained during the entire project period till the mine closure plan is implemented
- j. Prior to the commencement of mining, temporary barrier should be provided wherever green belt cannot be developed due to the presence of barren rock
- k. Prior to the commencement of mining, temporary wall should be provided at the boundary adjacent to the houses and road
- l. Compensatory afforestation should be initiated prior to the commencement of mining in available land as tree planting is not feasible along some portion of the buffer zone
- m. An affidavit should be submitted indicating the land with geocoordinates where compensatory afforestation is proposed

- n. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- o. Haulage road should be maintained well with frequent sprinkling

**5. SIA/KL/MIN/136876/2020 , 1687/EC3/2020/SEIAA ](FIR Received)**

Granite Building Stone Quarry of Shri. Shine Mathew over an extent of 1.0336 Ha. (2.5540Acres)in BlockNo.13,Re-Sy. No. 541/2, Purappuzha Village, Thodupuzha Taluk, Idukki District, Kerala State, India.

**Decision:** The committee deferred the item for detailed scrutiny.

**6. SIA/KL/MIN/140590/2020 , 1791/EC2/2020/SEIAA ](FIR Received)**

Granite building stone quarrying is located in Re-Sy. Nos.382/1, & 382/5, Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala State over an extent of 0.7300 Ha by Sri. Joby John

**Decision:** The committee deferred the item for detailed scrutiny.

**7. SIA/KL/MIN/140622/2020 , 1722/EC3/2020/SEIAA**

Building stone quarry owned by Mr. Joy AM situated at Survey Nos. 158/5-1pt in the Arakuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an area of 0.2023 hectares (**PRESENTATION**)

**Decision:** As invited the proponent and Mr. D P Sreekumar, the RQP authorized by the Proponent were present. The RQP made the presentation. The Committee decided to entrust Dr. Mahesh Mohan & Dr. K.N.Krishnakumar for Field visit and report.

**8. SIA/KL/MIN/141091/2020 , 1863/EC3/2020/SEIAA**

Environmental clearance for Laterite Building Stone Quarry of Prince M.P. at Re - Survey No-83/2 in Edakattuvayal Village, Kanayannur Taluk, Ernakulam District, Kerala for an extent of 0.1940

**Decision:** The Committee on examined the documents decided to reject the application since there is built structure within 50m from proposed project area.

**9. SIA/KL/MIN/141299/2020 , 1854/EC6/2020/SEIAA**

**Application for Environmental Clearance for the Laterite Building stone quarry of Mr. Kunhi Mohammed over an area of 0.1536 hectares in Sy No. 8/1 located in Kuruva Village under Perinthalmanna Tehsil of Malappuram District Kerala.(Presentation)**

**Decision:** The proponent and RQP Dr. S. Zakkir were present. The RQP made the presentation. The Committee heard the presentation & examined the file and found that there is a house at 5m from the project boundary. It is stated that the laterite is proposed to be removed for the construction of the Proponent's own building. The RQP submitted that there are environmental advantages, if the laterite is removed. Considering these, it is decided to have a field inspection to verify the contention, as a special case. The Committee entrusted Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection.

**10. SIA/KL/MIN/151053/2020 , 1817/EC6/2020/SEIAA**

Application for the Granite Building Stone Quarry Of Mr.Kuttiamu Haji In Survey No:174, Cherukavu Village, Kondotty Taluk, Malappuram District, Kerala  
**(Presentation)**

**Decision:** As invited Mr. Noushad, authorized representative of the Proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee entrusted Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report. The Committee also directed the the proponent to submit the following additional documents:

- a. Recent Cluster Certificate
- 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 to ensure that the maintenance of the interventions undertaken can be done by the proponent during the remaining validity period of the EC.

**11. SIA/KL/MIN/153262/2020 , 1825/EC3/2020/SEIAA ](FIR Received)**

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

**Decision:** The committee deferred the item for detailed scrutiny.

**12. SIA/KL/MIN/156447/2020 , 1731/EC3/2020/SEIAA ](FIR Received)**

Environmental Clearance for the building stone quarry at Survey No.338/1A/20/D&D2 of Keerampara Village, Kothamangalam Taluk, Ernakulam District, Kerala for an Area of 0.9133 Ha. By Mr Shymon Anto

**Decision:** The committee deferred the item for detailed scrutiny.

**13. SIA/KL/MIN/161069/2020 , 1799/EC6/2020/SEIAA**

**Application for Environmental Clearance for the Granite Building Stone Quarry Of Mr.Abdul Rasack.P In Survey No:95/9-3,95/7-4 In Mankada Village, Perinthalmanna Taluk, Malappuram District, Kerala (Presentation)**

**Decision:** As invited the proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee decided to entrust Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection.

**14. SIA/KL/MIN/161938/2020 , 1727/EC2/2020/SEIAA ](FIR Received)**

Environment Clearance Granite Building Stone Quarry of Mr. Sudheesh A T at Re Survey No:129/20, 129/19,134/6,134/7 of Padichira Village, Sulthan Bathery Taluk, Wayanad District, Kerala for an area of 1.8407 hectares.

**Decision:** The committee deferred the item for detailed scrutiny.

**15. SIA/KL/MIN/164458/2020 , 1847/EC1/2020/SEIAA**

Granite Building Stone Quarry of Vijayan R, Veena Sadanam, Kattuputhussery, Pallikal (p.o), Thiruvananthapuram, Kerala in an extent of 0.3900 Ha (39.00Areas) in Pallikkal Village, Varkala Taluk, Thiruvananthapuram **(Presentation)**

**Decision:** As invited the proponent and RQP Dr. S. Zakkir, were present. The RQP made the presentation. The Committee entrusted Dr. R. Ajayakumar Varma & Dr. A. Bijukumar for field inspection. The Committee decided to direct the proponent to submit the following documents:

- c. Details of water source for the quarry requirement
- d. Detailed CER as per the existing OM

**16. SIA/KL/MIN/164464/2020 , 1784/EC3/2020/SEIAA ](FIR Received)**

Environmental Clearance for the building stone quarry at Survey No.892/15 of Arakuzha Village, Muvattupuzha Taluk, Ernakulam District, Kerala for an Area of 0.8990 Ha. By Mr. Jobin C Raju

**Decision:** The committee deferred the item for detailed scrutiny.

**17. SIA/KL/MIN/166718/2020 , 1866/EC6/2020/SEIAA ]**

**Application for Environmental Clearance for the Granite Building Stone Quarry of Khaja Hussain. K. K at Re Survey No: 26/9-277, 26/9-278, 26/9-102, 26/9-103, Re survey Block No: 2 in Thazhekkode Village, Perinthalmanna Taluk, Malappuram District, and Kerala for an area of 4.8127 hectares.(Presentation)**

**Decision:** As invited proponent, Mr. Khaja Hussain and Haneesh A.R, the Functional Area Expert were present. The Consultant made the presentation. The Committee entrusted Dr. R. Ajayakumar Varma & Shri.S.Sheik Hyder Hussain for field inspection. The Committee also directed the proponent to submit the following additional documents:

- a. Revised project cost.
- b. The CER is to be reworked and made as part of EMP as per the OM applicable.
- c. Compensatory afforestation plan along with geo co-ordinates of the area
- d. Consent of the land-owner where OB dump is proposed to be done.

**18. SIA/KL/MIN/167172/2020 , 1862/EC6/2020/SEIAA**

**Application for the Environmental Clearance for the Proposed Granite (Building Stone) Quarry in Re-Survey Nos. 89/ 3- 3, 82/ 1- 3, 82 /1 -4, 89 /1 -11, 82/ 1 - 2, 89/ 1- 3, 89/ 3- 2 in Block No: 13, Muthuvallur Village, Kondotty Taluk, Malappuram District, Kerala for an extent of 1.3301 Ha by Mr. Niyas P.V, M/s HI ROCK GRANITES PRIVATE LIMITED (Presentation)**

**Decision:** As invited proponent & RQP Sri. V K Roy were present. The RQP made the presentation. Nearest house is about 95m. Total proposed area is 1.330Ha and the mineable reserve is 2,94,750MT. The Committee entrusted Dr.C.C.Harilal & Shri.V.Gopinathan for filed inspection. The Committee directed the proponent to submit the geo-coordinates and details of the site proposed for Compensatory afforestation.

**19. SIA/KL/MIN/169289/2020 , 1843/EC6/2020/SEIAA**

**Application for Environmental Clearance for the Granite Building Stone Quarry Of Mr.Sudheermon.P.P In Survey No:217/4,In Pulpatta Village, Eranad Taluk, Malappuram district ,Kerala State(Presentation)**

**Decision:** As invited the proponent and RQP Sri. V K Roy were present. The RQP made the presentation. The Committee entrusted Shri. V.Gopinathan & Dr.A.V Raghu for field Inspection and report. The Committee directed the proponent to submit an action plan suitable for biodiversity conservation in the proposed area based on the status of the biodiversity in and around the location and considering the impacts anticipated.

**20. SIA/KL/MIN/173485/2020 , 1834/EC6/2020/SEIAA**

**Application for Environmental Clearance for the Granite Building Stone Quarry of Mr. Sameer P. at Re. Sy. No. 237/2, 237/1, 237/1-2 of Nediyruppu Village, Kondotty Taluk, Malappuram District of Kerala for an extent of 2.7047 Ha (Presentation)**

**Decision:** As invited proponent & RQP Dr. Jayaprakash were present. The RQP made the presentation. The Committee heard the presentation. The Committee entrusted Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report. The Committee also directed the proponent to suggest a specific water source for the project and submit a modified CER as per the existing OM.

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

**Environment Clearance for a mining lease of “Granite Building Stone Quarry of Shri. Anish Abraham” over an extent of 1.0 Ha. in Sy. Nos. 730, Vagamon Village, Peerumedu Taluk, Idukki District, Kerala.(PRESENTATION)**

**Decision:** As invited the Proponent and Consultants representing M/s. Global Environment & Mining Services were present. Sri. Cyriac Joseph made the presentation. The Committee entrusted Dr. K.N. Krishnakumar & Dr. Mahesh Mohan for field inspection and report. The Committee also directed the proponent to submit the following additional documents

- a. Compensatory afforestation area with geo coordinates.
- b. Source of water for the quarry requirement.
- c. CER with consent of the beneficiary is to be provided

**22. SIA/KL/MIN/178887/2020 , 1850/EC4/2020/SEIAA**

**Environmental Clearance for a mine of Ordinary clay in survey no.. 7/6, 7/7, 7/8, 7/9 of Pariyaram Vlagei Thaliparambu Taluk Kannur District, Kerala by Sushil Aaron, M/s Baliapattam Tile Works Ltd. (Presentation)**

**Decision:** Even after prior intimation the proponent is absent. Hence the committee decided to defer the item to give one more chance to the proponent for presentation.

**23. SIA/KL/MIN/266960/2022, 1406/EC2/2019/SEIAA**

**Proposed Building stone quarry in Re.Sy.No. 85/2, 86/1, 86/2 of Keralasseri Village, Palakkad Taluk, Palakkad District by Dr.Abraham Sebastian, Proprietor, M/s Nayampadam Granites (Physical File Recommended In 127 SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 127.04 taken in its 127<sup>th</sup> meeting.

**24. SIA/KL/MIN/269684/2022, 1360/EC2/2019/SEIAA**

Environmental Clearance for Granite Building Stone Quarry of Shri.Sidharthan Thiyyakandy at Re Survey No 15/3 of Village - Atholi Village, Koyilandy taluk, kozhikode District, Kerala for an extent of 0.3914 Ha under B2 category (**Physical file recommended in 126<sup>th</sup> SEAC meeting**)

**Decision:** The Committee decided to adhere to the decision No. 126.30 taken in its 126<sup>th</sup> meeting.

**25. SIA/KL/MIN/269882/2022 , 1292/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite building stone quarrying located in Sy. No. 236/3,237/1 & 238/2, Thirumeni Village, Payyanur Taluk, Kannur District, Kerala State. Over an extent of 0.9742 Ha (2.4072 Acres). (Physical file recommended in 126<sup>th</sup> SEAC meeting)**

**Decision:** The Committee decided to adhere to the decision No. 126.29 taken in its 126<sup>th</sup> meeting.

**26. SIA/KL/MIN/270935/2022 , 2430/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Jossy Joseph” over an extent of 0.9898 Ha at Re-Sy Block No.: 19, Re-Sy No.:179/3-3, 179/3-4, 221/1, 221/6 & 221/6-1, Manimala Village, Kanjirappally Taluk, Kottayam District, Kerala (Older physical file- recommended in 126<sup>th</sup> SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 126.25 taken in its 126<sup>th</sup> meeting.

**27. SIA/KL/MIN/271162/2022 , 2431/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of “Sri. Joyce Sebastian” over an extent of 0.873 Ha. (2.157 Acres) at Survey No. 233/4, 233/5 & 233/9, Vellavoor Village, Changanaserry Taluk, Kottayam Dist. Kerala State (Older physical file - recommended in 126<sup>th</sup> SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 126.26 taken in its 126<sup>th</sup> meeting.

**28. SIA/KL/MIN/271234/2022 , 2445/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone quarry of Shri.George Joseph, in Block No. 57, Survey No. 149/1 of Moonilavu Village, Meenachil Taluk, Kottayam District, Kerala for an area of 0.4478 hectares. (Older physical file - recommended in 126<sup>th</sup> SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 126.27 taken in its 126<sup>th</sup> meeting.

**29. SIA/KL/MIN/271788/2022 , 1282(A)/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of Mr.Faisal over an extent of 0.8945 Ha at Survey No.257/1/2,257/1/6,257/1/7 of Elankur Village, Ernad-Taluk, Malappuram District, Kerala. (Older physical file - recommended in 126th SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 126.37 taken in its 126<sup>th</sup> meeting.

**30. SIA/KL/MIN/272116/2022 , 2552/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of Mr. Yespal at Sy. Nos. 14/8-2, 14/8-3, 14/6, 14/20, 14/23 & 14/24 of Neduvathoor Village, Kottarakkara Taluk Kollam District (Physical file recommended in 126<sup>th</sup> SEAC meeting)**

**Decision:** The Committee decided to adhere to the decision No. 126.13 taken in its 126<sup>th</sup> meeting.

**31. SIA/KL/MIN/272314/2022 , 1339/EC2/2019/SEIAA**

**Environmental Clearance for the proposed Granite Building Stone Quarry of B & B Granites at Survey No. 911 and 912 in Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala (Older physical file - recommended in 126th SEAC)**

**Decision:** The Committee decided to adhere to the decision No. 126.41 taken in its 126<sup>th</sup> meeting.

**32. SIA/KL/MIN/273506/2022, 310/SEIAA/KL/1693/2014**

**Application for EC for Marath enterprises And Crusher P Ltd Survey No. : 197/2(p), 198/8(p), 198/9(p) 198/2(p), 198/10(p) & 205/2(p) Koppam Village, Pattambi Taluk, Palakkad District, Kerala (Judgment dated 26.08.2021 in WP ( C) No.14476/2021 filed by M/s Marath Enterprises and crushers Pvt. Ltd)**

**Decision:** The committee deferred the item for detailed scrutiny.

**33. SIA/KL/MIN/43903/2019 , 1548/EC2/2019/SEIAA ](FIR Received)**



**Environmental Clearance for the proposed Granite Building Stone Quarry over an extent of 0.9037 Hectares in Re-Survey No.-214/1-1-1, 214/1-1-2, 214/2pt (Own Patta land) & Re-Sy.No.-214/1pt (Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala State**

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

- a. Drainage plan including garland drains outside the buffer zone along with location of silt traps, siltation ponds and outflow channel and considering the abandoned quarry of the proponent as well as ensuring the prevention of quarry waste runoff to the low-lying areas.
- b. Green belt development plan
- c. OB dumping location marked on a contour map with geo-coordinates of the boundary.
- d. Compensatory afforestation plan along with the proposed location, its geo-coordinates and list of local species based on the list suggested in the biodiversity report

**34. SIA/KL/MIN/43937/2019 , 1547/EC2/2019/SEIAA ](FIR Received)**

**Environmental Clearance for the proposed Granite Building Stone Quarry over an extent of 0.5456 Hectares in Re-Survey No.- 217/17pt(Patta land) & Re-Survey No.- 214/1pt (Govt. Land) Pooyappally Village, Kottarakara Taluk, Kollam District, Kerala State**

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

- a. Drainage plan including garland drains outside the buffer zone along with the location of silt traps, siltation ponds and outflow channel and considering the abandoned quarry of the proponent as well as ensuring the prevention of quarry waste runoff to the low-lying areas.
- b. Submit green belt development plan
- c. OB dumping location marked on a contour map with geo-coordinates of the boundary.
- d. Compensatory afforestation plan along with the proposed location, geo-coordinates of the boundary and list of local species as suggested in the biodiversity report
- e. Photographs showing that the boundary pillars with concrete poles demarcating the project area is permanently fixed using concrete mix.

**35. SIA/KL/MIN/45189/2019 , 1739/EC4/2019/SEIAA**

**Environment Clearance for mining lease of "Granite Building Stone Quarry of M/s. K. V. N. Engineering & Constructions' over an extent of 3.4162 Ha. (8.4414 Acres)**

**at Sy. No. 292/1A, Vellad Village, Thaliparamba Taluk, Kannur District, Kerala State. (Presentation)**

**Decision:** Sri. Narayanankutty representing the proponent firm and Mr. Cyriac Joseph, Consultant representing M/s. Global Environment and Mining Services were present. The Consultant made the presentation. The Committee decided to entrust Shri. V.Gopinathan & Dr.A.N.Manoharan for field inspection & report.

**36. SIA/KL/MIN/58473/2019 , 1405/EC2/2019/SEIAA ](FIR Received)**

**Environmental Clearance for the Granite Building Stone Quarry project in Re - Sy. Block No. 37, Re. Sy No. 554/1, 554/5 & 554/6 of Nagaroor Village (Kadavilla), Chirayinkeezh Taluk, Thiruvananthapuram district of Kerala by M/S Adani Vizhinjam Port Pvt.Ltd.**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 55.3m. The Committee discussed the field inspection report and decided to recommend EC for a period of 5 years subject to the following specific conditions in addition to the general conditions

- a. The proponent should upload the District Survey Report, Form 1M and Annexures of the Mine Plan, produced during the field inspection, prior to issuance of the EC.
- b. Garland drain should be provided covering the entire project area along with intermittent silt traps and siltation pond of appropriate volume and outflow channel. The entire drain should be desilted periodically for preventing any obstruction to the drainage system.
- c. Blasting (NONEL) should be done only with drill hole of 32mm diameter and depth 1.5m loaded with a maximum of 375 gm of explosive in each hole of the array with a burden of 1.5m and spacing of 1m. An affidavit to this should be submitted by the Proponent.
- d. If the proponent desires to adopt blasting (NONEL) using drill hole of diameter 115mm and depth 6.5m with burden ranging from 2.00 to 2.50 m and spacing of 2.50 to 3.00 m loaded with higher quantity of explosives to the tune of about 20 – 25 kgs of explosives, as proposed in the Mine Plan, special permission from the SEIAA should be obtained after conducting a vibration impact study on various built structures within 200m from the project boundary by engaging a National Institute such as National Institute of Rock Mechanics and inference thereupon.
- e. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- f. Retaining wall of appropriate height should be provided at the overburden dumping site
- g. CER Plan should be implemented within the first 18 months and it should be operated and maintained till the mine closure plan is implemented

- h. Planting of trees for the development of green belt should be done prior to the commencement of mining and green belt should be nurtured and maintained during the entire project period
- i. Temporary wall should be provided wherever green belt cannot be developed due to the presence of barren rock
- j. Temporary wall should be provided at the boundary adjacent to the Temple and Thrisoolam structure
- k. Compensatory afforestation should be initiated before the commencement of mining in available land as tree planting is not feasible along some portion of the buffer zone
- l. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- m. Adequate number of toilets and waste management facility should be provided at the site
- n. Haulage road should be maintained well with frequent sprinkling
- o. The proponent should submit an affidavit stating that all the assurances given during the Public Consultation process will be complied with including the drinking water.

**37. SIA/KL/MIN/61070/2019 , 1441/EC1/2019/SEIAA ](FIR Received)**

**Granite Building Stone Quarry of M/S Adani Vizhinjam Port Pvt Ltd (AVPPL) situated in Re-Survey Number 341/6 (pt) at Koodal Village, Konni Taluk, Pathanamthitta District, Kerala for an area of 4.8556 hectare**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The nearest built structure is at a distance of 56.1m. The Committee discussed the field inspection report and decided to recommend EC with Project life of 5 years subject to the following specific conditions in addition to the general conditions.

- a) The Boundary Pillars should be changed to concrete poles and the number of the boundary pillars as given in the approved Mine Plan and coordinates should be marked in paint. The photograph of the all the Boundary Pillars should be submitted prior to commencement of mining.
- b) Though the quantity of overburden is less, the proponent should maintain distance criteria as per existing norms from the nearby houses and other built structures such as the Inchappara- Athirunkal road to the boundary of overburden dumpsite and the boundary of the project site. An affidavit and a map showing the location should be submitted prior to the issuance of EC.
- c) A proper retaining wall/ gabion wall should be constructed to prevent topsoil and overburden runoff during rains.
- d) A check dam should be constructed for storage of water and recharge of low-lying areas. The structures should be constructed as per the existing distance norms.

- e) The garland canal, silt traps, siltation ponds and outflow channel should be desilted and cleaned periodically and geotagged photographs of the same should be submitted along with half-yearly compliance report.
- f) The turbidity of outflowing water along with other parameters as per the environmental monitoring plan should be monitored during different seasons and included in the half-yearly report.
- g) Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for a maximum charge per delay and included in the Half Yearly Compliance Report.
- h) The buffer zone should be enriched with more indigenous plants as specified in the biodiversity assessment report. The same plants should be used for the compensatory afforestation and green belt development. Details of indigenous trees planted during the first three months from the date of issuance of EC should be submitted along with a plan for the remaining period.
- i) Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
- j) Regular ground water monitoring of the well located 97 m away on the south side of the quarry ( 9° 8'53.93"N, 76°52'16.24"E) should be conducted and the data should be incorporated in the half yearly report along with geo-tagged photograph.
- k) The natural canals including Erattathodu flowing through the adjacent areas should be properly protected and maintained

**38. SIA/KL/MIS/208403/2021 , 1898/EC4/2021/SEIAA**

**Development of Malabar Cancer Center as Postgraduate Institute of Oncology Sciences and Research (ADS received)**

**Decision:** The Committee examined the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 7 years subject to the following specific conditions in addition to the general conditions.

- a. Climate responsive design as per Green Building Guidelines in practice should be adopted
- b. Vide GO (MS) No. 39/2022/LSGD dated 25.2.2022, the Government of Kerala has introduced Green rating and Green building certification to buildings based on green standards. The guidelines published as part of the GO should be adhered to.
- c. Vegetation should be adopted appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.

- d. Green belt development surrounding the campus, avenue tree planting and garden development should commence from the beginning of the construction phase. Only indigenous species should be used for green belt and avenue trees.
- e. Exposed roof area and covered parking should be covered with material having high solar reflective index
- f. Building design should cater to the differently-abled citizens
- g. 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
- h. Appropriate action should be taken to ensure that the excess rainwater runoff reaches the nearest main natural drain of the area unpolluted and if necessary, carrying capacity of the natural drain should be enhanced to contain the peak flow
- i. Water efficient plumbing features should be adopted
- j. Design of the building should be in compliance to Energy Conservation Building Code as applicable
- k. Energy conservation measures as proposed in the application should be adopted in total. In addition to the 150 KW Solar system without battery for utility load mounted on terrace, adequate battery linked solar system should also be installed as make up energy supply so as to reduce the fuel-based energy use.
- l. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to facilitate unhindered overland drainage.
- m. The drainage along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.
- n. The proponent should submit an affidavit stating that a large water harvesting structure will be developed and managed for meeting the additional water demand as the water supply from KWA is restricted to only three days in a week and the yield of the open well is inadequate to meet the demand.
- o. Adequate built-in composting facility should be set up for the treatment of biodegradable waste as the capacity or the number of BIOBIN proposed is inadequate.
- p. Adequate and covered storage area should be provided for the storage of non-degradable waste generated for at least 30 days. Additional space should also be provided for the storage of Hazardous Waste and E- waste. The non-degradable solid waste (dry waste) so stored should be handed over to Recyclers/ Local body/ Vendors on a regular basis.
- q. Rainwater harvesting pond should be linked with the water treatment plan.

**39. SIA/KL/MIN/150744/2020 , 1824/EC3/2020/SEIAA] (FIR Received)**

**Granite Building Stone Quarry Of Mr. Saju George in Survey No:590/11(1,2,3,4), 590/18(1,2,3,4), 590/12(2,3), Vengoor West Village, Kunnathunadu Taluk, Ernakulam, Kerala**

**Decision:** The committee deferred the item for detailed scrutiny.

**40. SIA/KL/MIN/133062/2019 , 1576/EC2/2019/SEIAA (FIR Received)**

**The building stone quarry project of M/S Granites India is 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.**

**Decision:** The committee deferred the item for detailed scrutiny.

**41. SIA/KL/MIN/147339/2020 , 1669/EC6/2020/SEIAA (ADS Received)**

**The building stone quarry project of M/S Granites India is 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.**

**Decision:** The Committee verified the documents submitted by the proponent and found them satisfactory. The Committee discussed the field inspection report and decided to recommend EC for a period of 8 years subject to review after 5 years. The Committee also suggested the following specific conditions in addition to the general conditions

- a. A protective wall must be constructed around the overburden dumping site.
- b. Green belt development in the buffer should be done in the first year of the project itself using native trees and it should be nurtured and maintained in subsequent years
- c. Compensatory afforestation should be done with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with HYCR.
- d. Garland canal, silt traps, siltation ponds and outflow channel should be provided covering the entire project area.
- e. The garland canal along with silt traps, collection tanks and outflow channel should be desilted periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report
- f. Geotagged photographs of the Solar light installation sites, locations of well recharge and water storage as proposed as part of CER should be included in the half-yearly compliance report.
- g. Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

**42. SIA/KL/MIS/271560/2022, 1991/EC6/2022/SEIAA**

**Application for EC for the proposed expansion of existing building construction project in Sy.No.162/1, 162/2 in Chelambra Village, Kondotty Taluk ,Malappuram by Sri.Sivabhadran.K, Power of Attorney Holder of Mr. Faisal Edavalath Kottikollon**

**Decision:** The Committee examined the documents submitted by the proponent and decided to entrust Shri.V.Gopinathan & Dr.C.C.Harilal for field inspection and report.

**CONSIDERATION OF TOR PROPOSALS**

**1. SIA/KL/MIS/76817/2022 , 1992/EC2/2022/SEIAA**

**Construction of Twin Tube Unidirectional Tunnel Road (2+2 Lane) with Four Lane Approach (from existing roads) for providing direct connectivity between Aanakampoyil- Kalladi - Meppadi in Kozhikode and Wayanad Districts of Kerala State (Presentation)**

**Decision:** As invited the Sri. Anand Raj, Executive Engineer, PWD, representing the proponent and Smt. Sindhu.P., Senior Consultant from KITCO made the presentation. The Consultant and proponent responded to the clarifications sought by the Committee. The Committee examined the draft ToR submitted and decided to approve it with the following additional studies.

- a. Impact of removal of rocks from the tunnel entry and core region including its impact on springs and groundwater regime and management plan.
- b. Impact of vibration due to tunnelling and blasting on the buildings and other built structures on the ground above and its immediate vicinity in the impact zone and mitigation plan
- c. Impact of seepage water and its management plan
- d. Predicted air quality within the tunnel entry and tunnel core region
- e. Impact of fractured rock collapse and its management plan
- f. Impact of hydrologic modifications, if any, and its management plan
- g. Impact of transportation of material removed from the tunnel and construction material and transportation management plan.
- h. Impact of increased traffic on the feeder roads on both the ends of the tunnel based on detailed traffic survey
- i. Evaluation of the risks and accidents during the construction and operational phases and management plan
- j. Impact on the biodiversity of the region and site-specific management measures
- k. Impact of the displacement of terrestrial, aquatic and avian fauna, if any, and management plan

- l. Impact on the demographic structure and social infrastructure of the impact zone, if any, and management measures
- m. Impact of heating, ventilation and air condition impact within the tunnel and the management measures
- n. Details of Rehabilitation and Resettlement action plans, if required
- o. Environmental cost benefit analysis of the proposal

**The meeting ended at 5.30 pm on 24<sup>th</sup> May 2022.**

**It is decided to convene the next meeting of SEAC from 8<sup>th</sup> June, 2022 to 10<sup>th</sup> June, 2022.**

**List of members who attended the SEAC meeting**

<b>Sl. No.</b>	<b>Name</b>	<b>23.05.2022</b>	<b>24.05.2022</b>
1.	Shri. Sheik Hyder Hussain	✓	✓
2.	Dr.A Bijukumar.	✓	✓
3.	Dr. A.N. Manoharan	✓	✓
4.	Shri M. Dileepkumar	✓	✓
5.	Smt Beena Govindan	✓	✓
6.	Dr.C.C.Harilal	✓	✓
7.	Dr.K.Vasudevan Pillai	✓	✓
8.	Dr. Mahesh Mohan	✓	✓
9.	Dr.K.N.Krishnakumar	✓	✓
10.	V.Gopinathan	✓	✓
11.	Dr.A.V.Raghu	✓	✓
12.	Dr.N.Ajithkumar	X	X
13.	Shri Suneel Pamidi IFS (Secretary)	✓	✓
14.	Dr. R. Ajayakumar Varma (Chairman)	✓	✓