

**MINUTES OF THE 44th MEETING OF SEAC, KERALA HELD ON 12th and 13th
AUGUST, 2015 AT SP GRAND DAYS HOTEL, THIRUVANANTHAPURAM
Day 1**

The 44th meeting of the SEAC commenced at 9.30 am with Dr. Keshav Mohan, in the chair. The Chairman welcomed the members and initiated the proceedings of the Committee.

Item No.44.00 General Discussion

1. The Committee discussed advance scheduling of meetings of SEAC on regular manner on the basis of the point raised by Sri John Mathai. The Committee discussed in detail and decided unanimously that the SEAC meetings shall be scheduled on 1st Friday and Saturday and 3rd Friday and Saturday of every month for the convenience of the members of the Committee to make their travel arrangements in advance and ensure maximum participation and circulation of agenda note in advance.
2. The Committee decided that the minutes of the SEAC meeting shall be approved formally in the subsequent meeting.
3. Dr. Oommen V. Oommen raised concerns regarding Panchayats issuing license for mining without EC. The Committee decided that the matter may be brought to the notice of SEIAA such that necessary direction may be given to the Director, DoECC to address the Government to issue circular to all Panchayat secretaries quoting the relevant rules that EC is mandatory for all mining projects and the license for mining should not be issued without EC.
4. Sri. John Mathai pointed out that there was a decision to consider every field visit by Members of SEAC as a Sub-Committee meeting. The Director, DoECC may take follow up action on the above.

Consideration and approval of Minutes and Appraisal Reports

The Minutes and the Appraisal reports of the 43rd meeting held on 15th July 2015 were formally approved by the Committee.

Item No.44.01 Application for revised E.C for the construction of Green Field Stadium in Survey No.K-2315 at Kariyavattom, Thiruvananthapuram, Kerala (File No. 02/EC1/2012/SEIAA)

Project Proponent : The Chief Executive Officer & Secretary, National Games Secretariat
EIA Consultant : ABC Techno Labs India Private LTD, Chennai

Further to the intimation of SEAC, the representative from NGS attended the meeting and made a brief PowerPoint presentation.

EC for construction of Green Field Stadium at Kariyavattom, Thiruvananthapuram having a total built up area of 55,317.05 m² was granted by SEIAA in its 2nd meeting held on 23-04-2012. During the presentation it was made out that on actual completion of the stadium, the built up area

would be increased to 63,000 m² as the convention centre, indoor sports area and club house in the former plan were integrated into one facility besides provision for two lifts. The Proponent informed that major energy requirement will be fulfilled by DG Sets and the drainage will be channelized to rain water harvesting pond of capacity 2 lakh litres and will be reused after proper treatment.

As informed through PowerPoint presentation, the Committee understood that water requirement, power requirement, sewage generation etc. have not changed from the initial proposal and thus the threshold levels have also not exceeded. The Committee found that the proponent is complying with all conditions stipulated in the EC already issued and the same conditions will continue to be applicable.

The Committee appraised the proposal on the basis of the application, conceptual plan, and documents submitted and decided to **RECOMMEND** issuance of Environmental Clearance stipulating the following specific conditions in addition to the general conditions for non-mining projects.

1. The additional power requirement must be met from non conventional energy sources.
2. Adequate provisions for disaster risk reduction and management should be inbuilt in the plan.
3. Carbon foot print of the project should be reduced to the maximum extent possible.

(The appraisal report is attached as annexure 1)

Item No.44.02 Environmental Clearance for construction of new LPG storage and Bulk Dispatch Terminal at. Survey Nos. 480/2 Pt , 546/1 , 546/2 Pt, 546/3 Pt , 560/2 Pt , 560/3 Pt, 561/3 Pt, 561/4 Pt ,561/5 Pt , 561/6 Pt, 562/1 Pt, 562/3 Pt, 562/4 Pt,563/1 , 563/ 2 ,563/3, 563/4, 563/5, 563/6, 564/ 1 Pt, 564/ 2 Pt, 565/ 6 Pt , 566/6 Pt. of Kinфра Integrated Industrial & Textile Park, Kanjikode East, Palakkad District by Sri. Tharian Peter, Territory Manager (LPG) Kochi, M/s. BPCL (File No. 789/SEI AA/EC1/1381/2015)

Project Proponent : Sri. Tharian Peter, Territory Manager (LPG) Kochi, M/s. BPCL
EIA Consultant : M/s Mecon Private Ltd.

Further to the intimation of SEAC, the representative from BPCL made a brief PowerPoint presentation.

The project area is located in notified industrial area of KINFRA, Palakkad. The proponent informed that the Cochin Refinery propose to increase the production from the existing 9.5 MMTPA to 15.5 MMTPA. Consequently, it is proposed to create additional storage facility at the KINFRA industrial area. The project site was visited by Site Appraisal Committee and forwarded their approval to the Principal Secretary (Industries) as per Factories & Boilers Act for getting site approval for the project. The proposal also got consent from KSPCB. The proponent also informed that project will help to reduce the LPG tanker movement along the road. Water requirement will be provided by KINFRA. Pressurized fire fighting safety network system with fire water storage for 4 hrs is proposed. The energy requirement will be met from KSEB. The

proposal carries OISD safety audit, provision for monthly fire safety mock drill, etc. The proposed project comes under seismic zone III. The Committee observed that there are settlements around the project area.

The Committee decided to **DEFER** the item for the production of the following documents/additional clarification.

1. The EIA report already prepared should be submitted to SEIAA with all statutory clearances they have got for the project.
2. Sufficient buffer distance should be kept for other projects in the area.
3. The high tension line if any passing above the proposed area must be shifted.
4. Action proposed for protecting the existing water stream in the area.
5. The natural stream passing near the proposed area must be kept undisturbed.

Item No.44.03 **Guidelines or Terms of Reference (ToR) to take up the EIA/EMP study for the installation of additional tanks to store crude oil in special economic zone in Sy. No. 347 at PuthuVypeen Village, PuthuVypeen Taluk, Ernakulam District, Kerala by Sri. G. Radhakrishna Pillai M/s BPCL (File No. 810/EC3/2306/SEIAA/2015)**

Project Proponent : Sri. G. Radhakrishna Pillai M/s BPCL
EIA Consultant : M/s Mecon Private Ltd

Further to the intimation of SEAC, the representative from BPCL made a brief PowerPoint presentation. The proponent informed that they have applied for CRZ clearance.

The Committee decided to **DEFER** the item for examining the necessity of EC for the proposed project and also production of the authenticated copy of the EC already obtained.

Item No.44.04 **Environmental clearance for proposed building 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, Assistant GM for KSIDC
EIA Consultant : KITCO

The proponent and consultant attended the meeting and the consultant made a PowerPoint presentation. The total plot area is 9.3 ha. Rainwater harvesting pond having 40,000 m³ is proposed. The proponent has proceeded with construction of roads. The total built up area is 35309.7 m². The proponent informed that the total water demand will be 34.16 KLD and will be met from open well and RWH pond. They propose to use only 35% of the total land available with them.

The Committee observed that there is not enough clarity in the proposal regarding the type of activities that will be carried out in the premises. The Committee could not appraise the proposal without sufficient details regarding the biotechnological processes, chemical experiments

and the plants and animal species that would be handled within the project area. The Committee therefore decided to **DEFER** the item for submission of details such as

1. The specific uses of the proposed buildings
2. Detailed waste management plan.
3. Management of hazardous chemical/exotic species used and generated including the types expected.
4. The energy requirement, both conventional and non-conventional including specific plans for tapping green energy.
5. Risk assessment and specific safety measures for mitigating natural and anthropogenic hazards.

Item No.44.05 Environmental clearance for proposed mining project in Sy. Nos. 262/1, 264/1, 2-1, 2-2, 5, 5-2, 6, 7, 265/1, 1-2 and 1-3 at Elamadu Village Kottarakara Taluk, kollam District, Kerala by Sri. Tinson John, Managing Partner, M/s Aiswarya Granites for an area of 4.7997ha. File. No. 127/SEIAA/KL/2368/2013 – Court Case

Project Proponent : Sri. Tinson John, Managing Partner, M/s Aiswarya Granites.
EIA Consultant : M/s Metamorphosis

Further to the intimation of SEAC, the proponent along with the RQP attended the meeting and the RQP made a brief PowerPoint presentation of the mining plan. On verification of the survey nos. of land included in Form -1 as well as in Mine Plan, it was found that the total land is 4.7997 ha and is under the possession of the proponent. As per the certificate issued by Tahsildar, Kottarakkara dated 16.01.2013, it is seen that the project area is the property of Shri. Tinson John, Shri. Chackochan and Smt. Moly Chakochan. The certificate also reveals that the land is not assigned for any specific purpose and that it is not involved in any attachment procedures.

The maximum production capacity of the project is 4,50,000 MTPA. The maximum height of the project site is 150 MSL and the lower depth is 95 MSL. The water requirement will be met from open well & RWH Pond.

The Committee considered the complaints submitted by Shri. Prasad, Charuvila Puthen Veedu, Cheriaveliyanoor, Arakkan P.O and others for Sree Aayiravilli Devaswam, Elamaddu PO, Chief Patron and others of Cheriavelinalloor-Arkkanoor-Karalikkonam-Mekhala Pourasammithi, Muhammad Rasheed I, Member, Karalikkonam, Sri Kabeer A A etc. In the said complaints, allegations have been raised regarding the authenticity of the report of V.O and the certified Mining Plan by Geologist, possession of excess land, vigilance and court cases, land assigned for agricultural purposes, conducting illegal mining, quarrying operations causing threats to human life and properties, the proposed area being close to Sree Aayiravilli Devaswam Temple and threat to biodiversity etc. The complainant has requested for hearing before issuing Environmental Clearance. The Committee examined the complaints in detail and verified document submitted by the proponent, supporting documents with the complaints, mine plan, report of revenue officials and officials of mining and geology department etc. The SEAC resolved to look into the points raised only with regards to environment impact and concluded that there is no conclusive evidence for the complaints in this regard.

The Committee appraised the item on the basis of Form I, pre feasibility report, Mine Plan and other details/documents furnished by the proponent, complaints raised against the project and decided to **RECOMMEND** the item for issuance of EC subject to the following specific conditions in addition to the general conditions for mining projects. Complaints received regarding the proposal are also transferred to SIAA for consideration.

1. Adequate measures should be taken to prevent hazards due to fly rocks.
2. Over burden should be stored in clear-cut places.
3. Steep cutting should be avoided, deep pits with stagnant water should be properly fenced with 'DANGER' sign boards.
4. Reclamation and eco-restoration should be done by planting native species

As petitioner Shri. Kabeer A A has requested for personal hearing, SEIAA may consider his request.

(The appraisal report is attached as annexure 2)

Item No.44.06 Environmental clearance for proposed mining project in Sy. Nos. 262/1, 264/1, 2-1, 2-2, 5, 5-2, 6, 7, 265/1, 1-2 and 1-3 at Elamadu Village Kottarakara Taluk, Kollam District, Kerala by Sri. Tinson John, Managing Partner, M/s Aiswarya Granites for an area of 4.7997ha. File. No. 128/SEIAA/KL/2369/2013 – Court Case

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Item No.44.07 Environmental clearance for proposed mining project in Sy. Nos. 262/1, 264/1, 2-1, 2-2, 5, 5-2, 6, 7, 265/1, 1-2 and 1-3 at Elamadu Village Kottarakara Taluk, Kollam District, Kerala by Sri. Tinson John, Managing Partner, M/s Aiswarya Granites for an area of 4.7997ha. File. No. 129/SEIAA/KL/2369/2013 – Court Case

Project Proponent : Sri. Tinson John, Managing Partner, M/s Aiswarya Granites.
EIA Consultant : M/s Metamorphosis

Further to the intimation of SEAC, the proponent along with the RQP attended the meeting and the RQP made a brief PowerPoint presentation of the mining plan.

During the presentation the proponent requested the Committee to consider the application No. 128/SEIAA/KL/2369/2013 and 129/SEIAA/KL/2369/2013 as one, instead of two separate applications as the land involved is owned by the proponent and government. He pleaded that it is not feasible to carryout mining separately in private patta land and government land, as it would result in the un-mined buffer area standing dangerous besides causing wastage of resources. With the said request he informed SEAC that he has submitted revised Form I for an extent of 6.32.52 ha combining the land involved in the two applications submitted earlier.

SEAC considered the complaints submitted by Shri. Prasad, Charuvila Puthen Veedu, Cheriyaaveliyanoor, Arakkan P.O and others for Sree Aayiravilli Devaswam, Elamaddu PO, Chief Patron and others of Cheriyaavelinalloor-Arkkanoor-Karalikkonam-Mekhala Pourasammithi, Muhammad Rasheed I, Member, Karalikkonam, Sri Kabeer A A etc. In the said complaints, allegations have been raised regarding the authenticity of the report of V.O and the certified Mining Plan by Geologist, possession of excess land, vigilance and court cases, land assigned for

agricultural purposes, conducting illegal mining, quarrying operations causing threats to human life and properties, the proposed area being close to Sree Aayiravilli Devaswam Temple and threat to biodiversity etc. The complainant has requested for hearing before issuing Environmental Clearance. The Committee examined the complaints in detail and verified document submitted by the proponent, supporting documents with the complaints, mine plan, report of revenue officials and officials of mining and geology department etc. The SEAC resolved to look into the points raised mainly with regards to environment impact.

The Committee appraised the item on the basis of Form I, pre feasibility report, Mine Plan and other details/documents furnished by the proponent, complaints raised against the project and decided to forward the applications to SEIAA, Kerala for taking appropriate action after considering the following aspects.

1. The allegation raised against the proponent mainly, the veracity of the NOC issued by District Collector, Kollam.
2. Vigilance cases pending against the proponent.
3. Shri. Kabeer A A who has raised allegation against the project may be given a personal hearing.

Complaints received regarding the proposal are also transferred to SIAA for consideration.

(The appraisal report is attached as annexure 3)

Item No.44.08 Application for Environmental Clearance for the proposed quarry project in Sy. No 65/1 at Kumily village, Kumily Panchayath, Peerumedu Taluk, Idukki District-Kizhakkethalakkal Rocks-Orders of the NGT(NB) in Appeal No.29/13 filed by Kizhakkethalakkal rocks- (File no: 40/EC2/7084/SEIAA/2012) – Court Case

Project Proponent : M/s Kizhakkethalakkal Rocks
EIA Consultant : Enkay Environ Service Pvt Ltd, Jaipur

The Committee appraised the proposal and decided for a site inspection by a sub-Committee consisting of Sri. John Mathai and Sri. Sreekumaran Nair and hence the item is **DEFERRED**.

Item No.44.09 Environmental clearance for proposed mining project in Sy. Nos. 229/1, 229/13, 229/9, 229/9-1, 234/10, 234/11, 234/3, 234/4, 234/5, 234/6, 234/8-2, 234/9-1, 238/12, 238/13-2, 238/16-2, 238/17-2, 240/10, 240/11, 240/7, 240/7-1, 240/7-2, 240/8, 240/9, 241/10, 241/1-1, 241/1-2, 241/12-16, 241/12-17, 241/12-2, 241/13-1, 241/18, 241/2, 241/4, 241/5, 241/6, 241/7, 241/8, 241/8-1, 241/9-1, 242/1, 242/2, 242/4-2, 242/4-3, 242/5, 242/6, 242/7, 242/8, 245/4, 245/5, 245/6, 245/6-1, 245/6-2, 245/6-3 and 245/6-4 at Aruvikkara Village and Panchayath, Nedumangad Taluk,

Thiruvananthapuram District, Kerala by M/s Travancore Blue Metal Industries (P) Ltd. (File No. 152/SEIAA/KL/3072/2013) – Court Case

Project Proponent : Mr. Suresh Kumar Director, M/s Travancore Blue Metal
EIA Consultant : Enkay Environ Service Pvt Ltd, Jaipur

The Proponent has filed a WP (C). No. 8403 of 2015 in which he prayed that the Hon'ble court may be pleased to issue an interim direction directing the respondents to act upon the deemed EC in favour of the petitioner. For the above WP(C) Hon'ble High Court issued a judgement dated 25-06-2015 that the SEIAA shall give a date of hearing within one month from the date of appearance and dispose of the same at any rate within one month from the date of hearing.

The Committee appraised the proposal and found that the proponent has not submitted the approved mining plan as per KMMC Rules 2015. Hence the Committee decided to **DEFER** the item for a site inspection by a sub-Committee consisting of Sri. John Mathai and Sri. Sreekumaran Nair and call for approved mining plan as per the KMMC Rules 2015. Meanwhile SEIAA may hear the applicant as per the directions of Hon'ble High Court in the above said WP(C).

Item No.44.10 Environmental clearance for sand mining in Valapattanam River (from Parassinikadavu Bridge to Valapattanam Bridge) in Kannur District, Kerala, submitted by District Collector, Kannur (File No. 571/SEIAA/EC4/4230/2014)

Project Proponent : District Collector, Kannur
EIA Consultant : CED

The District Collector, Kannur attended the meeting in person. The Committee found that the sand audit report prepared by CED for Valapattanam River has not been approved by the Government. The District Collector informed that SEIAA has issued EC for removal of sand at the 50% of the quantity as mentioned in the sand audit report of CED. In this proposal there are 14 kadavus falling in 5 Panchayats. The stretch of Valapattanam River from which EC is requested for sand mining falls under CRZ area.

The Committee decided to **DEFER** the item for submitting the following.

1. Approved sand audit report by the Government for the stretch.
2. Remarks from KCZMA, since the proposed area falls under CRZ.

Item No.44.11 EC application for removal of ordinary earth from Sy. Nos. 2572/A, 2572/A1, 2571/1 at Vanchiyoor Village, Thiruvananthapuram Corporation, Thiruvananthapuram Taluk, Thiruvananthapuram District, Kerala by Mr. John Jacob (File No. 401/SEIAA/KL/2829/2014)

Project Proponent : Mr. John Jacob

The Committee appraised the project and found that the profile submitted by the proponent is not of the proposed site. The Committee decided to **DEFER** the item for hearing the proponent.

Item No.44.12 **Environmental Clearance for removal of ordinary earth in Sy. No. 26/1A32 at Enanalloor Village, Ayavana Panchayath, Muvattupuzha Taluk, Ernakulam District, Kerala by Sri. P.S. Moosa (File No. 549/SEIAA/KL/4030/2014)**

Project Proponent : Sri. P.S. Moosa

The Committee appraised the proposal based on the details provided by the applicant. The proponent has submitted consent from the adjacent owners. Therefore the Committee decided to **RECOMMEND** the application for issuance of Environmental Clearance for removal of 1500 m³ of ordinary earth, uniformly by forming terraces limiting the average depth to 2m.
(The appraisal report is attached as annexure 4)

Item No.44.13 **Environmental Clearance for removal of ordinary earth in Sy. No. 406/2 pt at Vazhakulam Village and Panchayath, Kunnathunadu Taluk, Ernakulam District, Kerala by Dr. Valsa Thomas (File No. 530/SEIAA/KL/3834/2014)**

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Item No.44.14 **Environmental Clearance for removal of ordinary earth in Sy. No. 406/2 at Vazhakkulam Village, Kunnathunadu Taluk, Ernakulam District, Kerala by Smt. Dr. Valsa Thomas (File No. 677/SEIAA/KL/5357/2014)**

Project Proponent : Smt. Dr. Valsa Thomas

The Committee appraised the proposal based on the details provided by the applicant and field inspection reports submitted. The subcommittee informed that the earth being removed from the land is evident from the characteristics. Deep cuttings of more than 10 m are visible in the area and already mined hill is seen standing precipitatory, most unstable and dangerously located. It has to be removed to avoid collapse of the hillock. Already earth has been removed from more than 2 acres. Terracing suggested by CWRDM was not practiced in the areas where soil was already removed.

Since the subcommittee has reported violation, SEIAA may take appropriate actions. Mining of earth from hillock requires consent from the adjacent land owners. Therefore the Committee decided to **DEFER** the item for the production of consent from adjacent land owners and also map showing the exact locations from where earth is already removed, partially removed and proposed to be removed attested by the Village Officer.

Item No.44.15 **Environmental clearance for removal of ordinary earth in Sy. No. 58/9-44, 58/10-5, 58/1-12, 58/1-13 at Pathanamthitta Village and Pathanamthitta Municipality, Kozhenchery Taluk, Pathanamthitta District. (File No. 782/SEIAA/EC4/1165/15)**

Project Proponent : Sri. Umasankar

The Committee appraised the proposal based on the details submitted and field inspection report. The subcommittee found that earth has been removed at a depth of approximately 5-6 meters from surface level at some points at the site. Mining of very large quantity of earth from the site is sure to destroy aquifers leading to adverse impact on water resources in the area and would completely destroy the eco system. Mining on the hillock will result in intense surface run off during rainy seasons leading to heavy soil erosion. This would not only impact the eco systems but also adversely affect the neighborhood settlements. It is not advisable to recommend the application for mining in the area. The Committee found that there is potential threat to the environment and hence SEAC **does not recommend** the project. **(The appraisal report is attached as annexure 5)**

Item No.44.16 **Environmental Clearance for removal of ordinary earth in Sy. No. 197/11, 197/16, 197/2 at Ikkaranadu South Village, Kunnathunadu Taluk, Ernakulam District, Kerala by Sri. Skaria S/O Varkey and Saramma. (File No. 741/SEIAA/KL/083/2015)**

Project Proponent : Sri. Skaria S/O Varkey and Saramma

The Committee appraised the proposal based on the details provided by the applicant and field inspection reports. Since the proponent has submitted consent from the adjacent owners, the Committee decided to **RECOMMEND** the application for issuance of Environmental Clearance for removal of 35000 m³ of ordinary earth, uniformly by forming terraces limiting the average depth to 2 m. **(The appraisal report is attached as annexure 6)**

Item No.44.17 **Environmental clearance for removal of brick earth in Sy. No. 67/2 at Amballoor Village, Alagappanagar Panchayath, Mukundapuram Taluk, Thrissur District, Kerala by Sri. M.A. Chandran (File No. 265/SEIAA/EC1/1214/2014)**

Project Proponent : Sri. M.A. Chandran

The Committee considered the matter and found that this is a unique case and decided to adhere to the previous decision taken by the 38th meeting of SEAC.

Item No.44.18 **Environmental Clearance for removal of red earth in Sy. No. 556/11 at Thamarakkulam Village, Mavelikkara Taluk, Alappuzha District, Kerala by Mr. Sureshkumar (File No. 266/SEIAA/KL/1215/2014)**

Project Proponent : Mr. Sureshkumar

The Committee appraised the proposal and endorsed the decision of the 38th meeting of SEAC **RECOMMENDING** the application for issuance of Environmental Clearance, for removal of 3000m³ of laterite earth limiting the depth to 3 m and preserving 1m thick top soil for refilling the site after the excavation from the present field level. **(The appraisal report is attached as annexure 7)**

Item No.44.19 Environmental Clearance for Laterite mining in Re Sy.nos.249, 250 at Kothanellor Village, Manjoor Panchayath, Vaikom Taluk, Kottayam District, Kerala by Sri. K.M. Mathew (File No.667/SEIAA/EC4/5135/2014)

Project Proponent : Sri. K.M. Mathew

The Committee appraised the project based on the form I provided by the applicant. SEAC in its 38th meeting has insisted on production of mining plan for considering the applications. But SEIAA is of the view that brick earth/laterite earth do not need mining plan. The Committee felt that the functioning of SEAC in this regard is guided by the OM issued by the Moef on 24-12-2013. Therefore Committee is of the view that there is no need to change the decision taken in its 38th meeting.

Item No.44.20 Environmental Clearance for soil excavation for manufacturing of Bricks by Sri. Vijayan (DoECC/E3/651/2014)

Project Proponent : Sri. Vijayan

The Committee considered the proposal and found that the application in the required format has not been submitted by the proponent. Hence the Committee decided to **DEFER** the item and to direct the proponent to submit application in prescribed format within a period of one month from the date of uploading of the minutes on the website.

Day II (13.08.2015)

Item No.44.21 Environmental clearance for the Building stone quarry project in Sy. Nos. 781/1-23-1 & 781/1-23-2 at Athikkayam Village, Ranni Taluk, Pathanamthitta District, Kerala by Mr. Tomy Abraham (File No. 121/SEIAA/EC4/2200/2013)

Project Proponent : Mr. Tomy Abraham,
EIA Consultant : M/s Metamorphosis

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

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The proponent informed that there will not be any overburden. The top soil will be stored separately for plantation purpose. The lowest ground level at present is 255 m. The Committee apprehended that majority of avian fauna mentioned in the report is of wetland type.

The proposal was considered in the 23rd meeting of SEAC held on 6th and 7th Oct, 2014 and it was classified as B1 as series of complaints against the quarry were raised by public. Although SEIAA in its 26th meeting held on 24-01-2014 accepted the decision of SEAC, the SEIAA demitted back the proposal to reconsider the classification of the project based on the OM dated 24-12-2013 in its 38th meeting held on 04-06.2015.

The Committee appraised the proposal based on the Form I, Mining Plan, Prefeasibility Report and other documents and found that the proposal falls within the classification as B2 and the complaints made by the public are not against this quarry as revealed in the NOC issued by District Collector and Directorate General of Mines Safety. Therefore the Committee decided to **RECOMMEND** issuance of Environmental Clearance with the following specific conditions in addition to the general conditions stipulated for mining projects.

1. The lowest pit level should be limited to 245 m.
2. The 1% of project profit preferably be given to BMC of the concerned Panchayat and other 1% is for sustainable need based developmental activities of the locality.
3. Reclamation and eco-restoration should be done by planting native species

(The appraisal report is attached as annexure 8)

Item No.44.22 Environmental clearance for the quarry project in Sy. No. 211/6-2,5-2,1,2,3-2,4,10,9,8-2,5-4,3-1,5-1,5-5,6-1,7,8-1,212/2,9,10,11-2,12,3,4-,6,11-1, 249/8(p) & 249/4a at Ayyampuzha village, Aluva Taluk, Ernakulam District, Kerala by Sri. George Antony – Managing Director for M/s GK granites (File No. 521/SEIAA/KL/3825/2014)

Project Proponent : Sri. George Antony, Managing Director, M/s GK granites

EIA Consultant : M/s Creative Engineers and Consultants

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation. The proponent informed that the mining activities were stopped from May 15th onwards due to the receipt of stop memo from Mining and Geology Department.

The proponent informed that there is a valid lease for the quarry. The vegetation in the northern side is rubber plantation. The Committee viewed that the amalgamation of the two projects (521 and 523) may be preferred in the view of maximum resource utilization.

The Committee decided to **DEFER** the item for a site inspection by a sub-Committee consisting of Sri. John Mathai, Dr. K G Padmakumar and Sri. Sreekumaran Nair.

Item No.44.23 **Environmental clearance for the quarry project in Sy. No. 51/1,3,4,5,6, 53/2,3,4,5,6,7,60/4,5,7&66/4 at Kizhakkambalam village, Kunnathunadu Taluk, Ernakulam District, Kerala by Sri. George Antony – Managing Director For M/s GK granites (File No. 522/SEIAA/KL/3826/2014)**

Project Proponent : Sri. George Antony, Managing Director, M/s GK granites
EIA Consultant : M/s Creative Engineers and Consultants

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

The Committee found that the Panchayat Secretary issued a license on 21.5.2015 for quarrying for a period up to 31.3.2016 without EC. This is violation as per OMs and existing court orders. SEIAA may consider pursuing action against violation.

The Committee decided to **DEFER** the item for site inspection by a sub-Committee consisting of Sri. John Mathai, Dr. K G Padmakumar and Sri. Sreekumaran Nair.

Item No.44.24 **Environmental clearance for the quarry project in Sy. No. 240/3, 240/5, 240/7, 240/8, 240/9, 241/10(P), 241/11(P), 242/1-2, 242/1-3, 242/1-4, 242/2, 242/3-1, 242/3-2, 242/3-4, 242/3-5, 243/1-1(P), 243/1-2(P), 243/2-1,243/2-2, 243/2-3, 243/2-4,243/3-2,243/5-2, 244/1-(P),244/1-2(P),244/5-2(P), 246/3-2,246/3-3, 246/4-2, 246/4-3, 246/4-4, 246/5, 240/6, 241/4, 242/1-1, 242/3-3, 242/3-6, 243/3-1, 243/5-1, 244/5-1(P),246/4-1(P) at Ayyampuzha Village, Aluva Taluk, Ernakulam District, Kerala by Sri. George Antony – Managing Director For M/s Crystal granites (File No. 523/SEIAA/KL/3827/2014)**

Project Proponent : Sri. George Antony, Managing Director, M/s GK granites
EIA Consultant : M/s Creative Engineers and Consultants

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

In the proposal it is stated that the surface is around 20 m and the mining is proposed up to MSL.

The Committee decided to **DEFER** the item for site inspection by a sub-Committee consisting of Sri. John Mathai, Dr. K G Padmakumar and Sri. Sreekumaran Nair.

Item No.44.25 **Environmental clearance for the quarry project in Sy. No. 83/20-1, 83/20-2, 83/10, 83/28, 83/31, 82/13-2, 83/16, 82/9, 83/29, 83/33, 82/13-1, 83/9, 82/5-2, 82/16, 82/10, 82/15, 83/5 & 84 P (Govt. Land) at Mankode village, Kottarakkara taluk, Kollam district, Kerala by Sri.M. Abbas (File No. 665/SEIAA/KL/5180/2014)**

Project Proponent : Sri.M. Abbas
EIA Consultant : M/s Metamorphosis

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

Minutes for the 44th SEAC meeting held on 12th and 13th August, 2015

The proponent informed the Committee that this is a new quarry with highest elevation of 265 m MSL and lowest elevation is 215 m MSL. But in the EC application, it is stated that the project is expansion project.

The Committee decided to **DEFER** the item for a site inspection by a sub-Committee consisting of Sri. John Mathai and Dr. George Chackacherry and also to direct the proponent to submit FM sketch/cadastral map of the proposed area.

Item No.44.26 **Environmental clearance for the quarry project in Sy. No. 428(P) at Edayoor Village, Tirur Taluk, Malappuram District by Sri. U. Abdul Kareem, for M/s U.K. Granites.**
(File No. 727/SEIAA/KL/6106/2014)

Project Proponent : Sri. U. Abdul Kareem, for M/s U.K. Granites
EIA Consultant : Anacon Laboratories Pvt. Ltd.

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

The proponent informed the Committee that the project is an existing quarry and is non functional now. The Committee found that there was an average thickness of 0.5 m of soil cover. The proposed quarry is situated in patta land and the proponent has got consent from the owner for mining. The proposed height of bench is 5 m and width is more than the height. The Committee observed that the CSR proposed is too meager The Committee decided to **DEFER** the item for field visit by a sub-Committee consisting of Sri. John Mathai, Dr.Khaleel Chovva and Dr.Harikumar.

Item No.44.27 **Environmental clearance for the quarry project in Sy. No. 153 at Edayoor Village, Tirur Taluk, Malappuram District by Sri. Ardnan Mandrees, for M/s Vadakkumbram Granite Crusher.**
File No. 728/SEIAA/KL/6107/2014

Project Proponent : Sri. Ardnan Mandrees, M/s Vadakkumbram Granite Crusher
EIA Consultant : Anacon Laboratories Pvt. Ltd.

Further to the intimation of SEAC, the proponent along with the consultant attended the meeting and the consultant made a brief PowerPoint presentation.

The proponent informed that this is an existing quarry with a crusher unit. The quarry is in the village boundary. The owner of the land has given consent for mining to the applicant through power of attorney. The Committee decided to **DEFER** the item for field visit by a sub-Committee consisting of Sri. John Mathai, Dr. Khaleel Chovva and Dr.P.S.Harikumar.

Item No.44.28 **Environmental clearance for the quarry project in Sy. Nos. 163/2,3, 4,7,8, 164/1,4 ,6,9,10,18-A,165/1A,3 and 4 at Karavarom Village, Varkala Taluk, Thiruvananthapuram District, Kerala by Sri.**

Sreekumar, S. S. for M/s. M.S. Building Products. (File No. 763/SEIAA/KL/447/2015).

Project Proponent : Sri. Sreekumar, S.S. for M/s. M.S. Building Products
EIA Consultant : NIL

Further to the intimation of SEAC, the proponent along with the RQP attended the meeting and the proponent gave a brief introduction about the project and RQP presented the mining Plan. The lease area of the project consists of 4.5430 hectares, which is a private land. The current proposal is for the existing quarry. The lowest elevation of proposed area is 75 m MSL and the highest is 105 m MSL.

The Committee decided to **DEFER** the item for field visit by a sub-Committee consisting of Sri. John Mathai, and Dr.P.S.Harikumar.

Other items

1. Consideration of the Item No. 43.04 of 43rd SEAC meeting.
The Committee had taken decision with regard to the Agenda Item 43.04 in 43rd meeting as follows-
*‘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 by M/s Malabar Bricks and Metals.
File No. 437/SEIAA/KL/2997/2014
Project Proponent : Mr. Azad M.M., Managing Partner
EIA Consultant : M/s Enkay Enviro Services Pvt. Ltd., Rajasthan-302001*

*The Committee examined the field investigation report and found that the report does not contain analysis of the biodiversity of the locality. The Committee **deferred** the matter for incorporating the observations of the subcommittee about the faunal diversity of the locality.’*

The members of the subcommittee who conducted field inspection informed in the meeting that they did not notice any evidence of rich biodiversity and hence no special mention was made in the field inspection report. In the light of the said opinion of the sub Committee members, the Committee decided to **RECOMMEND** the item for issuance of EC with the following specific condition in addition to the general condition for mining.

1. Over burden generated in the upper slope is presently stacked by the side of the working. The entire OB must be transported and stored in the designated place in the lower level. This stack must be provided with a protective wall and vegetative cover.
2. Additional pits may be provided at the lower most part for directing drainage from the quarry with a silt trap or other suitable mechanism for clarification of water. Loose boulder check dam can also be provided on the lower part upstream side of the culvert.
3. Considering the narrow width of the approach road it may be necessary to restrict the entry of large sized vehicles.

4. The elevation of the flat land on the southern side with a ephemeral stream is about 80 m above MSL. Hence the ultimate depth of mine should be limited to above 80 m AMSL.
5. Outer fencing and sign boards must be provided.
6. Reclamation and eco-restoration should be done by planting native species.

(The appraisal report is attached as annexure 9)

The meeting ended at 5.00 pm with vote of thanks to the Chairman and Members.

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

Dr. Keshav Mohan
(Chairman i/c, SEAC)

List of members present

Day 1

1. Dr. Keshav Mohan
(Chairman i/c)
2. Dr. Oommen V. Oommen
3. Sri. John Mathai
4. Dr. George Chackacherry
5. Dr. K. M. Khaleel Chovva
6. Sri. S. Ajayakumar
7. Dr. K. G. Padmakumar
8. Dr. Hari Krishnan K
9. Sri. P. Sreekumaran Nair
10. Sri. C.S. Yalakki IFS
(Secretary SEAC)

Day 2

1. Dr. Keshav Mohan
(Chairman i/c)
2. Dr. Oommen V. Oommen
3. Sri. John Mathai
4. Dr. George Chackacherry
5. Dr. K. M. Khaleel Chovva
6. Sri. S. Ajayakumar
7. Dr. K. G. Padmakumar
8. Dr. Hari Krishnan K
9. Sri. P. Sreekumaran Nair
10. Sri. C.S. Yalakki IFS
(Secretary SEAC)