



GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF SCIENCE, TECHNOLOGY AND ENVIRONMENT
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
III FLOOR, PHB BUILDING, ANNA NAGAR, PUDUCHERRY – 605 005.
Ph: (0413) 2201256 Fax: (0413) 2203494.
Email: pondyseiaa@rediffmail.com

Director (DSTE) /
Member Secretary (SEIAA)

No. 3840/DSTE/SEIAA/EC/MKVMC&H/SO/2015/738 dated **4 MAR 2015**

✓To
The Chairman and Managing Director
Sri Manakula Vinayaga Educational Trust
No.23, Mariamman Koil Street
Madagadipet
Puducherry – 605 107.

Sir,

Sub: DSTE/SEIAA, U.T of Puducherry – Construction of additional institutional buildings of Sri Manakula Vinayaga Educational Trust in their existing Medical Campus at Kalitheerthalkuppam Revenue Village, Mannadipet Commune, Puducherry – Environmental Clearance – Issued – Reg.

Ref: (i) Your Application for Environmental Clearance dated 12.09.2012.
(ii) Minutes of the 16th SEAC Meeting held on 03.11.2014 and 04.11.2014.
(iii) Minutes of the 13th SEIAA Meeting held on 15.12.2014.

* * *

This has reference to your application cited (i) above submitted to the State level Environment Impact Assessment Authority (SEIAA), Government of Puducherry seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006 and its subsequent amendments. The proposal has been appraised by the State Level Expert Appraisal Committee (SEAC) in its various meetings including the 16th meeting held on 03.11.2014 and 04.11.2014 and site inspection made on 31.01.2013 as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-I, Form-IA, Conceptual Plans and the additional clarifications furnished by the proponent.

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It is noted that the project proposal involves additional constructions to the existing buildings of Sri Manakula Vinayagar Educational Trust in the premises of Sri Manakula Vinayagar Medical College and Hospital and other educational institutions at Survey No. R.S. Nos. 154,155,156,157,158,159,160 and 161, Kalitheerthalkuppam Village, Mannadipet Commune Panchayat, Puducherry furnished by the proponent as per the application dated 12.09.2012 vide reference cited (i) above. The area of the plot is 41 acres and the total built up area as reported is 1,65,185.72 Sq. M comprising of the following:

Sl. No.	Buildings	Total area (Sq.M.)
	Existing Buildings	
1	Hospital	37,137.56
2	Medical College	21,258.62
3	Boys Hostel-I & II	7,515.10
4	Girls Hostel-I & II	7,490.50
5	Professor Quarters	1,118.29
6	Associate Professor Quarters	2,039.80
7	Assistant Professor Quarters	6,066.60
8	Junior Resident Quarters	4,696.00
9	Nursing Quarters	4,696.00
10	Class III Quarters	680.56
11	Animal House	160.20
12	Incinerator	26.23
13	Mortuary & Gas plant	509.35
14	Laundry	675.80
15	Commercial Complex	830.00
16	Director Quarters	507.75
17	Sewage Treatment Plant - I	230.00
18	Manakula Vinayagar Institute of Technology	14,240.00
19	Nursing College	2,603.98
20	Polytechnic College	6,497.63
21	Auditorium	1,450.00
	Total area(A) in Sq.M	1,20,429.97
	Proposed Buildings	
1	New Sewage Treatment Plant	1,024.24
2	Polytechnic College – Workshop	1,290.00
3	B.Ed College	2,660.24
4	Manakula Vinayaga Institute of Technology	4,500.00
5	Class III Quarters	428.00
6	PG Hostel	15,356.00
7	Indoor games proposed	5,000.00
8	Hospital Additional Floor proposed	6,596.80
9	Lecture Hall 300 student capacity 4 nos proposed	3,717.47
10	Lecture Hall 700 student capacity 1 no	4,183.00
	Total area (B) in Sq.M	44,755.75
	Total Built up area (A+B) in Sq. M	1,65,185.72

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Water requirement of the project is 925 KLD which will be met from the existing one bore well and treated waste water from STP for non contact uses like toilet flushing, gardening etc. It has been proposed to provide Sewage Treatment Plant of capacity 1000 KLD for collection and treatment of sewage. The treated sewage will be used for gardening irrigation, vehicle washing, landscaping and other possible purposes. Biomedical waste generation has been projected as 150 kgs. The power requirement for the project is 12000 KVA with backup power of 1 no. of 725 KVA and 1 no. of 500 KVA DG Sets. The total cost of the project is 15 Crores.

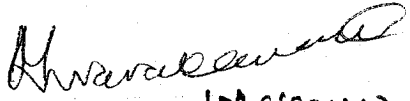
The project activity is covered under 8(a) of the Schedule of the EIA Notification and is of 'B2' category. The SEAC after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observation has recommended to the SEIAA, UT of Puducherry to grant Environmental Clearance to this project.

The proposal was placed before the SEIAA in its 13th Meeting held on 15.12.2014. Based on the recommendations of SEAC, the SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September 2006 and subsequent amendments subject to the following strict compliance of the following Specific and General conditions


SPECIFIC CONDITIONS

Condition for Pre-Construction phase

1. The built up area, landscape and vacant space land left out shall be as per the layout design furnished.
2. The green materials and green energy provisions as per Indian Green Building Council shall be designed and implemented.
3. The potable and non-potable use of water, STP capacity (1000 KLD) shall be as per the design furnished.
4. Provision for separate treatment of Laundry wastewater (30 KLD) and medical lab (10 KLD) spent wash/toxic waste shall be designed and provided.
5. Biomedical waste shall comply to the norms with centralized facility treatment and disposal.


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6. Approval for clearance of additional ground water quantity, DG set provision, Fire fighting shall be obtained.
7. Storm water design shall be designed and implemented according to norms.
8. Landscape and green belt design shall be provided with indigenous species.
9. The installation of the sewage treatment plant (STP) shall be certified by an independent expert and a report in this regard shall be sent to the State Level Environment Impact Assessment Authority before the project is commissioned for operation. Discharge of treated sewage shall conform to the norms and standards prescribed by the Puducherry Pollution Control Committee. The treated waste water (600 KLD) shall be used for gardening / irrigation within the premises. The treated waste water shall also be used for dual flushing and other non contact uses (200 KLD).
10. For disinfection of waste-water, system using ultra violet radiation shall be adopted.
11. Specific plan for disposal of treated sewage during monsoon shall be adopted.
12. Rain water harvesting for roof and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.
13. The water requirement (925 KLD) shall be met with the approval of the competent authority. The ground water wells shall be properly monitored to ensure the degree of contamination if any during utilization of water.
14. The solid waste generated shall be properly collected, segregated and composted within the premises with respect to organic waste.
15. The STP sludge shall be composted along with other biodegradable solid waste and used as manure.
16. The Plastic wastes shall be segregated and disposed through recyclers.
17. The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, etc. and the noise level shall be maintained as per MoEF/CPCB/PPCC guidelines/norms both during day and night time.
18. The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that
 - i) The project has been accorded Environmental Clearance.
 - ii) Copies of clearance letters are available with the Puducherry Pollution Control Committee.
 - iii) Environmental Clearance may also be seen on the website of the State Level Environment Impact Assessment Authority.


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Environmental Clearance issued in respect of M/s Sri Manakula Vinayagar Medical College and Hospital

The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the State Level Environment Impact Assessment Authority.

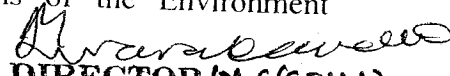
Condition for construction phase

1. NOC from the Fire Department shall be obtained in two stages before construction and occupation of the building.
2. NOC from State Disaster Management Authority i.e., Department of Revenue and Disaster Management shall be obtained.
3. The green belt design along the periphery of the campus shall achieve attenuation factor conforming to the day and night noise standards prescribed for land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable indigenous varieties with specific reference to climate and soil conditions.
4. Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
5. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the campus shall be provided.
6. A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the State Level Environment Impact Assessment Authority in three month's time.
7. The proponent should make separate allocation of funds for the installation and maintenance of proper Pollution Control Measures and the Environmental Measures and earmark separate staff for operation and maintenance of the control system.

GENERAL CONDITIONS

Condition for Post construction/Operation phase

1. It is mandatory for the Project proponent to furnish to the State Level Environment Impact Assessment Authority, Half yearly compliance report in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.
2. The State Level Environment Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the Environmental Clearance under the provisions of the Environment


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(Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

3. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.

Condition for entire life of the project

1. Post project liability of the development, operation and maintenance of the following viz., Sewage Treatment Plant, Solid Waste Management, Rain Water Harvesting, Green Belt and Fire Safety measures are the sole responsibility of the project proponent.

2. All the stipulations stated under Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act,1981,the Environment (Protection) Act,1986, the Public Liability (Insurance) Act,1991 and EIA Notification, 2006 would be enforced.

3. This Environmental Clearance is valid for five years from the date of issue.

4. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, Bengaluru, the Zonal Office of CPCB, Bengaluru and the PPCC. This shall also be put on the website of the Trust by the proponent.

5. The Environmental Statement for each financial year ending 31st March in Form-V as is mandated has to be submitted by the project proponent to the Puducherry Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the Trust along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF, Bengaluru by e-mail.

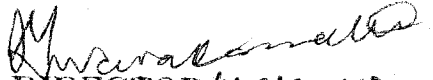
6. A copy of the clearance letter shall be sent by the proponent to the Commissioner, Mannadipet Commune Panchayat. The clearance letter shall also be put on the website of the Institution by the proponent.

7. Provision shall be made for a new pond for collecting rain water.

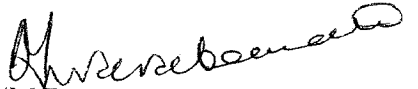
8. Organic gardening to be established using treated wastewater and composted solid waste.

9. Utilization of reverse osmosis reject is to be practiced for flushing in sanitary system.

10. Use of plastics shall be avoided and biodegradable materials may be used within the campus.


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11. Details on reuse of treated sewage and sludge are to be furnished in the half-yearly reports of each calendar year.
12. Plant species as suggested by the Committee shall be planted in the campus.
13. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Bengaluru, the respective Zonal Office of CPCB, Bengaluru and the PPCC. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the Institution in the public domain.
14. The proponent shall strictly adhere to the Environment Sustainability and Corporate Social Responsibility (CSR) related guidelines of the OM No. J-11013/25/2014-IA.I dated 11.08.2014 by the Ministry of Environment and Forests, Government of India with respect to the Companies Act, 2013 and the Companies (Corporate Social Responsibility Policy) Rules, 2014.
15. The applicant shall remit one time processing fee to be prescribed by the SEIAA in course of time towards the EC processing fee for the proposal which will be intimated later.
16. Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


(M.DWARAKANATH)
Member Secretary (SEIAA)
U.T. of Puducherry

Copy to:-

1. The Commissioner-cum-Secretary(Environment), Chief Secretariat, Puducherry.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi 110032.
3. The Chairman, SEIAA, U.T.of Puducherry.
4. The Chairman, SEAC, U.T.of Puducherry.
5. The Member Secretary, Puducherry Pollution Control Committee, 3rd Floor, PHB Building, Anna Nagar, Puducherry – 5
6. The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560034.
7. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
8. The Member Secretary, Puducherry Planning Authority, Puducherry.
9. The Commissioner, Mannadipet Commune Panchayat, Mannadipet, Puducherry.
10. Standing Guard File.

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