

MINUTES OF THE 56th MEETING OF THE STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA) KERALA HELD ON 23-7-2016 AT 9.30 A.M IN THE HARITHASREE HALL, OFFICE OF THE SEIAA, THIRUVANANTHAPURAM.

Present:

1. Prof. (Dr). K.P. Joy, Chairman, SEIAA
2. Dr. J. Subhashini, Member, SEIAA
3. Sri. V.S. Senthil. I.A.S. Additional Chief Secretary & Member Secretary, SEIAA.

The 55th meeting of SEIAA and the 23rd meeting of the Authority as constituted by the notification No. S.O. 804 (F) dated 19-3-2015 was held from 9.30 a.m in Harithasee Hall of the office of SEIAA at Pallimukku, Pettah on 23-7-2016.

Member Secretary wanted the DEIAA/DEAC to be fully functional and all cases to be considered by DEIAA to be taken up by DEIAA without further delay. Site Inspection shall be a part of appraisal by SEAC in respect of quarries and SEIAA should ensure it as a part of due diligence. The Online process for submission of application for E.C must be made operational immediately.

Item No. 56.01 Confirmation of minutes of 55th SEIAA meeting

Confirmed.

Item No. 56.02 SEIAA – Petitions on Environmental Clearance and general complaints on illegal quarries and other environmentally degrading activities (individual cases consolidated)

Sl. No.	Petitioner	Subject	Nature of complaint	Decision of SEIAA
1	Sri.K.K.Rajappan& Others , Kadarakkuzhiyil. Purappuzha.P.O., Thodupuzha, Idukki – 685583	Complaint against the quarrying in Block No. 13 in Kodikuthy-Valanpara in Purappuzha Village, Thodupuzha Taluk	Petitioners requested to consider their opinion before issuing EC to this quarry.	EC Application not received In item No. 55.19, SEIAA on 16.7.2016 has decided that Govt. may be moved to identify environmentally compatible minable areas, satisfying legal restrictions and guidelines on mining. Petitioner may approach District Collector, Idukki for further action on the petition.

2	Sri. K.G.Anilkumar, Convenor, Kizhakamala Samrakshanasamithy, Thalapalam, Meenachil, Kottayam	Complaint against the quarry owned by Sri. Tomy Thomas, PulikkalVeedu, Kulathukavu,	1. Proponent violating the general conditions given in the EC No.806/SEIAA/EC4/2 237/2015 dated 4-3- 2015. 2. Since the Kizhakamala is earthquake prone area, quarrying not to be allowed according to CESS report.	Authority considered the petition and also the report No. 317/TDR/16-PSD dated 16.7.2016 of the Inspector of Police, Erattupetta that the quarry has violated the general conditions No.5 9, 17 of the EC, and decided to issue Stop Memo to the quarry.
3	Sub Collector, Thiruvalla	Complaint against Shanio Metal Crusher Unit regarding the violation of 100 m buffer distance from boundary of the Ponmala Temple. MoEF has also called for a report.	Sub Collector reported based on the site inspection conducted by Village Officer that the said quarry violated the distance condition.	SEIAA decided to issue Stop Memo for violation of the buffer distance condition in EC No.75/SEIAA/KL/ 170/2013 dated 31.10.2013.

Item No. 56.03 Removal of Ordinary earth/Brick earth/ laterite building stone Environmental Clearance issued-Applications for extension of period of validity of Environmental Clearance.

Authority decided to extend the validity of the E.Cs by six more months from the respective dates of expiry subject to the condition that no further extension will be allowed.

Item No. 56.04 Environmental clearance for removal of ordinary earth in Re.Sy.No. 69/7 at Ottappalam - I Village, Ottappalam Taluk, Palakkad District by Sri.Khalid& Sri.Moideen (File No. 922/SEIAA/EC1/3860/2015)

As per the notification of MoEF & CC No. S.O. 141 (E) dated 15-01-2016, earth work in connection with the foundation of buildings having approved building plan does not require Environmental Clearance. Therefore the 57th meeting of SEAC held on 16th & 17th June 2016 recommended delisting the proposal.

Authority accepted the recommendation. Proposal to be delisted and file closed.

Item No. 56.05 Environmental clearance for removal of ordinary earth in Sy.No. 533/11A2, 11A1, 10-2, 10-1at, MaradyVillage, Muvattupuzha Taluk, Ernakulam by Sri.Saji (File No. 930/SEIAA/EC3/3907/2015)

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 1500 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of

removal to 2m.

Item No.56.06 **Environmental clearance for removal of ordinary earth in Block-2 in Re Sy.No. 259/1 at Ayarkunnam Village, Kottayam Taluk, Kottayam by Sri.Ajith (File No. 931/SEIAA/EC4/3908/2015)**

The proposal was considered in the 57th Meeting of SEAC held on 16th&17th June 2016. As per the notification of MoEF & CC No. S.O. 141 (E) earth work in connection with the foundation of buildings having approved building plan does not require Environmental Clearance. Therefore the Committee decided to recommend to delist the proposal. Sri Ajth Kunnappally submitted a representation on 14-6-2016 that he has obtained permission from the Geologist, Kottayam to remove ordinary earth as per the Judgment dated 10-12-2015 in W.P. © No. 37459/2015, directing that permit may be given without E.C. Hence he was requested to cancel the application and refund the processing fee of Rs.75,000.

Authority decided to delist the application. As regards refund of processing fee in cases delisted/ rejected for reasons not attributable to the applicant the matter may be taken up with Government to refund 50% of the amount remitted to Government.

Item No. 56.07 **Environmental clearance for removal of ordinary earth in Re. Sy.No.113/50 at Vadakkanchery Village, Thalappilly Taluk, Thrissur District, Kerala by Sri.Devadas, C. C. (File No. 932/SEIAA/EC1/3909/2015)**

As per the notification of MoEF & CC No. S.O. 141 (E) dated 15-01-2016, earth work in connection with the foundation of buildings having approved building plan does not require Environmental Clearance. Therefore the 57th meeting of SEAC held on 16th &17th June 2016 recommended to delist the proposal.

Authority accepted the recommendation. Proposal to be delisted and file closed.

Item No. 56.08 **Environmental clearance for removal of ordinary earth in Re.Sy. No. 213/17, 213/17A, 213/24 at Edaikkode Village, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala by Sri. K. N. Anandakumar (File No. 943/SEIAA/EC1/4119/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 8000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 1m.

Item No. 56.09 **Environmental clearance for removal of ordinary earth in Block No.92 in Sy.No. 265/1, 15 at Nilambur Village,**

**Nilambur Taluk, Malappuram District by Sri.Kandappan
Hamsa (File No.945/SEIAA/EC1/4147/2015)**

As per the notification of MoEF & CC No. S.O. 141 (E) dated 15-01-2016, earth work in connection with the foundation of buildings having approved building plan does not require Environmental Clearance. Therefore the 57th meeting of SEAC held on 16th & 17th June 2016 recommended to delist the proposal.

Authority accepted the recommendation. Proposal to be delisted and file closed.

Item No. 56.10 **Environmental clearance for removal of ordinary earth in Block 48 Re Sy.No.104/5pt at, Aikkaranadu South Village, Kunnathunadu Taluk, Ernakulamby Sri. Benny Jose (File No. 951/SEIAA/EC3/4248/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 7000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 1m.

Item No. 56.11 **EC application for removal of ordinary earth from Sy. No. 140/1 at Ikkaranad South Village, Ikkaranad Panchayat, Kunnathunad Taluk, Ernakulam District by Sri. Thomas (File No. 953/SEIAA/EC3/4392/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 4000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m.

Item No. 56.12 **Environmental clearance application for removal of ordinary earth from Sy. No. 140/1-2 at Ikkaranad South Village, KizhakkambalamPanchayat Kunnathunad Taluk, Ernakulam District by Sri. George (File No. 954/SEIAA/EC3/4393/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 5000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m

Item No. 56.13 **EC application for removal of ordinary earth from Sy. No. 114/6-1 at Pattimattom Village, Kizhakkambalam Panchayat Kunnathunad Taluk, Ernakulam District by Sri.George (File No. 955/SEIAA/EC3/4394/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 3000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m.

Item No. 56.14 **EC application for removal of ordinary earth from Sy.No.114/6-2 at PattimattomVillage, Kizhakkambalam Panchayat Kunnathunad Taluk, Ernakulam District by Sri. Mathew Paulose (File No. 956/SEIAA/EC3/4395/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 3500 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m.

Item No. 56.15 **EC application for removal of ordinary earth from Sy. No. 360/3at Arayakkappadi Village, Vengola Panchayat, Kunnathunadu Taluk, Ernakulam District by Sri.Unais(File No. 972/SEIAA/EC3/4486/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 4000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m.

Item No. 56.16 **EC application for removal of ordinary earth from Sy. No. 353/10, 353/1-3 at Arayakkappadi Village, Vengola Panchayat, Kunnathunadu Taluk, Ernakulam District by Sri.Maithee .P.A (File No. 973/SEIAA/EC3/4487/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 8000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 2m.

Item No.56.17 **Environmental clearance for removal of ordinary earth in Sy.No. 1244/1 at Killannur Village, Thrissur Taluk, Thrissur District by Sri. K. A. Francis (File No.974/SEIAA/EC1/4514/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 9000 m³ of ordinary earth subject to the condition that removal shall be in a terraced manner limiting the maximum depth of removal to 1m.

Item No. 56.18 **EC application for removal of ordinary earth from Sy. No.97/1A, 97/1B at Valakam Village, Valakam Panchayat, Muvattupuzha Taluk, Ernakulam District, Kerala by Sri.Aji.M.Thottathil (File No. 983/SEIAA/EC3/4646/2015)**

Authority approved for issuance of Environmental Clearance on usual conditions for mining of ordinary earth stipulated in O.M No. L.11011/47/2011-IA.II(M) dated 24-6-2013 of the Ministry of Environment & Forests, for removal of 800 m³ of ordinary earth subject to the condition that removal should be in a uniform manner.

Item No. 56.19 **Environmental clearance for the quarry project in Sy.No.67 (Pt) at Kakkad Village, Kozhikode Taluk, Kozhikode District, Kerala by Sri. P.K. Abdul Razack (File No. 660/SEIAA/EC4/5175/2014)**

The proposal was considered in the 57th Meeting of SEAC held on 16th & 17th June 2016 and decided to recommend for issuance of EC for mining subject to the general conditions along the specific condition that the depth of mining shall be limited to 75 m. Authority noted that the lease area consists of 9.2995 hectares. The highest elevation of the lease area is 195 m MSL and lowest is 40 m MSL. Distance of mining area from nearest human settlement is 43 m-SE. 100 m buffer distance is proposed to be kept between the nearest house and the proposed mining area. Site inspection has not been conducted.

Authority decided that site inspection report of the SEAC is necessary in this case with clarification whether the distance to the nearest dwelling unit is not to be measured from the boundary of the lease area. It may also be clarified whether the Mining Plan need not be modified if buffer distance of 100 meters is to be kept from the nearest dwelling unit as undertaken.

Item No. 56.20 **Environmental clearance for the proposed quarry project in Sy.No.267/1(pt), 267/2(pt), 269/1(pt), 270/1, 270/2(pt), 270/3(pt), 270/4(pt), 270/5(pt), 270/6(pt) & 276/1(pt) at Nediyruppu Village, Kondotty Taluk, Malappuram**

District by Sri.Muhammed Haneefa (File No. 730/SEIAA/EC1/02/2015)

The proposal was considered in the 57th meeting of SEAC held on 16th&17th June 2016 and recommended for issuance of EC for mining subject to the general conditions and to the specific condition that the depth of mining shall be limited to 70m. SEAC also reported that, as the proponent has admitted that the quarry is presently operational based on the permit there is a violation, which may be looked into by SEIAA.

Authority resolved that in such cases of reported violation, the nature of the permission for mining ie. whether lease or permit, duration of mining already done under the existing lease/permit, total period of mining done hitherto etc and the facts constituting violation of the EIA notification or Environment (protection) Act 1986 shall be included in the inspection report or minutes of SEAC, especially to ensure that action in such cases will not derogate from the orders of the Hon: Supreme Court in S.L.P. No. 33130/15 to maintain status quo in such cases, which has been further clarified on 07-12-2015 that “the state of Kerala shall pending further orders from this Court renew all existing permits for a further period of one year and status quo order shall not be interpreted to mean that the same is an impediment for such renewal”.

Item No. 56.21 **Environmental clearance for the quarry project in Sy.No. 1080/1B, 1080/1A, 1080/2, 1081/2B, 1081/2A, 1083/3, 1082/1, Onakkoor Village, Pampakuda Panchayat, Muvattupuzha Taluk, Ernakulam District State by Mr. V.C. Mathew, Managing Director, M/s Edayan Aggregates Pvt. Ltd. (File No. 927/SEIAA/EC3/3893/2015)**

The proposal was considered in the 57th Meeting of SEAC held on 16th&17th June 2016 and decided to recommend for issuance of EC. Authority noted that the SEAC has not conducted site inspection .Extent of the mining area 4.90 ha. .Authority decided to refer the case to SEAC for site inspection and report with special mention whether cluster condition would apply, as there is another quarry in operation within 500m radius.

Item No. 56.22 **Environmental clearance for the proposed quarry project in Sy.No. 114 at Thirumittacode 2 Village, Pattambi Taluk, Palakkad District by Mrs.Elsy Joseph, Managing Director for M/s Malayakam Granites Pvt. Ltd. (File No. 929 / SEIAA / EC1 / 3895 /2015)**

The proposal was considered in the 57th Meeting of SEAC held on 16th&17th June 2016 recommended for issuance of EC for mining subject to the general conditions. Authority decided to refer the case to SEAC for site inspection and report.

Item No. 56.23**Extension of Environmental Clearance for construction of M/s Sobha Developers Ltd, Sobha city in Survey nos. 218,217,534 to 544,546 to 556 at Kolazhy/ Adat Panchayath, Puzhakkal, Guruvayoor road, Thrissur district (File No. 245/EC1/2014/SEIAA)**

M/s Sobha Developers Ltd, Sobha city, Puzhakkal P. O, Guruvayoor road, Thrissur district, Kerala was granted Environmental Clearance by MoEF, Government of India on 17th April 2008 for Construction of an integrated complex. On 26-02-2014, the proponent requested that the construction of the project is under progress and the validity of the clearance may be extended for two years for the completion of the work.

Then the proposal was placed before 47th SEAC meeting held on 13-14 October 2015 and the Committee decided to seek the clarification whether the project has any deviations from the original proposal. On report that there are no deviation or changes in the project the proposal was again considered by SEAC in its 52nd meeting held on 8/9-02-2016. The Committee noted that as per the notification of MoEF & CC dated 29/4/2015 the proponent had to apply for extension of validity of EC at least within 90 days of the expiry. But in the present case the validity of EC expired on 16/4/2013 and the proponent has submitted the application only on 26/02/14. Therefore the Committee recommended to delist the proposal. The SEIAA in its 51st meeting held on 23-03-2016 accepted the recommendation Thereon the proponent represented that they were not informed about the application date and hence to reconsider their application for extension of validity and to extend the validity up to 01-09-2017.

Authority considered the representation in the 52nd meeting of SEIAA held on 29-4-2016 and decided to refer the matter to SEAC for review of the earlier decision and for recommendations. SEAC in its 57th Meeting held on 16th&17th June 2016 found that the instructions of the MoEF in this regard are very clear and that the committee has no powers to consider an application preferred after 10 months of expiry of the validity of EC.

The Authority discussed the matter in detail and decided to delist the case and instruct the applicant to approach the MoEF, Government of India, as the EC was granted by MoEF.

Authority wanted preliminary scrutiny of applications to be more effective. Substantive defects may be detected at this stage itself and action may be taken accordingly. The OSMEC shall be made functional immediately. It is to be explored whether provisions could be incorporated to get defective applications rejected by the system itself.

Item No. 56.24**Environmental clearance for Proposed I.T. Park Project by M/s Caspian Techparks India Pvt. Ltd. in Sy.Nos.86/1, 102/4 & 102/5 at Puthencruz Village and Vadavukode-Puthencruz Panchayath, Kunnathunadu Taluk, Ernakulam District by Sri. Thomas Chacko, Managing Director, for M/s Caspian**

Techparks India Pvt. Ltd. (File No. 924/SEIAA/EC3/3890/2015)

The proposal was considered in the 57th Meeting of SEAC held on 16th&17th June 2016. Further to the intimation of SEAC. The Committee recommend for issuance of EC for the construction project subject to the general conditions and to the following specific conditions.

1. Adequate precaution should be taken to drain the storm water without causing flood.
2. Exit provided facing the junction should be avoided. Exits and entry should be limited via the gates provided at the eastern side.

The project site is within the Infopark Phase-II which is in Puthencruz Panchayat limits and several houses / buildings located within the 500 m. radius. It is not evident whether the site suffers any environmental issues such as wetland or paddy land. Therefore the Authority decided to refer *the* case to SEAC for site inspection and report.

Item No. 56.25 SEIAA – Bank Statement and Accounts for 6/2016 - (File No.1293/EC2/2015/SEIAA)

Authority directed that the Director of Environment & Climate Change may be requested to reconcile the amount of Rs. 26,845/-which is not reflected in the accounts of SEIAA due to non-accounting of a cheque for that much amount issued by the DoECC prior to 4-1-2016, the date on which the pass book was transferred to SEIAA by DoECC with credit balance of Rs. 14,575/-.

Item No. 56.26 Application for prior EC for the proposed Commercial Complex (Hotel, Convention Centre & Shopping Mall) project at Survey Nos. 1888/2-6, 1888/4-2, 1888/1-3, 1890/1, 1888/12-1-1, 1888/12-2, 1888/1-2-1, 1888/1-2, 1888/1-1-1, 1888/12-3, 1888/1-1, 1888/1-2-4-1, 1888/1-1-2, 1882, 1888/1-2-2, 1888/1-2-6, 1888/2-2, 1888/2-3, 1888/2-4, Kadakampally Village, Thiruvananthapuram Municipal Corporation, Thiruvananthapuram Taluk & District, Kerala by Sri. Nishad M. A., Director, M/s LULU International Shopping Mall Pvt. Ltd. (File No. 1047/SEIAA/EC1/899/2016)

The Authority examined the CRZ recommendations vide Letter. No. 2966/A3/16/KCZMA/S & DD dated 30-04-2016, and findings of SEAC in its 56th meeting held on 06th and 07th June, 2016 on out of turn priority considering the IGBC Certification.

2. Site visit was conducted by the subcommittee of SEAC consisting of Sri. V. Gopinathan, Chairman, Sri. John Mathai, Sri. Keshav Mohan and Sri. Ajayakumar Members on 15.6.2016 and reported as follows:

The proponent made a presentation to the Committee on 17.6.2016 on the queries made during the site visit. They produced additional plans to the committee during the presentation. The subcommittee recommended the proposal based on the site visit and subsequent presentation by the proponents to the subcommittee, with following conditions in addition to the general conditions.

1. *Rain water collection pond of 4000 KL capacity should be provided at the site.*
2. *The proponents committed that there will not be any treated water discharge. The subcommittee accepts the proposal as such.*
3. *The proponents submitted disaster management plan with emergency evacuation plan and locations of assembly points. The subcommittee accepts the proposal as such.*
4. *The proponents submitted water supply service plan. The subcommittee accepts the proposal as such.*
5. *The proponents submitted the storm water management plan with points of disposal to T S canal. The proponent shall provide more exit points to reduce overflow of storm water.*
6. *The proponents shall implement the traffic regulation plan with signalised intersection in the NH bye pass as recommended by M/s NATPAC in their EIA report which was annexed to the submitted main EIA report. Since NHAI is the authority to implement the plan along the bye pass, the proponents shall get necessary permissions and get it implemented before the project starts commercial operation'.*

3. The SEAC again appraised the project in its 58th held on 28/29-06-2016. The Committee recommend for issuance of EC for the construction project subject to the general conditions and to the following specific conditions.

1. Proper regulation of incoming and outgoing traffic will be one of the critical aspects of this project. If it is not done scientifically the whole traffic along the NH from Venpalavattam Junction to KSRTC Terminal Bypass could be thrown into disarray. Hence the implementation of the traffic regulation plan with signalised intersection in the NH bypass as recommended by M/s NATPAC in their study report which is annexed to the EIA report is of paramount importance. The recommendation is to have synchronized signals at the Venpalavattam Junction, proposed KSRTC intersection and in front of the exit gate of the Lulu Mall. Since NHAI is the authority to implement the plan along the bypass the proponents shall obtain necessary permissions and get it implemented before the project starts commercial operation.
2. As agreed by the proponent during the discussions the rain water collection facilities for 4000 KL capacity shall be provided at the site.
3. The proponents submitted the storm water management plan with two points of discharge to T S canal. But it is advisable to provide more outlets to reduce overflow of storm water.
4. Disaster management plan filed shall be scrupulously implemented.

4. The Committee filed the Disaster Management Plan, NATPAC report, schematic diagrams for storm water drainage, water supply, rain water harvesting and sewage treatment system and soil test report submitted by the proponents during the presentation for future reference.

5. In due consideration of the green rating for buildings, CRZ clearance stipulations and specific conditions recommended by SEAC, the case was placed in the 55th meeting of SEIAA held on 16-07-2016. The Authority decided to defer the case for the next meeting for studying the proposal in detail.

6. The total built-up area being 232,400 m² it requires environmental assessment report to be appraised as category B1. Procedural requirements for appraisal as category B1 have been observed. The proposal has the Certificate of Indian Green Building Council (IGBC) rating System. The Authority assessed that the project being executed under CRZ clearance conditions and in an environmentally degraded area beside the polluted T.S canal, shall conform to procedure integrity and facilitate environmental improvement of the locality. Towards this end the Authority decided to impose the following additional conditions for environmental management and mitigation of adverse impacts:

1. The No Development Zone of CRZ III shall be preserved as a green area with proper landscaping in line with the condition in the CRZ clearance.
2. Upkeep and maintenance of the T. S canal stretch traversed by the project site shall be taken up and executed by the proponent as their CSR activity pertaining to the project. The amount allotted for CSR should be enhanced to minimum 1% of total cost.
3. The proponent shall submit a feasible scheme on the above conservation programmes to SEIAA before the issue of EC.
4. Survey boundaries of the canal based on geographic co-ordinates shall be fixed and exhibited on visible boards as boundary of the T.S Canal portion, to prevent encroachment. Wiremesh fencing shall be erected all along the approved survey boundary of the canal within the area possessed by the proponent also as a safety measure, the canal being very deep throughout the length and breadth traversed by the boundary.
5. At least 10% of the total energy requirement of the project shall be from non-conventional sources. Renewable energy source should be, as per the Renewable Purchase Obligation, notified by the Kerala State Electricity Commission. As per the provisions of the Ministry of New and Renewable Energy, solar water heater of minimum capacity 100 litre/4 persons (25 litre per capita) total installed.

6. The proponent shall obtain explosive licence for storage of diesel and the diesel for the generator system shall be stored only in underground storage tanks conforming to safety specifications.
7. Use of glass for the construction should be limited to the minimum as per the Green building norms. All common area lighting must be of LED/solar lights.
8. The project shall have energy saving certificate from Government of India.
9. The STP shall have 25% additional capacity than that estimated for the present use, to cope with the future needs. No effluent not conforming to the standards fixed by the state Pollution Control Board.
10. Ground water having found to be polluted and does not conform to standards shall not be used for any purpose requiring higher purity and standard specifications.
11. Adequate measures should be taken to prevent odour problem from solid waste processing and STP.
12. Parking should be fully internalised and no public space should be used. Traffic congestion near the entry and exit point should be avoided.
13. E-waste should be stored separately and disposed through KSPCB approved agency.
14. Mitigation measures to reduce Carbon dioxide production as part of climate change action shall be adopted.
16. Structural safety earth quake, fire fighting etc shall be as per national building code.
17. In the construction phase noise attenuation will be ensured by restricting loud noise activities to daytime, provision for PPE and acoustic enclosure for DG sets. In the operation phase noise pollution will be checked through acoustic enclosure for DG sets and green belt plantation.
18. The biological environment shall be improved by landscaping the banks of the canal and no development zone with native flowering creepers and other suitable native fruit trees and aesthetic species.

19. Construction wastes shall on no account be dumped in the canal or any water body.
20. Permanent Environment Management Cell as undertaken in the EMP shall be put in place for implementation of the EMP and ensuring the mitigation measures undertaken by the proponent and stipulated in the E.C.
7. The Authority in due consideration of the green rating for the building, CRZ clearance stipulations and the specific conditions recommended by SEAC, decided to grant integrated E.C to the proposed Commercial Complex (Hotel, Convention Centre & Shopping Mall) project of M/s Lulu International Shopping Mall Pvt Ltd, 34/1000, NH-47, Edappally Kochi, 688007 at Survey Nos. 1888/2-6, 1888/4-2, 1888/1-3, 1890/1, 1888/12-1-1, 1888/12-2, 1888/1-2-1, 1888/1-2, 1888/1-1-1, 1888/12-3, 1888/1-1, 1888/1-2-4-1, 1888/1-1-2, 1882, 1888/1-2-2, 1888/1-2-6, 1888/2-2, 1888/2-3, 1888/2-4, of Kadakampally Village, Thiruvananthapuram Municipal Corporation, Thiruvananthapuram Taluk & District with the above additional conditions and the general conditions for buildings and the specific condition during construction and operational phase and on production of the conservation scheme mentioned at para 6.3 to the satisfaction of the Authority.

The meeting ended at 11.30 a.m

Sd/-	Sd/-	Sd/-
Dr. K.P. JOY	Dr. J. SUBHASHINI	Sri. V.S. SENTHIL. I.A.S
Chairman	Member	Member Secretary