

Minutes of the 117th SEAC Meeting held on 27th July 2018

<p>117- F. 1104/2013</p>	<p>Construction of Medical College Campus by M/s. Adhiparasakthi Charitable Medical, Educational and Cultural Trust at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuarm District, Tamil Nadu – Activity 8(a) & Category “B2”- Building & Construction Projects – Environmental Clearance (EC) to be issued under violation notification dated: 08.03.2018 of MoEF & CC – Regarding.</p>
	<p>The Project Proponent M/s. Adhiparasakthi Charitable Medical, Educational and Cultural Trust has applied for Environment Clearance for the proposed construction of Medical College Campus with a total built up area of 1,33,097 Sq.m at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuarm District, Tamil Nadu on 24.04.2013.</p> <p>The developments that followed are listed below:</p> <ol style="list-style-type: none"> 1. While scrutinizing, it was found from the photographs furnished by the proponent, which shows that the construction activity was started without prior Environmental Clearance. Hence it was considered as violation of EIA Notification, 2006. 2. 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 20.01.2014 and also resolved in the form of a formal resolution assuring that such violation will not be repeated. 3. The same was sent to the State Government vide SEIAA Letter No. SEIAA-TN/F.1104/2013 dated 27.01.2014 for initiating credible action on the said violation by invoking powers under Section 19 of the Environment (Protection) Act, 1986.

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4. The State Government forwarded the same to the Tamil Nadu Pollution Control Board (TNPCB) for initiating legal action on the violation under the EIA Notification, 2006 in the project.
5. TNPCB vide their letter dated: 30.06.2014 has informed SEIAA that a complaint was filed against the proponent for the violation of EIA Notification, 2006 before the Chief Judicial Magistrate Court, Chengalpattu.
6. The Proponent was informed vide SEIAA Letter No. SEIAA-TN/F.1104/2013 dated 25.11.2014 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.
7. As per the MoEF & CC Notification dated: 14.03.2017, 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

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under violation category vide SEIAA letter dated: 19.06.2017.

8. The proponent has filed the application to MoEF & CC under violation on 01.08.2017.
9. 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".
10. The application was transferred from MoEF & CC to SEIAA-TN.
11. The proponent resubmitted the hard copy of the proposal to SEIAA-TN on 31.03.2018 for the consideration of ToR under violation notification.

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 felt 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. 1104/2013 dated: 04.05.2018 of the Chairman, SEAC, a technical team comprising of the SEAC Members was constituted to inspect and study the field conditions in the project site for the Medical College

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Campus by M/s. Adi Parasakthi Charitable, Medical, Educational & Cultural Trust with a total built up area of 1,33,097 Sq.m at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuram District on 10.05.2018 and submitted the report on 15.05.2018. The technical team inspected the project site on 10.05.2018 and submitted the report to SEAC on 15.05.2018.

The report of the technical team was placed before the 111th SEAC Meeting held on 15.05.2018.

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

1. The Technical Team learnt that the "violation" attributed to the project is that the construction activity was started before getting the Environmental Clearance.
2. The stage of construction is that the construction work is already completed in all aspects for the 14 components of the project. Except Hospital other components like Educational institutions have become operational. Since main component for which EC is requested namely the Hospital has not come into operation, the project is designated to be "not under operation". The ETP has been constructed but yet to be operated.
3. The proponent has informed that the sewage generated of 692 KLD from the medical campus will be treated along with the other sewage streams which will come from the other institutions of the Trust through the common STP provided for the capacity of 3MLD and the same was under operation. After treatment, 305 KLD will be used for flushing, 303 KLD will be used for Green belt development and 50 KLD will be used for HVAC.
4. The proponent is disposing the bio-degradable Solid Waste by a Vermi-composting technology. The team observed that the existing practice is not adequate and directed the proponent to install the adequate OWC for the bio-degradable Solid Wastes generated from the medical campus.

5. The Technical Team directed the proponent to furnish a certificate from revenue authority to the effect that there is no encroachment on water bodies and the proposed site is not prone to flooding during rains.
6. The proponent has informed that the fresh water supply will be arranged from the Kesavarayanpettai village panchayat and the team directed the proponent to provide the necessary permission for the supply of fresh water from the competent authority.
7. For Green belt, the team observed that the proponent has developed the green belt with coconut, neem and Pungam trees. They have planted 1202 trees of different species. The proponent is directed to plant following trees to ensure the total green belt area is not less than 51952.5 sq.m.
 - i. Legerstromea speciosa
 - ii. Calophyllum inophyllum
 - iii. Mimsops elangi
 - iv. Thespesia populnea
 - v. Azadirachta indica
 - vi. Pongamia pinnata
 - vii. Syzygium cumini
 - viii. Terminalia Arjuna
 - ix. Terminalia Bellerica
 - x. Alstonia Scholaris
 - xi. Ficus glomerata
 - xii. Ficus Religiosa

As per norms, 4329 trees should have been planted. That means there is a deficit of 3127 trees yet to be planted. Out of 1202 planted already, around 400 trees should be replaced with approved species. That means, totally $3127 + 400 = 3527$ trees should be planted immediately.

8. The Technical Team asked proponent to ensure that there is smooth movement of vehicles from the project area to surrounding area and

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vice versa.

9. The Odour and noise from the STP should be properly controlled. Intense green belt development should be ensured around STP as there are residential areas close to the project site.

10. 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 ETP treated effluent should be reused back in the hospital for laundry purposes.

11. The proponent was asked to furnish the storm water management plan which includes mode of discharge of excess storm water. For rain water harvesting, 30 recharge pits have been constructed and a open channel has been provided along the boundary for carrying excess storm runoff.

However, no storage sump has been provided for roof run off. The proponent is directed to provide storage sumps of capacity 525 cu.m.

12. For CER activities the proponent was asked to furnish the details of the CER utilisation fund (Rs. 123.5 lakhs) for the local community in terms of permanent structures for the Government schools and others.

13. The following certificates have been obtained:

- i. Fire NOC
- ii. NOC from traffic department.

14. The proponent was directed to furnish the following:

- i. Evidence for water supply and sanitation for workers
- ii. Drinking water provisions
- iii. Flood related certificate

- i. Land use classification
- ii. Site plan showing all utilities
- iii. Environmental Management Cell
- iv. Structural stability certificate from the reputed institution such as Anna University & IIT.

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- v. Design adequacy report for common STP
- vi. Workers Health records
- vii. DTCP approval for the plan layout
- viii. Layout earmarking the green belt area
- ix. Layout of Rain water harvesting system as per CGWB norms.
- x. Record of bio-medical waste disposal & Hazardous waste

The proponent was asked to furnish the particulars as discussed above and as per the check list already provided, to the Technical Team on or before 15.05.2018. Accordingly the proponent has submitted the check list with enclosures on 15.05.2018.

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 observation:

A. The Technical Team learnt that the "violation" attributed to the project is that the construction activity was started before getting the Environmental Clearance.

B. The Technical Team made certain recommendations to improve the ecological and Environmental compliance and these recommendations have been accepted by the proponent.

C. In view of facts presented in summary of review and the revised check list presented by the proponent, the Technical Team recommends the project proposal for Medical College Campus by M/s. Adi Parasakthi Charitable, Medical, Educational & Cultural Trust with a total built up area of 1,33,097 Sq.m at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuram District, Tamil Nadu, to SEAC for consideration for issue of ToR subject to the following conditions:

1) The proponent should furnish the following certificates along with the EIA report:

- i. Structural stability certificate from the reputed institution such as Anna University & IIT Madras.
- ii. Revised layout earmarking the green belt area

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- iii. Design adequacy report for common STP
- iv. Layout of Rain water harvesting system as per CPWD norms.
- v. Record of bio-medical waste disposal & Hazardous waste Disposal

2. The proponent shall furnish the proposal for adequate OWC for the bio-degradable Solid Waste generated from the campus and the same shall be installed before getting CTO from the TNPCB.
3. The proponent shall furnish certificate from revenue authority to the effect that there is no encroachment on water bodies and the proposed site is not prone to flooding during rains along with the EIA report.
4. The proponent should 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 ETP treated effluent should be reused back in the hospital for laundry purposes after ensuring no pathogens present in the treated effluent (RO Permeate). RO reject shall be disposed into elevated solar evaporation pan with adequate size.
5. The proponent should furnish the storm water management plan which includes mode of discharge of excess storm water. For rain water harvesting, 30 recharge pits have been constructed and a open channel has been provided along the boundary for carrying excess storm runoff.
However, no storage sump has been provided for roof run off.
The proponent is directed to provide storage sumps of capacity 525 cu.m.
6. For CER activities the proponent should furnish the details of the CER utilisation fund (Rs. 123.5 lakhs) for the local community in terms of permanent structures for the Government schools and others.
7. The proponent should plant following trees to ensure the total green belt area is not less than 51952.5 sq.m.
 - i. Legerstromea speciosa
 - ii. Calophyllum inophyllum
 - iii. Mimsops elangi

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- iv. *Thespesia populnea*
- v. *Azadirachta indica*
- vi. *Pongamia pinnata*
- vii. *Syzygium cumini*
- viii. *Terminalia Arjuna*
- ix. *Terminalia Bellerica*
- x. *Alstonia Scholaris*
- xi. *Ficus glomerata*
- xii. *Ficus Religiosa*

As per norms, 4329 trees should have been planted. That means there is a deficit of 3127 trees yet to be planted. Out of 1202 planted already, around 400 trees should be replaced with approved species. That means, totally $3127 + 400 = 3527$ trees should be planted immediately.

The SEAC accepted the recommendations of the technical team and decided to recommend the proposal to SEIAA for considering issue of ToR in 3 parts as annexed for conducting the EIA study for the project of Construction of Medical College Campus by M/s. Adhiparasakthi Charitable Medical, Educational and Cultural Trust at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuarm District, Tamil Nadu. The SEAC recommendation along with the proposal for ToR was placed in the 301th SEIAA meeting held on 17.05.2018. The Authority issued the terms of reference on 17.05.2018.

Based on the ToR, the proponent submitted the EIA report to SEIAA-TN on 07.07.2018. The EIA report was placed in the 117th SEAC meeting held on 27.07.2018. The proponent made the presentation about the project proposal. Among other things, the SEAC noted that 7 activities that the proponent should have completed as per the time schedule prescribed there in, has completed.

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:

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- a. Ecological remediation plan and cost as proposed by the proponent :
Loss of Top soil, Loss of vegetation and habitation, Change in course of natural drainage ,Loss of area for ground water recharge, Particulate matter emission and pollution caused by vehicles and Noise emission from the equipment/machinery. Amount already spent Rs. 187.89 lakhs and amount to be spent, Rs. 4.52 lakhs (Details in the EIA report)
- b. Natural resource augmentation plan and cost as proposed by the proponent:
Soil conservation, Water conservation, Energy Conservation, Prevention and control of Emission, Recycling of Waste, Use of fly ash and Safety/ security of human resources. Amount already spent Rs. 522.4 lakhs and amount to be spent, Rs. 54.7 lakhs (Details in the EIA report)
- c. Community resource augmentation plan and cost as proposed by the proponent:
Supplying dualdesk furnitures for the govt. High school in the surrounding village (25 numbers) - Amount to be spent Rs. 2 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)

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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. Adhiparasakthi Charitable Medical, Educational and Cultural Trust** has applied for Environment Clearance for the proposed construction of Medical College Campus with a total built up area of 1,33,097 Sq.m at Old S.F.No. 68/1, New S.F.No. 68/1, 68/3, 68/4, 68/5, 68/6, 68/7, 68/8, 68/9, 68/10 & 68/11 of Kesavarayanpettai Village, Cheyyur Taluk, Kancheepuarm District, Tamil Nadu, comes under the "**Low 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

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conditions:

1. The amount prescribed for Ecological remediation (Rs. 61.95 lakhs), natural resource augmentation (Rs. 24.78 lakhs) & community resource augmentation (Rs. 37.17 lakhs), totalling Rs. 123.9 lakhs shall be remitted in the form of bank guarantee to Tamil Nadu Pollution Control board, before 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 to be allocated by the proponent as per norms for CER is Rs. 61.95 Lakhs. The proponent has given a list of CER activities already completed by him. From the perusal of the list it is noted that the expenditure on Construction of public toilets in Kesavarayanpettai Village for Rs. 31 lakhs may be counted for CER. Then the net amount to be allocated for CER will be Rs. 30.95 lakhs, which 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.	Education	Headmistress, Panchayat Union Elementary School, Kalavakkam Village, Kancheepuram district, 603110	Rs.18 Lakhs, DD favouring: "School Development Committee PUPS, Kalavakkam "	Construction of Classroom, Toilets, Compound wall and Borewell
2.	Education	Headmistress, Panchayat Union Middle School, Thiruvaidanthai Village, Kancheepuram district, 603112	Rs.12.95 Lakhs, DD favouring: "School Development Committee PUPS, Thiruvaidanthai"	Construction of Classroom, Toilets and Borewell.

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4. Certificate for structural safety from Stability certificate should be obtained from reputed institutions like Anna University, IIT, NIT, Central Universities, Government Engineering colleges, PWD & Structural Engineering Research Centre of Government of India before obtaining CTO from TNPCB.
5. Adequacy certificate for common STP should be obtained from reputed institutions like Anna University, IIT, NIT, Central Universities, Government Engineering colleges, PWD & Structural Engineering Research Centre of Government of India before obtaining CTO from TNPCB.
6. The proponent should provide OWC before obtaining CTO from TNPCB and maintain the same.
7. The proponent should 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 ETP treated effluent should be reused back in the hospital for laundry purposes after ensuring no pathogens present in the treated effluent (RO Permeate). RO reject shall be disposed into elevated solar evaporation pan with adequate size before obtaining CTO from TNPCB.

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	
5	Dr. M. Jayaprakash	Member	

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6	Shri V. Sivasubramanian	Member	
7	Shri V. Shanmugasundaram	Member	<i>Bhugasundaram</i>
8	Shri B. Sugirtharaj Koilpillai	Member	<i>B. Sugirtharaj</i>
9	Shri. P. Balamadeswaran	Co-opt Member	<i>B. Balamadeswaran</i>
10	Shri. M.S. Jayaram	Co-opt Member	<i>M.S. Jayaram</i>