

**MINUTES OF THE 53rd MEETING OF SEAC, KERALA, HELD ON 25th AND 26th
FEBRUARY, 2016, AT HARITHASREE HALL, DIRECTORATE OF
ENVIRONMENT AND CLIMATE CHANGE, THIRUVANANTHAPURAM**

Day -1 (25-02-2016)

The 53rd meeting of the SEAC commenced at 10.00 am with Sri. V. Gopinathan, in the chair. The Chairman welcomed the members and initiated the proceedings of the Committee.

Item No.53.00 General Discussion

The minutes of the meeting SEAC held on 8-9/02/2016 was considered and approved by the committee.

Item No. 53.01 Request from Mr. T.V. Eliyas, Managing Partner, M/s Krishnagiri Stone Crusher to reconsider the decision of rejection of EC (File No. 159/SEIAA/KL/3488/2014)

Project Proponent : Mr. T.V. Eliyas, M/s Krishnagiri Stone Crusher

The proponent Sri.T.V. Eliyas appeared before the committee in response to the letter issued to him by SEAC. For the queries raised by the committee Sri. Eliyas replied that the quarry is working even now. He also informed that three dwelling units are situated within 100m from the quarry premises and the residents have promised to shift if EC is granted. He couldn't bring forth any valid argument or facts so as to reconsider the earlier recommendation of the Committee. Therefore the committee **resolved to reiterate its decision to recommend to SEIAA for the rejection** of the proposal EC.

Item No.53.02 Environmental clearance for the proposed quarry project in Sy. Nos. 271/1-2, 271/1-3, 271/1-6, 271/1-10, 271/1-11, 271/1-4, 271/8-2, 271/8-1, 271/20 pt., 270/4-1, 270/4, 270/3 and 270/2 at Pallichal Village and Panchayath, Neyyattinkara Taluk, Trivandrum District, Kerala by M/s V.S.C. Hollow Blocks & Crusher Division (File No. 163/SEIAA/KL/3493/2013)

Project Proponent : Mr. V. Sudhakaran, M/s V.S.C. Hollow Blocks & Crusher Division

The committee appraised the proposal in the light of the field inspection report of the Subcommittee and decided to **DEFER** the item for details from the District Collector as regards the mining operations in Mookkunnimala.

Item No. 53.03 **Environmental clearance for the Oceanarium and Marine Biological Research Centre project in Sy. No. 238/4 at Puthuvypeen Village, Kochi Taluk, Ernakulam District, Kerala by State Fisheries Resource Management Society (FIRMA) (File No. 326/SEIAA/KL/2001/2014)**

Project Proponent : State Fisheries Resource Management Society

The committee considered additional details submitted by the proponent and found that the proposal lacks comprehensive account of what exactly is proposed to be established as part of the Oceanarium and Marine Biological Research Centre. The committee decided to **DEFER** the proposal for detailed power point presentation by the proponent.

Item No .53.04 **Environmental clearance for Housing Project (Sobha Rio Vista) in Sy.Nos. 159/28B (p) at Calicut, FerokePetta (Chandhakadavu), Feroke Village and Panchayath, Kozhikode Taluk, Kozhikode District, Kerala by M/s Sobha Developers Ltd. (File No. 371/SEIAA/KL/2611/2014)**

Project Proponent : Mr. Ramakrishnan Prabhakaran, M/s Sobha Developers

The proposal was considered by SEAC in its 36th meeting and proponent was required to furnish important details such as safe design for mechanical support to prevent slope failure, ventilation with mechanical exhaust system, isolation RWH from STP and so on. The proponent was addressed from the secretariat to furnish the said details, for which the proponent has failed to respond. Hence the committee decided to **RECOMMEND TO DELIST** the proposal.

Item No. 53.05 **Environmental clearance for the quarry project in Sy. Nos. 247/1-1,247/10,247/11-2 and 247/11-3 at Ayyampuzha Village & Panchayath, Aluva Taluk, Ernakulam District, Kerala by M/s Pynadath Stone Quarry (File No. 430/SEIAA/KL/2990/2014).**

Project Proponent : Sri. Paulson P. Varkey, M/s Pynadath Stone Quarry

The committee appraised the proposal further. It was found that the proponent has failed to submit essential additional details including the revised mining plan, in spite of SEIAA addressing the proponent. Therefore the committee decided to **RECOMMEND TO DELIST** the proposal.

Item No. 53.06 Environmental clearance for the granite building stone quarry project in Survey Nos. 253/2, 253/4-1, 253/4-2, 253/4-3, 253/4-4, 254/2, 255/7, 252/5, 252/6 and 252/7 at Rayamangalam Village, Kunnathunadu Taluk, Ernakulam District, Kerala by M/s Pavan Quarry and Aggregates Pvt. Ltd. (File No. 470/SEIAA/KL/3214/2014).

Project Proponent : Sri. K.T. Paul, M/s Pavan Quarry and Aggregates Pvt. Ltd.

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining.

1. The stream flowing on the western side shall not be disturbed.
2. The dust and other matter that make the water turbid shall be filtered by providing check dam or such mechanism.
3. Sprinkler shall be provided for the crusher unit.
4. The abandoned quarry must be protected by fencing and retained as RWH pit directing the clarified storm water into it for use in summer
5. The ultimate depth of mining shall not exceed 55m AMSL.

Item No. 53.07 Environmental clearance for the quarry project in Sy.No. 320/2, 320/3 at Aikaranadu north Village, Kunnathunadu Taluk, Ernakulam District, Kerala by Sri. Joseph John for M/s Slabs Aggregates. (File No. 519/SEIAA/KL/3823/2014)

Project Proponent : Sri. Joseph John, M/s Slabs Aggregates

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining projects.

1. Protection wall is needed all along the quarry wherever deep cuttings are present.
2. Benches are not seen in the mining operations and this has to be strictly adhered.
3. Over burden is to be stored in the designated place and no compromise should be made on this point.

4. The drainage from the quarry is currently directed to the North corner and let out. The deposited silt must also be cleaned periodically.
5. Considering the topography, garland drains need not be insisted upon.
6. The approach road to the quarry from the main road is not maintained at all. This road must be maintained in good condition by the proponent. Buffer distance from the road near the quarry may not be required as it ends at the quarry.
7. The blasting time must be displayed and strictly adhered to.
8. Dust suppression mechanism must be in place.

The proponent should submit realistic CSR to SEIAA

Item No.53.08

Environmental clearance for the quarry project in survey No. 567/1-2, 567/2B2, 568/1-1, 568/2-2, 569/1-3, 569/1-5, 567/2A, 567/2B1, Thirumarady Village & Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala by Sri. Nizamudheen K.S. for the quarry project (File No. 538/SEIAA/EC3/3881/2014)

Project Proponent : Sri. Nizamudheen K.S.

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining projects.

1. Fencing should be provided all around the lease area. The steep cut faces of the old workings should be further demarcated, fenced and to be left as danger zone.
2. Over burden must be stored in the designated places and provided with protective support walls.
3. Part of the drainage from the quarry is currently directed to the old pit that acts as RWH structure. However part of it flows out as overland sheet flow. A lined catchwater drain should be provided at the lower elevation leading to the abandoned quarry pit which is now RWH structure.
4. The water from the RWH structure should be let out only after clarification/desiltation for which a suitable structure is essential at the outlet. It may be important to provide a check dam in the outlet point of the channel to arrest all fine particles and to clarify water before it is let out. The deposited silt must also be cleaned periodically.
5. The main haulage road formed in the quarry must be maintained in motorable condition. The approach road to the quarry from the main road is not maintained at all. This road should also be maintained in good motorable condition by the proponent.

Item No.53.09 Environmental clearance for the quarry project in Sy. No. 274/2,3,1-2, 273/1-2,1-3,2,3, 282/1,2 at Mazhuvannoor, Village, Kunnathunad Taluk, Ernakulam District, Kerala by Sri. V. N. Pavithran (Owner), M/s Megha Granites (File No. 542/SEIAA/KL/3886/2014)

Project Proponent : Sri. V. N. Pavithran, M/s Megha Granites

The proponent made brief presentation about the project proposal. The Committee reviewed the project in detail and expressed the opinion to revise the CSR making it more realistic to the local needs. The proposal was **DEFERRED** for field visit.

Item No. 53.10 Environmental clearance for the quarry project in Sy. No. 164/2, 164/1-36, 164/1-111 and 164/1-113 at Ayyampuzha Village, Aluva Taluk, Ernakulam District, Kerala by Sri. Paulson P. Varkey – Managing Partner, Ernakulam District For MP Sands (File No. 560/SEIAA/KL/4121/2014)

Project Proponent : Sri. Paulson P. Varkey,

The proponent shall take abundant precautions to prevent damage to life and property of the nearby dwelling units. The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining projects.

1. Protective fencing must be provided along the boundary of the lease area.
2. Over burden is to be stored in the designated places and provided with protective support walls.
3. The drainage from the quarry must be channelised with proper desiltation and clarification mechanism and led into a RWH structure. Only clarified water is to be let out of the area.
4. It is necessary to provide garland drains on the upper part and catch water drains at the lower levels of the lease area to safely dispose the storm water.
5. The approach road to the quarry from the main road is a narrow road which must be widened and maintained in good condition by the proponent.
6. The blasting time must be displayed and strictly adhered to. Steps to be taken to limit fly rock to the quarry area.

The proponent should submit realistic CSR to SEIAA

Item No. 53.11 Environmental clearance for the quarry project in Sy. Nos. 138/7-2, 137/11, 139/11, 139/6, 138/8, 138/4, 139/3, 139/7-1, 139/7, 139/10, 137/12-2, 137/3, 137/7, 137/9, 137/12-1 at Ezhumattoor Village & Panchayath, Mallappally Taluk, Pathanamthitta District, Kerala by Sri. S. Raveendran (File No. 602/SEIAA/EC4/4629/2014)

Project Proponent : Sri. S. Raveendran, M/s Raveendra Rock Crushing Unit

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining projects.

1. Fencing provided all around the lease area must be maintained.
2. Over burden should be stored in the designated places (not here and there) and provided with protective support walls. Part of it can be used for restoration of old quarries.
3. The benches formed at different levels should follow the norms of 5m x 5m.
4. Storm water drainage from the upper part must be channelised properly to the lowest part and let out through well defined channels. It should be connected to the RWH
5. The RWH structure and water clarification mechanism must be provided and maintained throughout. Periodic desiltation is mandatory.
6. Ultimate depth of mine which will depend on the possible benches of 5m width and 5m height in the lease area but should not be below the river bed of Manimala river located about 2 km to north.

Item No.53.12 Environmental clearance for the quarry project in Sy. Nos. 364/16/40, 364/10/42, 364/11/43, 364/16/11, 364/16/27, 364/16/25, 364/16/32, 364/16/8, 364/16/37, 364/16/48, 364/17/18, 364/17/16, 364/16/4/30, 364/16/5/5, 364/16/6/6, 364/16/7/7, 364/16/8/34, 364/16/9/38, 364/21/22P and 364/21P at Mulayam Village, Nadathara Panchayath, Thrissur Taluk & District by Sri. Jenny John, Managing Director, M/s Valakkavu Granite Pvt. Ltd., Vattappara, Valakkavu (Via.), P.O., Mulayam, Thrissur - 680751. (File No. 608/SEIAA/EC1/4635/2014)

Project Proponent : Sri. Jenny John, M/s Valakkavu Granite Pvt. Ltd.

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject

to general conditions in addition to the following specific conditions for mining.

1. Over burden is partly stored in the western side but not in a planned manner. It must be stored in the designated places and provided with protective support.
2. The drainage from the quarry is currently directed to the North corner and let out. The deposited silt must also be cleaned periodically.
3. RWH pond must be provided at the lowest elevation in the North corner and can be in conjunction with the desiltation mechanism.
4. The approach road to the quarry from the main road is not maintained at all. This road must be maintained in good condition by the proponent. Buffer distance from the road near the quarry may not be required as it ends at the quarry.
5. The blasting time must be displayed and strictly adhered to.
6. Dust suppression mechanism must be in place

Item No. 53.13 Environmental clearance for the building stone quarry project in m Sy. Nos. 781/1-16, 781/1-21-126, 781/1-22, 781/1-26Pt, 781/1-28-D2, 781/1-28-20, 781/1-28-22, 781/1-28-24, 781/1-30 and 781/32 at Athikayam Village, Ranni Taluk, Pathanamthitta District, Kerala by Sri. Kuriakose Sabu (File No. 621/SEIAA/EC4/4775/2014)

Project Proponent : Sri.Kuriakose Sabu, M/s Kavumkal Granites

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to the following specific conditions for mining.

1. The exact area to be quarried as per the mine plan should be demarcated on the ground, provided with permanent boundary pillars and fenced. The coordinates of the boundary pillars should be documented and displayed.
2. Considering the steep disposition of the land and it occupying the upper slope, the operation should necessarily begin from the top most part.
3. Benches should be formed along the contours and not across it as it will lead to formation of deep pits that are not desirable in the upper slope
4. Considering an elevation difference of 120 m every sixth bench- at a elevation difference of 25 m- should have a width of at least 8 m. This is to arrest and accommodate any object that is likely to be dislodged and move down from the upper slopes.
5. The base of such benches must be provided with guided storm water channels to channelise the runoff to the natural flow channels.

6. The storage of OB and top soil should be in such a way that it will not be dislodged under any circumstances. Retaining walls or such structures should be provided. It can also be used for concurrent eco-restoration of excavated benches with vegetation cover.
7. The natural flow channels conducting storm water down the slope- three channels are observed- must be well defined with in the property of the proponent.
8. A clear buffer distance of 100 m should be provided from the HT tower line to the quarry face.
9. Considering the topography catch water drain should be provided close to the lower boundary. The storm water should be clarified by suitable mechanism before it is let out.
10. Collection of rainwater on the upper slopes in pits should be avoided.

Item No.53.14 **Environmental clearance for the quarry project in Sy. No. 404/2(part), 412/2, 4(part) at Kummil village, Kottarakara Taluk, Kollam District, Kerala Sri. M. K. Biju, Karthika, Kottarakara (taluk), Kollam for M/s. Karthika Granite Quarry, Kallutheri (File No. 635/SEIAA/KL/4906/2014)**

Project Proponent : Shri. M. K. Biju, M/s. Karthika Granite Quarry

The proponent and RQP attended the meeting and RQP made a brief presentation. But the details were quite different from what is stated in the agenda notes. Apparently the mining plan is different from what is furnished in the application form. It is not reflected in the agenda notes. Hence, the Committee directed the secretariat to submit a clear note in the next meeting for considering the proposal. The Committee also directed the proponent to submit realistic CSR plan and also a copy of the LOI.

Item No.53.15 **Environmental clearance for the quarry project in Sy. No. 158/6, 158/12-2, 158/5, 158/11, 161/1 at Ittiva Village, Kottarakara Taluk, Kollam District, Kerala by M. K. Biju, Kadakkal, Kottarakara, Kollam Dist for M/s Karthika Granites (File No. 637/SEIAA/KL/4908/2014)**

Project Proponent : M. K. Biju, M/s. Karthika Granite Quarry

The note placed in the Committee does not reflect the true picture of the proposal. Therefore the secretariat was directed to prepare a comprehensive note and place it before the next meeting.

Item No.53.16

Environmental clearance for the quarry project in Sy. No. 432/3(part), 432/4 at Kummil village, Kottarakara Taluk, Kollam District, Kerala Sri. M. K. Biju, Karthika, Kottarakara (taluk), Kollam for M/s. Karthika Granite Quarry, Cherukara. (File No. 638/SEIAA/KL/ 4909/2014)

Project Proponent : Shri. M. K. Biju, M/s. Karthika Granite Quarry

The note placed in the Committee does not reflect the true picture of the proposal. Therefore , the secretariat was directed to prepare a comprehensive note and place it before the next meeting along with the previous two items.

The meeting ended at 4.00 pm with vote of thanks to the Chairman and Members.

Shri. C.S. Yalakki IFS
(Secretary, SEAC)

Shri. V. Gopinathan IFS (Rtd)
(Chairman, SEAC)

LIST OF PARTICIPANTS

Day – 1 (25.02.2016)

1. Sri. V. Gopinathan IFS (Rtd.)
(Chairman, SEAC)
2. Dr. K.M. Khaleel Chovva
3. Dr. Oommen V. Oommen
4. Sri. P. Sreekumaran Nair
5. Dr. George Chackacherry
6. Dr. Keshav Mohan
7. Dr. K.G. Padmakumar
8. Dr. K. Harikrishnan
9. Dr. E.A. Jayson
10. Sri. C.S. Yalakki IFS
(Secretary, SEAC)

Day – 2 (26.02.2016)

Item No.53.17 Environmental clearance for the quarry project in Sy. Nos. 137/10 (p), 85/1, 85/2(p) and 84/5 (p) at Valamboor Village, Perinthalmanna Taluk, Malappuram District, Kerala by Sri. P. Abdul Nassar for M/s. Valamboor Granites. (File No. 756/SEIAA/KL/331/2015).

Project Proponent : Sri. P. Abdul Nassar, M/s. Valamboor Granites.

The committee further appraised the proposal in the light of the field inspection report, Form -I, mining plan and other details furnished by the proponent. The committee noted the violation committed due to illegal functioning of the quarry as found during the field inspection. Therefore the committee **RECOMMENDED for issuance of EC** with specific conditions given below in addition to general conditions, mentioned in the field inspection report after completing action against violation.

1. Quarrying should be strictly limited to 3.3 ha as proposed.
2. Proper fencing and sign boards must be fixed all around
3. Retaining wall should be maintained at lower slope to avoid leaching.
4. Entry of large vehicle shall be restricted in the approach road.

Item No.53.18 Environmental clearance for the quarry project in Sy. No. 3/1-1, 1-2, 1-3 at Mookkannoor village, Aluva Taluk, Ernakulam District, Kerala by Sri. Shaju P.V. – Managing Partner, M/s. Palissery Granites, Ernakulam District for M/s. Palissery Granites (File No. 673/SEIAA/KL/5352/2014).

Project Proponent : Sri. Shaju P.V., M/s. Palissery Granites

The proponent and RQP attended the meeting and RQP made a brief presentation. They informed that the Quarry is working now. So it's a case of violation. Hence the Committee **DEFERRED** the item for field visit for investigating the land use pattern and submission of revised CSR. The proponent was instructed to clarify the reason for revision of the project area.

Item No.53.19 Environmental clearance for the quarry project in Sy. No. 261/5-2, 261/6-2, 262/3-4, 261/6-4, 261/5-3, 260/8, 260/5-2, 262/1-3, 262/1-4, 260/11, 260/10, 260/3-2, 260/7-3, 260/9-2, 259/8, 259/3-2, 259/1-2,

64/1-176, Ayyampuzha Village, Aluva Taluk, Ernakulam District, Kerala by Sri.. P. J. Jacob, Managing Director, Ernakulam District for Angel Granites And Crushers Private Limited. (File No. 690/SEIAA/KL/5642/2014)

Project Proponent : Mr. P. J. Jacob, M/s Angel Granites and Crushers Pvt. Ltd.

The proponent was present but not prepared for power point presentation with relevant documents before the committee. He was not having any details/documents to be placed before the committee. So the item was **DEFERRED** for detailed power point presentation.

Item No.53.20 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. Sri. Paul Varghese, M/s. Cement Bricks & Allied Industries/M/s. Kizhakkambalam Granites (File No. 724/SEIAA/KL/6074/2014)

Project Proponent : Sri. Paul Varghese, M/s. Cement Bricks & Allied Industries / M/s. Kizhakkambalam Granites.

The committee considered the proposal. Since the proponent submitted only one Form - I, followed by 2 mining plans, the proponent was instructed to submit two Form – I in tune with separate mining plans. Committee **DEFERRED** the item for revised mining plans and field visit.

Item No.53.21 Environmental clearance for proposed Govt. Medical College Idukki in Sy. Nos. 161/1 in Cheruthoni of Idukki Village, Vayathope Panchayath, Thodupuzha Taluk, Idukki District, Kerala of Dr. PGR Pillai, Special Officer for new Medical Colleges, Government of Kerala. (File No. 748/SEIAA/KL/221/2014)

Project Proponent : Dr. PGR Pillai, Govt. Medical College Idukki.

The proposal was appraised by SEAC considering Form I, Form IA, Conceptual plan, Field Inspection Report and the other documents and details provided by the proponent. The subcommittee has completed the field inspection and report submitted to SEAC. The

proposed building of Idukki medical college is situated in a steep terrain, where the construction of a multi-storeyed building is detrimental to environment and therefore the committee felt that the subcommittee's suggestions are very valid.

The suggestions are given below:-

1. Measures to manage the soil due to cut and fill shall be submitted with estimated quantity of soil.
2. Sectional drawings at salient points shall be submitted to understand the depth of cutting and height of building
3. The capacity of the RWH shall be increased to 1000KLD and should be located where gravity flow is possible.
4. Bio medical waste treatment facility with adequate capacity to treat the whole of the generated waste should be provided within the site.
5. Solid waste treatment facility for the whole of the generated waste shall be provided.
6. Emergency evacuation plan shall be submitted.
7. Access road shall have minimum 10 m width.
8. Solar energy capacity should be enhanced adequately in order to meet energy balance.

Therefore the committee **decided to call for** the modified design incorporating the above suggestions of the subcommittee for further appraisal.

Item No.53.22 Environmental clearance for the quarry project in Sy. No. 328/2-1, 2-2, 3,6, 326/1-2,1-1,2, 325/2,4,5, 301/34,37Chadayamangalam village, Kottarakkara (Taluk), Kollam district, Kerala by Sri.Shaji S., M/s Shah Quarry (File No. 752/SEIAA/KL/301/2015)

Project Proponent : Sri.Shaji.S, M/s Shah Quarry

The committee further appraised the proposal in the light of the field inspection report. It was found that there is a case of violation. It was decided to **RECOMMEND for issuance of EC** after completing action against violation subject to the following specific conditions in addition to general conditions applicable for mining proposals.

1. Fencing should be provided all around the lease area.
2. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.

3. Ultimate depth of mine must be limited to the stream bed level seen in the vicinity.
4. The seasonal stream should be provided with protective embankments to prevent entry of quarry waste. It should also be provided with low level check dams at least at two places to arrest silt being washed down stream. Periodic desiltation is essential.
5. The approach road is narrow and presently not maintained for movement of heavy vehicles. This should be taken up on priority basis.

CSR activity must be submitted before the Authority.

Item No.53.23 **Environmental clearance for the quarry project in Sy. No. 164/1-35,164/1-28, 164/1-45, 164/1-44, 164/1-41 Ayyampuzha village, Aluva (Taluk), Ernakulam district, Kerala by Sri. C. John Kachappilly, Udaya rocks quarry (File No. 761/SEIAA/KL/438/2015)**

Project Proponent : Sri. C. John Kachappilly, Udaya rock quarry

Shri. Davis Kuriakose, Joint Managing Partner appeared before the committee. The RQP made a power point presentation. It was informed that the quarry is in operation and dwellings are more than 150mtrs away and another quarry is functioning beyond 500 mtrs away in the southern side. The committee decided to **RECOMMEND for issuance of EC** after completing action against violation subject to general conditions.

Item No. 53.24 **Environmental clearance for the building stone quarry project in Sy. No. 249, 249/1, 249/2, at Kondoor Village, Meenachil Taluk, Kottayam District by Sri. M.K. Rasheed (File No.793/SEIAA/EC4/1851/2015)**

Project Proponent : Sri. M.K. Rasheed, M/s Chennadu granites

The committee further appraised the proposal in the light of the field inspection report, Form -I, Mining Plan and other details furnished by the proponent. It was decided to **RECOMMEND to SEIAA for issuance of EC** after completion of action against violation subject to the following specific conditions.

1. Top soil and Over burden should be stored in a designated place on the lower slope away from the working area and provided with protective support walls.

2. The water draining into the valley will need clarification once the quarry is in operation. It must be managed by providing a RWH/desiltation structure. A catch water drain is needed on the lower slopes leading to the desiltation structure.
3. The approach road is narrow and need to be widened. It should be maintained for the movement of heavy vehicles.
4. The CSR activity needs revision addressing the needs of the locality
5. The proponent shall resolve the issue of dwelling unit located within 100 mtrs away on the eastern side of the project site.

Item No.53.25 **Environmental clearance for the quarry project in Sy. No. 307/3 & 308/15 at Malayattoor Village, Malayattoor Neeleswaram Grama Panchayath, Aluva Taluk, Ernakulam District, Kerala for M/s Fathima Granites by Sri. Ashique Ali A.**
(File No. 807/SEIAA/EC3/2238/2015)

Project Proponent : Sri. Ashique Ali A., M/s Fathima Granites.

The proposal was further appraised in the light of the field inspection report, mining plan and CSR. The Committee found that the quarry is in operation in the field as spelt out in the Inspection Report. The committee decided to **RECOMMEND for the issuance of EC** subject to the following specific conditions.

Specific Conditions are:-

1. *Over burden is to be stored in a designated place in the lower part to avoid slope failure or mud flow and provided with protective support walls.*
2. *The drainage from the quarry must be channelised with proper desiltation and clarification mechanism. RWH structure must be created for the collection of part of the rainwater.*
3. *It is necessary to provide catch water drains at the lower levels of the lease area to safely dispose the storm water. Only clarified water is to be let out of the area.*
4. *The approach road to the quarry is a narrow public road which must be and maintained in good condition by the proponent.*
5. *The blasting time must be displayed and strictly adhered to. It is better to limit blasting to two times a day when the traffic density is least. Steps to be taken to limit fly rock to the quarry area.*
6. *Tree cover seen all around the quarry must be maintained till the entire life of quarry.*

Item No. 53.26

Environmental clearance for proposed Government Medical College at Sy.No.643 at Iravan Village, Kozhencherry Taluk, Aruvapulam Panchayat, Pathanamthitta District, Kerala by Sri. Dr. P.G.R Pillai M.S, (File No. 810.A/SEIAA/EC4/2373/2015)

Project Proponent : Dr. P.G.R Pillai, Government Medical College

The proposal was appraised by SEAC considering Form I, Form IA, Conceptual plan, Field Inspection Report and the other documents and details provided by the proponent. The subcommittee visited the proposed building at Konni, and observed that all the three sides of the medical college have forest as boundary. Since the area is likely to develop as township and likely to impact adjoining forest, the committee **decided to have a revised EMP** taking in to consideration the subcommittee's observation. It was also decided to undertake field inspection.

Item No. 53.27

Environmental clearance for the quarry project in Sy. Nos. 182/1, 184/1, 185/2 and 186/5 at Nediyruppu Village & Panchayath, Kondotty Taluk, Malappuram District by Sri. K.M. Koyamu, Managing Partner, M/s Chirayil Granite Industries. (File No. 814/SEIAA/EC1/2485/2015).

Project Proponent : Sri. K.M. Koyamu, M/s Chirayil Granite Industries.

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted found that the quarry has been illegally functioning. One of the Subcommittee members who undertook the field inspection also confirmed that the quarry has been in operation. Hence the Committee decided to **RECOMMEND for issuance of EC** subject to general conditions in addition to specific conditions for mining. It was decided to **recommend action against violation and issuance of EC** thereafter subject to specific conditions given below:-

1. Additional pits shall be provided at lower most part for directing drainage from the quarry with a silt trap or other suitable mechanism for clarification of water.
2. Outer fencing and sign boards must be provided.

Item No.53.28

Environmental clearance for the quarry project in Survey. No. 8/9, at Alakkodu Village, Thodupuzha Taluk, Idukki District, Kerala by Mr. U.I. John, Managing Partner, M/s Marthoma Granites (File No. 817/EC3/2489/SEIAA /2015)

Project Proponent : Mr. U.I. John, M/s Marthoma Granites

SEAC considered the proposal, the secretary brought to the notice of SEAC that the NGT has instructed the SEIAA vide an order 21/12/15. It was also informed that the counsel has advised SEIAA to initiate criminal action against the owner of the quarry and not to process the application. The committee therefore decided to **RECOMMEND for delisting** of the proposal and initiate action as per the direction of the Honourable NGT.

Item No.53.29

Environmental clearance for the quarry project in Sy. No. 97/1(p), 97/2(p) & 97/4(p) at Malayattoor Village, Malayattoor Neeleswaram Grama Panchayath, Aluva Taluk, Ernakulam District, Kerala by Sri. Manoj Antony for M/s. Surya Rock Product (File No. 821/SEIAA/EC3/2546/2015)

Project Proponent : Sri. Manoj Antony, M/s. Surya Rock Product

The Committee after examining the mining plan, prefeasibility report, field inspection report and all other documents submitted the Committee found that the quarry has been in operation illegally as observed in the Field Inspection Report. Hence, the Committee decided to **RECOMMEND for issuance of EC** with specific conditions put forward by subcommittee in field inspection report noted below:

1. *Over burden is to be stored in a designated place in the lower part to avoid slope failure or mud flow and provided with protective support walls.*
2. *The drainage from the quarry must be channelised with proper desiltation and clarification mechanism. RWH structure must be created for the collection of part of the rainwater.*
3. *It is necessary to provide catch water drains at the lower levels of the lease area to safely dispose the storm water. Only clarified water is to be let out of the area.*
4. *The approach road to the quarry is a narrow public road which must be and maintained in good condition by the proponent.*
5. *The blasting time must be displayed and strictly adhered to. It is better to limit blasting to two times a day when the traffic density is least. The PPV values must be less than 10 mm/sec. Steps to be taken to limit fly rock to the quarry area.*
6. *Tree cover seen all around the quarry must be maintained till the entire life of quarry.*

Item No.53.30 Environmental clearance for proposed building Application For Prior Environment Clearance for Life Science Park at Thonnakkal in Sy. No. 187, 188, 192 in Veiloor Village, Thiruvananthapuram Taluk, Thiruvananthapuram District (File No. 851/SEIAA/ECI/2967/2015)

Project Proponent : Sri. Biju BG, Life Science Park at Thonnakkal

The proposal was appraised by SEAC considering Form I, Form IA, Conceptual plan, Field Inspection Report and the other documents and details provided by the proponent. The proposal was **RECOMMENDED with specific conditions** put forward by expert committee in field inspection report noted below.

1. It is reported that >40,000 cu.m of excess ordinary earth is likely to be generated at the site. The exact quantity need to be worked out. It can be allotted to the Govt. projects like Highway development.
2. Dependable sources of water must be developed. Yield test of such sources should be communicated.
3. Therefore sufficient green cover should maintained by planting endemic trees as soon as possible.
4. The project plans to enter into tie up with authorised contractors for the disposal of different kinds of waste. It may be better to create facility/mechanisms for the disposal of these wastes within the campus itself. Source level treatment should ensure in campus itself rather than done throughout source.

Item No.53.31 Environmental clearance for the Proposed – M/s Valorangal Building Stone quarry project in Re. Survey. No. 6/1 of Vettilappara Village, Eranad Taluk, Malappuram District, Kerala by Sri.Hisham, E. C. for Building Stone Quarry of M/s. Thomarappara Bric & Metals (File No. 856/SEIAA/EC1/2980/2015)

Project Proponent : Sri. Hisham, E. C – M/s Valorangal Building Stone quarry

The proposal was further appraised in the light of the mining plan, prefeasibility report and revised CSR received from the proponent. It was decided to **RECOMMEND with general conditions**. The proponent should strictly adhere as per modified CSR submitted by him.

The meeting ended at 4.00 pm with vote of thanks to the Chairman and Members.

Shri. C.S. Yalakki IFS
(Secretary, SEAC)

Dr. Keshav Mohan
(Chairman in Charge, SEAC)

LIST OF PARTICIPANTS

Day – 2 (26.02.2016)

1. Dr. Keshav Mohan
(Chairman in Charge, SEAC)
2. Dr. K. M. Khaleel Chovva
3. Dr. Oommen V. Oommen
4. Sri. S. Ajayakumar
5. Dr. P.S. Harikumar
6. Dr. K.G. Padmakumar
7. Sri. P. Sreekumaran Nair
8. Sri. C.S. Yalakki IFS
(Secretary, SEAC)