

<p>117- F. 440/2011</p>	<p>Construction of Hospital Building for institution of Medical science & Research Centre by M/s. Karpaga Vinayaga Educational Trust at S.F.No. 42/4A, 43/4, 49/1, 49/2, 50/1, etc, Palayanoor & Chinnakolampakkam Village & 109/1A, 2A1, etc of Mossivakkam Village, Madhuranthagam Taluk, Kancheepuram District, Tamil Nadu – Activity 8(a) & Category “B”- Building And Construction Projects – Environmental Clearance to be issued under violation notification dated: 08.03.2018 of MoEF & CC – Regarding.</p>
	<p>The Project Proponent M/s. Karpaga Vinayaga Educational Trust initially applied to SEIAA-TN on 27.01.2011 for Environment Clearance for the construction of Institute Of Medical Science & Research Centre at S.F.Nos. 42/4A, 43/4, 49/1, 2, 3, 4, 50/1, 3& 51/4B, 53/2 of Palayanoor Village & Survey Nos. 108/1, 109/1A, 1B, 2A1, 2A2, 2A3, 3A1, 3A2, 3A3 & 4, 110/1, 2, 3, 4 & 5, 111/1A1, 1A2, 1B, 1C, 1D1, 1D2, 1E, 1F, 2A & 2B, 112/1, 2, 3, 4, & 5, 113, 114/1, 2, 3, 4, 5, 6, & 7, 115, 116/1, 2A, 2B, 119/1A1, 1F, 1G2, 2A, 127/1, 2, 3, 4, 5, 6, 128/1, 2, 3, 129/1, 2, 130/1A, 1B1, 1B2, 1C, 131/5, 6, 7A & 7B of Moosivakkam Village, Madhuranthagam Taluk, Kancheepuram District, Tamil Nadu. The built up area for which approval was requested in SEIAA-TN was 1,63,667.41 sq.m</p> <p>From the perusal of the office records and project proposal submitted by the proponent, the following points were noted:</p> <ol style="list-style-type: none"> 1. It was found from the photographs furnished by the proponent, which showed that the construction activity was started without prior Environmental Clearance. Hence it was considered as violation of EIA Notification, 2006. 2. The proponent was requested to furnish the ‘Letter of Commitment and Expression of Apology’ vide SEIAA –TN letter dated: 06.02.2014. 3. As per the guidelines issued for dealing with the projects involving violation vide MoEF & CC OM dated: 12.12.2012 & 27.06.2013, the project proponent furnished ‘Letter of Commitment and Expression of Apology’ vide letter dated: 04.03.2014 and also resolved in the form of a formal resolution assuring that such violation will not be repeated. 4. The Proponent was informed vide SEIAA Letter No. SEIAA-

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TN/F.440/2010 dated 12.11.2014 that the project proposal is included in the list of cases involving violations of Environment (P) Act, 1986 and that the project stands delisted in the lists of proposals under process in SEIAA-TN.

5. As per the MoEF & CC Notification dated: 14.03.2017, stated that the cases of violation will be dealt strictly as per the procedures specified in the following manner

“In case the project or activities requiring prior EC under EIA Notification, 2006 from the concerned regulatory authority are brought for Environmental Clearance after starting the construction work or have undertaken expansion, modernization and change in product mix without prior EC, these projects shall be treated as cases of violations and in such cases, even Category B projects which are granted EC by the SEIAA shall be appraised for grant of EC only by the EAC and Environmental Clearance will be granted at Central level only”. Accordingly, the proponent was addressed to submit the proposal to MoEF & CC for EC under violation category vide SEIAA letter dated: 19.06.2017.

6. Then, the proponent has filed the application to MoEF & CC under violation on 03.05.2017. The application was filed for seeking ToR for the project name Hospital Building for Institute of Medical Science and Research Center. Built up area quoted was 1,24,667 sq.m which is the total area covering the following items:

- a. Karpaga Vinayaga Institute of Medical Science, Dental science, Engineering and Technology, Nursing – 47060.07 sq.m
- b. Karpaga Vinayaga Hospital – 22,512.16 sq.m
- c. Staff Quarters - 5415.07 sq.m
- d. Ladies Hostels(5 No.s) – 20020.18 sq.m
- e. Gents Hostels(3 No.s) – 19,167.32 sq.m
- f. Auditorium Building – 3363.61 sq.m
- g. Lecture Hall – 3562.94 sq.m
- h. Classroom Building – 3565.66 sq.m

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7. Accordingly, the MoEF & CC issued ToR vide F.No. 23-27/2018-IA - III dated: 01.04.2018 for the construction of Institute of Medical Science and Research Center for a total built up area of 1,24,667.41 sq.m and total plot area of 2,83,849.81 sq.m
8. Subsequently, MoEF&CC issued another notification S.O.1030 (E) dated 08.03.2018, stating that "the cases of violations projects or activities covered under category A of the Schedule to the EIA Notification, 2006, including expansion and modernization of existing projects or activities and change in product mix, shall be appraised for grant of Environmental Clearance by the EAC in the Ministry and the Environmental Clearance shall be granted at Central level, and for category B projects, the appraisal and approval thereof shall vest with the State or Union territory level Expert Appraisal Committees and State or Union territory Environment Impact Assessment Authorities in different States and Union territories, constituted under sub-section (3) of section 3 of the Environment (Protection) Act, 1986".
9. The proponent has applied for EC to SEIAA-TN on 26.06.2018.

The proposal was placed in the 116th SEAC meeting held on 09.07.2018. The proponent made a presentation about the project proposal. Some critical information related to the project:

1. The construction work has been fully completed and the utilities like STP, Gas manifold, fire fighting system & solar systems are in place.
2. The initial proposal for EC was for the Institute Of Medical Science & Research Centre. The MoEF & CC subsequently in the year 2014 exempted institutions from the purview of EIA and utilizing this option, the proponent has asked for the EC only for the hospital building. However, the ToR has been issued by the MoEF & CC for a built up area of 124667.41 sq.m which covers the entire Institute Of Medical Science & Research Centre. The present application for EC for the hospital building covers only an area of 22495.32 sq.m (built up area). Therefore logically the proponent should apply for EC for entire Institute Of Medical Science & Research Centre as

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stipulated in the ToR and the EIA report should be accordingly prepared and submitted.

The Committee noted that the project proposal is to be appraised under violation category as per MoEF & CC notification S.O. 1030 (E) dated: 08.03.2018. Since the project has been considered under violation category, the Committee decided that it is necessary to make an on the spot assessment of the status of the project execution for deciding the further course of action.

As per the order Lr. No. SEAC-TN/F.No.440/2014 dated: 10.07.2018 of the Member Secretary, SEAC, a Technical Team comprising of the following SEAC Members was constituted to inspect and study the field conditions in the project site for **Construction of Hospital Building for institution of Medical science & Research Centre by M/s. Karpaga Vinayaga Educational Trust at S.F.No. 42/4A, 43/4, 49/1, 49/2, 50/1, etc, Palayanoor & Chinnakolampakkam Village & 109/1A, 2A1, etc of Mossivakkam Village, Madhuranthagam Taluk, Kancheepuram District, Tamil Nadu on 13.07.2018** and submitted the report on 27.07.2018.

A summary of the review of the checklist and the actual field inspection is as follows:

- (i) The Technical Team learnt that the "violation" attributed to the project is that the construction activity was started before getting the Environmental Clearance.
- (ii) Regarding the name of the project for which EC is to be issued, the position is as follows:
 - a. Initially, application for ToR was in the name of Institute Of Medical Science & Research Centre
 - b. MoEF used the terminology Institute Of Medical Science And Research Centre in the ToR order.
 - c. The proponent submitted EIA report for EC in the name of Hospital Building to SEIAA.
 - d. SEAC directed the proponent to use the same name as in the ToR- Institute of Medical Science and Research Centre.

	<p>e. The EC has to be issued in the name of Institute of Medical Science and Research Centre.</p> <p>(iii) Approval from DTCP has been obtained for the same survey Nos. as quoted in the ToR and EIA report.</p> <p>(iv) Regarding land use, the land is under the category of unclassified land for certain survey Nos. (as classified in 2008). Even though construction of institution building is permissible in unclassified land, the proponent was directed to obtain land use conversion from unclassified land to institution use land.</p> <p>(v) Apart from the institutional buildings, the following utilities are part of the proposal:</p> <ul style="list-style-type: none">a. STPb. Rainwater harvesting systemc. Green Beltd. Biomedical waste management facilitye. Solar Energy Systemf. D.G Setsg. Fire fighting Systemh. R.O Planti. Laundry <p>(vi) Regarding the construction, all institutional buildings and utilities have been fully constructed and have become operational.</p> <p>(vii) Regarding green belt, an area of 62446.95 sq.m has been ear marked (22%) against the requirement of 42577.47 sq.m (15%). Totally 3550 nos. of trees of indigenous species should be planted as part of the green belt. At the site 3150 trees of indigenous species have been planted and the proponent has to plant an additional 400 trees of the indigenous species.</p> <p>(viii) Regarding storm water drainage and rainwater harvesting system – 20 rainwater recharge pits have already been built to trap roof water runoff. 3 open wells are there to which the runoff from open paved areas are</p>
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directed for collection and reuse. There are 6 more open wells which have been abandoned. The technical team directed the proponent to construct 15 more recharge pits and revive the use of the 6 open wells which are not in use now in order to increase the amount of rainwater harvested.

- (ix) In addition to the existing 300 KLD STP, another 300 KLD STP will be constructed. Work has already started. The proponent was directed to furnish the characteristic of sewage at the inlet and the outlet.
- (x) The proponent was directed to procure and install organic waste convertor for MSW management.
- (xi) The proponent was directed to construct an ETP for treatment of effluents from laboratory and operation theatres.
- (xii) The proponent was directed to provide stacks for the D.G. Sets to have appropriate height as per CPCB norms especially for larger capacity D.G. Sets (125 KVA, 140 KVA, 160 KVA, 180 KVA & 320 KVA).
- (xiii) The proponent was directed to furnish the following certificates:
 - a) Fire NOC
 - b) Ground water NOC
 - c) DTCP planning permit
 - d) Building stability certificate
 - e) Land use classification
 - f) Flood NOC
 - g) STP adequacy report from Govt. Institutions
 - h) Environmental Management cell
- (xiv) Water supply for the institution is from ground water (90 KLD) and private tankers (254 KLD) , totalling 344 KLD.
- (xv) The treated sewage (520 KLD) is used for toilet flushing (218 KLD), green belt development (280 KLD) & HVAC (22 KLD). There is no excess sewage requiring disposal.
- (xvi) The treated effluent of 8 KLD from 10 KLD ETP (Proposed) will be utilised for green belt development.
- (xvii) The proponent shall not use the laundry for discarded linen, mattresses,

beddings contaminated with blood fluid and soiled waste. They should be washed through the vendors authorized by competent authority. Materials other than the materials listed above can be washed and cleaned in the laundry attached to the hospital.

(xviii) The proponent is directed to treat the effluent generated from the laboratories, operation theatres and laundries separately and provide the dedicated ETP with separate RO system for the same. The RO permeate from the RO system shall be reused for laundry and RO reject shall be disposed through elevated solar evaporation pan with adequate size.

(xix) The proponent has furnished the following certificates/documents:

- a. Fire NOC
- b. Ground water NOC
- c. DTCP planning permit
- d. Environmental Management cell
- e. The characteristic of sewage at the inlet and the outlet.
- f. Ground water quality report.

The proponent was asked to furnish the particulars as discussed above and as per the check list already provided, to the Technical Team on 17.07.2018. Accordingly the proponent has submitted the revised check list with enclosures on 17.07.2018.

The proponent submitted the revised check list with enclosures on 17.07.2018. The annexure contains the extract of the revised checklist. The revised checklist contains old and supplementary data/information.

From the perusal of the original proposal of the proponent, initial checklist submitted by the proponent, site inspection of the construction site, revised checklist submitted by the proponent, the technical team makes the following observations:

1. The proponent has made a procedural violation in the sense that the proponent has started construction of the Residential project before getting the Environmental Clearance from the competent authority.
2. When the technical team assessed whether the proponent has actually

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followed in the past, the normal condition stipulated in the EC for all conditions, pre-construction & construction stages, the team is of the opinion that the proponent has not violated any conditions that are verifiable now. But there are certain conditions such as possible air pollution, noise pollution and soil pollution that could have been caused at the time of construction which cannot be verified now.

3. The technical team recommends the proposal to SEAC to favourably process proposal for recommendation to SEIAA for the grant of EC. However, it is to be pointed out that this proposal is not a "regular" project seeking EC but a special project to be covered under "violation category". There are guidelines set forth by MoEF & CC on how to proceed with such cases. The SEAC may decide further course of action in the light of the MoEF & CC notification for violation cases.

The proponent should complete the following activities/submit necessary documents:

- a) Regarding land use, the land is under the category of unclassified land for certain survey Nos. (as classified in 2008). Even though construction of institution building is permissible in unclassified land, the proponent was directed to obtain land use conversion from unclassified land to institution use land. This should be submitted before obtaining CTO from TNPCB.
- b) Regarding green belt, an area of 62446.95 sq.m has been earmarked (22%) against the requirement of 42577.47 sq.m (15%). Totally 3550 nos. of trees of indigenous species should be planted as part of the green belt. At the site 3150 trees of indigenous species have been planted and the proponent has to plant an additional 400 trees of the indigenous species. This should be completed and the evidence produced before the issue of EC.
- c) Regarding storm water drainage and rainwater harvesting system – 20 rainwater recharge pits have already been built to trap roof water runoff. 3 open wells are there to which the runoff from open paved areas are directed for collection and reuse. There are

6 more open wells which have been abandoned. The technical team directed the proponent to construct 15 more recharge pits and revive the use of the 6 open wells which are not in use now in order to increase the amount of rainwater harvested. This should be completed before obtaining the CTO from TNPCB.

- d) In addition to the existing 300 KLD STP, another 300 KLD STP will be constructed. Work has already started. STP work should be completed before obtaining CTO from TNPCB.
- e) The proponent was directed to procure and install organic waste convertor for MSW management before issue of EC.
- f) The proponent was directed to construct an ETP for treatment of effluents from laboratory and operation theatres. This should be completed before obtaining CTO from TNPCB.
- g) The proponent was directed to provide stacks for the D.G. Sets with appropriate stack height as per CPCB norms especially for larger capacity D.G. Sets (125 KVA, 140 KVA, 160 KVA, 180 KVA & 320 KVA). This should be completed before obtaining CTO from TNPCB.
- h) Regarding CER, the proponent was directed to provide the details.

The inspection report was placed before the 117th SEAC meeting held on 27.07.2018. The SEAC as per the MoEF & CC notification assessed the project based on Ecological damage, remediation plan and natural & community resource augmentation plan furnished as an independent chapter in the Environment Impact assessment report by the proponent. The extract from the report is as follows:

- a. Ecological remediation plan and cost as proposed by the proponent :
Air Environment, Water Environment, Land Environment, Noise Environment. Amount to be spent, Rs 16.1 lakhs (Details in the EIA report)
- b. Natural resource augmentation plan and cost as proposed by the

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proponent:

Beautification, Maintenance and Protect the Nallah flowing on the eastern side of the project site. Amount to be spent, Rs 5 lakhs (Details in the EIA report)

c. Community resource augmentation plan and cost as proposed by the proponent:

Medical camp for villages near by the project site. Amount to be spent Rs 7 lakhs (Details in the EIA report).

Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:

1. Low level Ecological damage:

a. Only procedural violations (started the construction at site without obtaining EC)

2. Medium level Ecological damage:

a. Procedural violations (started the construction at site without obtaining EC)

b. Infrastructural violation such as deviation from CMDA/local body approval.

c. Non operation of the project (not occupied).

3. High level Ecological damage:

a. Procedural violations (started the construction at site without obtaining EC)

b. Infrastructural violation such as deviation from CMDA/local body approval.

c. Under Operation (occupied).

As per the OM of MoEF & CC dated: 01.05.2018, the SEAC deliberated the fund allocation for Corporate Environment Responsibility which shall be to a maximum of 2% of the project cost.

In view of the above and based on the inspection report & the Ecological damage, remediation plan and natural & community resource augmentation plan furnished by the proponent, the SEAC decided the fund allocation for Ecological

remediation, natural resource augmentation & community resource augmentation and penalty by following the below mentioned criteria.

Level of damages	Ecological remediation cost (% of project cost)	natural resource augmentation cost (% of project cost)	community resource augmentation cost (% of project cost)	CER (% of project cost)	Total (% of project cost)
Low level Ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level Ecological damage	0.35	0.15	0.25	0.5	1.25
High level Ecological damage	0.50	0.20	0.30	1.00	2.00

The Committee observes that the project of M/s. Karpaga Vinayaga Educational Trust initially applied to SEIAA-TN on 27.01.2011 for Environment Clearance for the construction of Institute Of Medical Science & Research Centre at S.F.Nos. 42/4A, 43/4, 49/1, 2, 3, 4,50/1, 3& 51/4B, 53/2 of Palayanoor Village & Survey Nos. 108/1, 109/1A, 1B, 2A1, 2A2, 2A3, 3A1, 3A2, 3A3 & 4, 110/1, 2, 3, 4 & 5, 111/1A1, 1A2, 1B, 1C, 1D1, 1D2, 1E, 1F, 2A & 2B, 112/1, 2, 3, 4, & 5, 113, 114/1, 2, 3, 4, 5, 6, & 7, 115, 116/1, 2A, 2B, 119/1A1, 1F, 1G2, 2A, 127/1, 2, 3, 4, 5, 6, 128/1, 2, 3, 129/1,2, 130/1A, 1B1, 1B2, 1C, 131/5, 6, 7A & 7B of Moosivakkam Village, Madhuranthagam Taluk, Kancheepuram District, Tamil Nadu, comes under the "High level Ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of post construction EC subject to the following conditions in addition to the normal conditions:

1. The amount prescribed for Ecological remediation(Rs. 43.92 lakhs), natural resource augmentation(Rs. 17.57 lakhs) & community resource augmentation (Rs. 26.35 lakhs), totalling Rs. 87.84 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before

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obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAA-TN. The funds should be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCB without further notice.
3. The amount specified as CER (Rs. 87.84 Lakhs) shall be remitted in the form of DD to the beneficiary before issue of EC for the following activities. A copy of receipt from the beneficiary shall be submitted before issue of EC.

Sl.No	Activities	Name and address of the beneficiary	Amount & DD favouring	Purpose
1.	Forest Conservation	Executive Director, Anamalai Tiger Conservation Foundation, 365/1 Meenkarai road, Pollachi	Rs.87.84 Lakhs, DD favouring: "Executive Director, Anamalai Tiger Conservation Foundation, Tamil Nadu Trust, Pollachi"	Development of Infrastructure facilities for ecotourism in ATR(Rs.42.84 lakhs), Development of Interpretation centre in ATR (Rs.20 lakhs), Purchase of Van for Ecotourism (Rs.20 lakhs), Conduct of Eco awareness and Education programme (Rs.5lakhs),


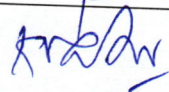
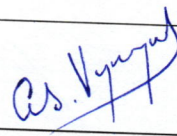
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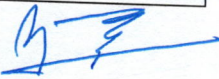
5. Regarding storm water drainage and rainwater harvesting system – 20

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rainwater recharge pits have already been built to trap roof water runoff. 3 open wells are there to which the runoff from open paved areas are directed for collection and reuse. There are 6 more open wells which have been abandoned. The technical team directed the proponent to construct 15 more recharge pits and revive the use of the 6 open wells which are not in use now in order to increase the amount of rainwater harvested. This should be completed before obtaining the CTO from TNPCB.

6. In addition to the existing 300 KLD STP, another 300 KLD STP will be constructed. Work has already been started. STP work should be completed before obtaining CTO from TNPCB.
7. The proponent is directed to procure and install organic waste convertor for MSW management before issue of EC.
8. The proponent is directed to construct an ETP for treatment of effluents from laboratory and operation theatres. This should be completed before obtaining CTO from TNPCB.
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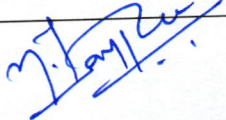
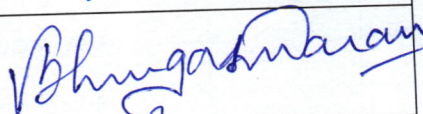
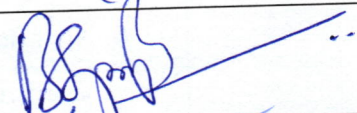
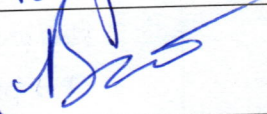
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.K.Valivittan	Member	
3	Dr.Indumathi M. Nambi	Member	
4	Dr. G. S. Vijayalakshmi	Member	



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5	Dr. M. Jayaprakash	Member	
6	Shri V. Shanmugasundaram	Member	
7	Shri B. Sugirtharaj Koilpillai	Member	
8	Shri. P. Balamadeswaran	Co-opt Member	
9	Shri. M.S. Jayaram	Co-opt Member	