

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

<p>117 - <u>F. 505</u> 2013</p>	<p>Proposal seeking Environmental Clearance for the Institutional Campus project "Saveetha University" by M/s. Saveetha Medical and Educational Trust at S.F No. 78/3, 79, 80, 81, 82/1, 2, 83/1A, 2, 84, 85/2, 86/4B, 299 of Mevalurkuppam Village and S. Nos. 300, 301, 302, 303/1 to 303/6, 8 to 303/10, 304/12, 305/3B, 4, 306, 308 of Chettipedu village, Sriperumbudur Taluk, Kancheepuram District – Activity 8(b) & Category "B"- Area development Projects - Environmental Clearance (EC) under violation notification dated: 08.03.2018 of MoEF & CC – Regarding.</p>
	<p>The project proponent, M/s. Saveetha Medical and Educational Trust has submitted application on 24.07.2014 for the Institutional Campus project "Saveetha University" at S.F No. 78/3, 79, 80, 81, 82/1, 2, 83/1A, 2, 84, 85/2, 86/4B, 299 of Mevalurkuppam Village and S.F 300, 301, 302, 303/1 to 303/6, 8 to 303/10, 304/12, 305/3B, 4, 306, 308 of Chettipedu village, Sriperumbudur Taluk, Kancheepuram District.</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. The proponent was requested to furnish the 'Letter of Commitment and Expression of Apology' and the proponent submitted the same. 3. The Proponent was informed 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, vide SEIAA-TN Ir. Dated 19.11.2014. 4. 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 <p align="center">"In case the project or activities requiring prior EC under EIA Notification, 2006 from the concerned regulatory authority are</p>

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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.

5. Then, the proponent has filed the application to MoEF & CC under violation on 01.09.2017.
6. 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".
7. The application was transferred from MoEF & CC to SEIAA-TN on 28.03.2018.

The proposal was placed in the 111th SEAC meeting held on 16.05.2018. The proponent made a presentation about the project proposal.

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

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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.505/2018 dated: 17.05.2018 of the Chairman, SEAC, a Technical Team comprising of the SEAC Members was constituted to inspect and study the field conditions. The technical team inspected the project site on 25.05.2018 and submitted the report to SEAC on 04.06.2018.

The report of the technical team was placed before the 113th SEAC Meeting held on 04.06.2018.

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 components under the project submitted for environmental clearance are as follows:

i. Building blocks

- a) Engineering College (2 Nos)
- b) Medical College
- c) Hospital
- d) School of physical Education
- e) Nursing College
- f) Architecture College
- g) Hostel Blocks (7 Nos)
- h) Physiotherapy College
- i) Quarters (3 Nos)

Utilities:

- ii. STP
- iii. DG Sets
- iv. Solid Waste Yards (Vermi Composting)

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- v. Surface parking
- vi. substation
- vii. Bio Medical Waste management facility

The total built up area is 304973 sq.m over a land area of 484449 sq.m. The built up area excluding the Engineering college campus is – 64083 sq.m and the land area excluding the Engineering college campus is – 40954 sq.m. The project cost including the Engineering colleges is – Rs.384.75 Crores and the project cost excluding the Engineering colleges is – Rs. 172.72 Crores.

3.The Medical College and hospital, Engineering Colleges and other institutions have all been constructed and become operational.

4.The components of the project have been approved both by DTCP and CMDA as per their Jurisdiction

5.According to the proponent, there is no change in the land area, built-up area and cost of the project. There is no change in the project components, land area utilization for different purposes, parking area, occupancy load, water supply and sewage generation.

6.During the discussion, it was pointed out only 44,105.90 Sq.m (9.09 %) have been earmarked for OSR (the CMDA & DTCP have approved).

7.The proponent should furnish quality of water of the ground water at the site.

8.For Green belt, 72667 Sq.m area should have been allotted. The proponent has allotted 77039 Sq.m for green belt. Totally 6056 Nos of trees should have been planted and the proponent has planted 6478 trees. Out of 6478, 2478 trees are not in the approved list. Hence, a net number of 2100 tree species should be planted as per the following list

- i) Mimosa elengi
- ii) Madhuca longifolia
- iii) Ficus religiosa
- iv) Ficus glomerata

v) Calophyllum inophyllum

vi) Thespesia populnea

vii) Pongamia pinnata

The dimensions & DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt (15.9% - 15%+0.9% remaining OSR area) shall be provided.

9. The proponent was asked to furnish outlet characteristics for the STP.

10. The Proponent was asked to furnish revised water balance diagram based on revised scheme of utilization for the excess treated sewage.

11. Regarding CER, an amount of RS. 192.375 lakhs should spend (0.5% of project cost of Rs. 384.75 Crores).

12. The Proponent was directed to ensure proper operation and maintenance for STP.

13. D.G sets should have adequate height for the stacks as per CPCB norms.

14. The Proponent should furnish an agreement for Bio Medical Waste management with Authorized disposal facilities.

15. 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.

16. 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.

17. The Vermi-Composting plant should be made operational as per established scientific principles.

18. For Rain water harvesting 6 sumps of 2 Lakhs litre total capacity constructed. In addition 6 recharge pits have been constructed and

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additional 50 pits are to be constructed.

19. The proponent was asked to furnish the updated information with respect to the following checklist provisions:

- i. Site plan showing all details
- ii. Fire NOC/ License
- iii. Flood NOC
- iv. ground water quality
- v. Photographs showing safety aspects
- vi. STP treated sewage quality
- vii. CER proposals
- viii. Bio-medical waste management agreement
- ix. Revised water balance
- x. Environmental Management Cell
- xi. Certificate for structural safety from Anna University
- xii. Revised green belt plan
- xiii. Revised rain water harvesting system

The proponent was asked to furnish the particulars as discussed above and as per the check list already provided, to the Technical Team on 04.06.2018. Accordingly the proponent has submitted the revised check list with enclosures on 04.06.2018.

The proponent submitted the revised check list with enclosures on 04.06.2018. 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 observation:

1. The proponent has made a procedural violation in the sense that the proponent has started construction of the Institutional Campus project "Saveetha University" before getting the Environmental Clearance from the competent authority.

2. When the technical team assessed whether the proponent has actually 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 issue of ToR. 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.
4. 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.
5. 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.
6. The proponent should complete the following activities before submitting the EIA report.
 - (i) Construction of Rain water recharge pits – 50 nos
 - (ii) D.G sets stacks should be increased as per CPCB norms.
 - (iii) Proper STP operation and maintenance.

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- (iv) Vermi composting plant revamping
- (v) Green belt augmentation by planting 2100 more trees.
- (vi) Structural stability certificate
- (vii) STP adequacy certificate should be submitted along with the EIA report.
- (viii) Bio Medical Waste management Plan.

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 Institutional Campus project "Saveetha University" at S.F No. 78/3, 79, 80, 81, 82/1, 2, 83/1A, 2, 84, 85/2, 86/4B, 299 of Mevalurkuppam Village and S.F 300, 301, 302, 303/1 to 303/6, 8 to 303/10, 304/12, 305/3B, 4, 306, 308 of Chettipedu village, Sriperumbudur Taluk, Kancheepuram District.

Based on the ToR, the proponent submitted the EIA report to SEIAA-TN on 13.07.2018. The EIA report was placed in the 117th SEAC Meeting held on 27.07.2018. The proponent made a presentation about the project proposal.

Among other things, the SEAC noted that 6 activities that the proponent should have completed as per the time schedule prescribed there in, have been 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:

- a. Ecological remediation plan and cost as proposed by the proponent :
Loss of Top soil, Loss of vegetation and habitat, Change in course of natural Climate, 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. 179.9 lakhs

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	<p>and amount to be spent, Rs 11.8 lakhs (Details in the EIA report)</p> <p>b. Natural resource augmentation plan and cost as proposed by the proponent:</p> <p>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 73.7 lakhs and amount to be spent, Rs2.78 lakhs (Details in the EIA report)</p> <p>c. Community resource augmentation plan and cost as proposed by the proponent:</p> <p>Construction of rural public health centre G+1 in Mappedu Village, Thiruvallur district -Amount to be spent Rs 115 lakhs (Details in the EIA report).</p> <p>Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:</p> <ol style="list-style-type: none">1. Low level Ecological damage:<ol style="list-style-type: none">a. Only procedural violations (started the construction at site without obtaining EC)2. Medium level Ecological damage:<ol style="list-style-type: none">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:<ol style="list-style-type: none">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). <p>As per the OM of MoEF & CC dated: 01.05.2018, the SEAC deliberated the</p>
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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. Saveetha Medical and Educational Trust at S.F No. 78/3, 79, 80, 81, 82/1, 2, 83/1A, 2, 84, 85/2, 86/4B, 299 of Mevalurkuppam Village and S. Nos. 300, 301, 302, 303/1 to 303/6, 8 to 303/10, 304/12, 305/3B, 4, 306, 308 of Chettipedu village, Sriperumbudur Taluk, Kancheepuram District, 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. 86.36 lakhs), natural resource augmentation(Rs. 34.55 lakhs) & community resource augmentation (Rs. 51.8 lakhs), totalling Rs. 172.72 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.


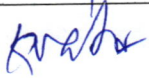
2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCCB without further notice.
3. The amount specified as CER (Rs. 172.72 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 infrastructural facilities created in the nearby villages for Rs. 50 lakhs may be counted for CER. Then the net amount to be allocated for CER will be Rs. 122.72 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
a.	Education	The Headmistress, Panchayat Union Primary School, Mudur, Arakonam – 631 003	Rs. 15 Lakhs, DD favouring “Parent Teachers Association PUP School, Mudur”	Infrastructure facilities like toilets for staffs and students, renovation of classroom, etc
b.	Education	The Headmaster, Government Pindikur Cunniah Chetty Higher Secondary School, Sholavaram, Chennai-67	Rs. 20 Lakhs, DD favouring “The Headmaster, Government Pindikur Cunniah Chetty	Infrastructure facilities like toilet block, sports materials, furniture and renovation

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				Higher Secondary School, Sholavaram"	of classrooms including computer rooms.
c.	Restoration of Lake	The District Collector, Kancheepuram District		Rs. 30 Lakhs, DD favouring "The District Collector, Kancheepuram District"	For restoration of Putheri Lake to augment the carrying capacity through de-silting and deepening
d.	Forest Protection	District Forest Officer, Gudalur Division, Gudalur P.O, The Nilgiris		Rs. 57.72 Lakhs, DD favouring "District Forest Officer, Gudalur Forest Division"	To mitigate man - animal conflict through anti-depredation activity.
<p>4. 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.</p> <p>5. 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.</p> <p>6. The project proponent should ensure proper STP operation and maintenance.</p>					
S.No	Name	Designation	Signature		
1	Dr. K. Thanasekaran	Member			
2	Dr.K.Valivittan	Member			

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3	Dr.Indumathi M. Nambi	Member	
4	Dr. G. S. Vijayalakshmi	Member	<i>Dr. Vijayalakshmi</i>
5	Dr. M. Jayaprakash	Member	<i>Dr. Jayaprakash</i>
6	Shri V. Shanmugasundaram	Member	<i>Shri V. Shanmugasundaram</i>
7	Shri B. Sugirtharaj Koilpillai	Member	<i>Shri B. Sugirtharaj Koilpillai</i>
8	Shri. P. Balamadeswaran	Co-opt Member	<i>Shri. P. Balamadeswaran</i>
9	Shri. M.S. Jayaram	Co-opt Member	<i>Shri. M.S. Jayaram</i>

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