



सत्यमेव जयते  
GOVERNMENT OF PUDUCHERRY

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**  
**III FLOOR, PHB BUILDING, ANNA NAGAR, PUDUCHERRY - 605 005.**  
**Ph: (0413) 2201256 Fax: (0413) 2203494.**  
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Thiru. M. Sarathi  
Director (Environment)  
Member Secretary

No. UTP/SEIAA/EC/SVMCH&RC/2010/317

Dated 7 MAR 2010

To  
The Chairman,  
M/s. Sri Ramachandra Educational Trust,  
Pondy-Villupuram Main Road,  
Ariyur Village,  
Puducherry.

Sir,

Sub: SEIAA, U.T of Puducherry - Proposed construction of Sri Venkateswara Medical College, Hospital and Research Centre by M/s Ramachandra Educational Trust at R.S No. 132/3, 148/1, 148/2, 149/1, 149/2, 149/3, 149/4, 149/5, 149/7, 150/3, 150/4, 150/5, 150/6, 150/7, 150/8, 151/4, 151/6, 153/1, 2, 3, 5, 154/1, 154/2, 165/3, 165/4, 165/5, 165/6, 165/7 & 165/8, Pondy Villupuram Main Road, Ariyur Village, Villianur Commune, Puducherry - Issue of Environmental Clearance - Reg.

This has reference to your application No.RET/ENVI/SVMCH&RC/2008 dated 19.03.2008 submitted to the Ministry of Environment and Forest (MoEF) seeking Environmental Clearance under the Environment Impact Assessment Notification, 2006. After completing 3 stages of appraisal (Screening, Scoping & Public consultation) the Ministry has referred the file along with relevant documents to this authority for issue of Environmental Clearance, vide F.No. 21-185/2008-IA.III/772/Dir(BB) dated 09.07.2008. The proposal has been appraised by the State Level Expert Appraisal Committee in its meetings held on 29.7.09, 5.8.2009 and 22.2.2010 as per the prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with EIA (Schedule-II), Project Feasibility Report (EMP), REIA and Addendum (Clarifications & Compliance) furnished by the proponent.

The project proposal involves construction of Medical College, Hospital and Research Centre, Hostel & Staff quarters in the location comprised in R.S. Nos: 132/3, 148/1, 148/2, 149/1, 149/2, 149/3, 149/4, 149/5, 149/7, 150/3, 150/4, 150/5, 150/6, 150/7, 150/8, 151/4, 151/6, 153/1, 2, 3, 5, 154/1, 154/2, 165/3, 165/4, 165/5, 165/6, 165/7 & 165/8 of Ariyur Revenue Village furnished by project proponent was received

by SEAC on 21.07.2009 through Ministry of Environment and Forest. The area of the project plot is 32.03 acres and total built - up area as reported is 53209.02 Sq. M comprising of the following:

Area Statement of Sri Venkateswara Medical College, Hospital and Research Centre

	Area statement	Sq. M	Sq. Ft
1	<b>Area of college</b>		
	Ground floor area	5681.00	61149.14
	First floor area	5053.80	54398.65
	Second floor area	3762.40	40498.14
	Third floor area	3382.65	36410.54
	Staircase head rood	164.70	1172.80
	Total	18044.55	193629.27
2	<b>Area of Gents Hostel</b>		
	Ground floor area	1099.50	11834.91
	First floor area	1075.00	11571.20
	Second floor area	1075.00	11571.20
	Third floor area	1075.00	11571.20
	Fourth floor area	1075.00	11571.20
	Fifth floor area	1075.00	11571.20
	Staircase head room	97.00	1044.00
	Total	6571.50	70734.91
3	<b>Area of Ladies Hostel, Nurses Hostel &amp; Kitchen and Dining Block</b>		
	Ground floor area	2575.64	27723.96
	First floor area	2453.74	26411.85
	Second floor area	1274.38	13717.30
	Third floor area	1274.38	13717.30
	Fourth floor area	1274.38	13717.30
	Fifth floor area	1274.38	13717.30
	Staircase head room	52.70	567.25
	Total	10179.60	109572.26
4	<b>Incinerator</b>	31.82	342.50
	Gas manifold	79.00	850.34
5	<b>Sub station</b>	250.00	2690.97
6	<b>Mortuary</b>	417.60	4495.00
7	<b>Animal house</b>	315.40	3394.93
8	<b>Area of Resident Doctor's Housing -B</b>		
	Ground Floor (single Unit)	782.36	
	Typical floors (I, II, III, IV & V Floors)	782.36 (x5)	8421.25 (x5)
		4694.16	50527.52
	<b>Area of Resident Doctors Housing - A</b>		
	Ground Floor (single Unit)	536.34	5773.11
	Typical floors (I, II, III, IV & V Floors)	536.34(x5)	5773.11 (x5)
		3218.04	34638.69
	<b>Dining Block</b>		
	Ground Floor	390.51	4203.41
	First floor	390.51	4203.41
		781.02	8406.82
9	<b>Area of Doctor's Housing - 2BD</b>		

	Ground Floor (Staff Quarters)	550.43	5924.78
	Typical floors (I, II, III, IV & V Floors)	550.43 (x5)	5924.78 (x5)
	Staircase head room	36.85	396.65
		3339.43	35945.33
<b>10</b>	<b>Area of Library &amp; Auditorium</b>		
	Ground Floor area	2658.00	28610.47
	First Floor area	1135.00	12217.04
	Second Floor area	650.00	7001.92
	Mezzanine floor area	535.00	5758.69
	Total	4978.50	53588.12
<b>11</b>	<b>Service Block</b>	308.40	3319.59
		<b>53209.02</b>	<b>572737.10</b>

Plot Area : 1, 29,619.80 (32.03 Acres)  
F.S.I. : 0.62  
Plot Coverage : 17.46%

Water requirement of the project is 250 KLD which will be met from the tube wells in the project site as per Certificate of registration issued by Ground Water Authority with the permission of Directorate of Agriculture, Govt. of Puducherry. It has been proposed to provide sewage treatment plant of 400KLD for collection and treatment of sewage. The reclaimed water of 300 KLD will be used for green belt, AC - Cooling Tower, Boiler- cooling Tower and Boiler Feed. The estimated generation of 1005Kg/day of organic waste, as against 750 beds during 5th year which includes paper, food, kitchen waste, clothing etc., shall be segregated into compostible and non compostible fractions. Bio medical waste generation has been projected as 1125 Kg/day (at the rate of 1.5Kg/bed/day for 750 beds). The requirement of the power is proposed to be met with 450 KVA, augmented by a diesel -based generator of 250KVA capacity. The total cost of the project is about 54.443 Crores (at the end of the 5<sup>th</sup> year). The project activity is covered in 8(a) of the Schedule and is of 'B1' category.

The proposal was appraised up to Stage (3) of Para 7(i) - Public Consultation of EIA Notification, 2006 and referred to SEIAA UT of Puducherry by MoEF. In the meantime, the project proponent has commenced the establishment of facility based on NOC issued by the PPCC and other statutory clearance accorded by the Govt. of Puducherry. The SEAC appraised the proposal at Stage (4) and also examined all the previous stages of appraisal and verified the compliance of project. It was noticed that the project proponent has followed all the norms prescribed under the provisions of EIA Notification, 2006 for both construction and operation phase, 2006.

The State Level Expert Appraisal Committee after due consideration of the relevant documents submitted by the Project Proponent and additional clarifications furnished in response to its observations has recommended to the State Level Environment Impact Assessment Authority, UT of Puducherry to grant Environmental Clearance to this project.

Based on the recommendations of SEAC, SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA notification dated 14<sup>th</sup> September 2006 and subsequent amendment dated 1<sup>st</sup> December 2009 subject to the following strict compliance of Specific and general conditions.

#### ANNEXURE

##### **A. SPECIFIC CONDITIONS - Environment Management Measures**

- i. The disposal of dried sludge collected from the waste water treatment plant shall be incinerated.
- ii. The expired (outdated) medicines shall be properly disposed through the suppliers.
- iii. The amputated human anatomical waste shall not be buried. Instead, it should be incinerated safely.
- iv. The incinerator ash shall be dumped in a properly secured land fill within the project site.
- v. The needles shall be properly autoclaved/disinfected/shredded and then disposed off through scrap vendors.
- vi. The syringe and related plastic waste shall be disinfected, shredded and disposed off through the recycling units.
- vii. The building roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- viii. 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 & standards prescribed by the Puducherry Pollution Control Committee.
- ix. The unit shall furnish separate plan of action for disposal of treated sewage during monsoon.
- x. Rain water harvesting for roof run-off 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.
- xi. Permission to draw water for operation should be obtained from the competent authority.

- xii. Extraction of ground water should be as per the permission granted by the Ground Water Authority duly complying with the conditions stipulated.
- xiii. It is also suggested that the Biomedical waste from the hospital may be treated in the common Bio-medical Waste Disposal Facility at Thuthipet as per the norms of the Puducherry Pollution Control Committee.
- xiv. A First Aid Room shall be provided during operation of the project.
- xv. The domestic solid waste generated shall be properly collected, segregated & composted within the premises with respect to organic waste.
- xvi. The Plastic wastes shall be segregated and disposed through recyclers.
- xvii. Any hazardous waste including biomedical waste shall be disposed off as per applicable rules & norms with necessary approval of the Puducherry Pollution Control Committee.
- xviii. 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.
- xix. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot shall be suitably landscaped and covered with vegetation of suitable variety.
- xx. Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored.
- xxi. 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 apartments shall be provided.
- xxii. Traffic congestion near the entry and exit points from the roads adjoining the proposed projects site shall be avoided. Parking shall be fully internalized and no public space should be utilized.
- xxiii. 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**

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) In the case of any change(s) in the scope of the project, a fresh appraisal by the State Level Environment Impact Assessment Authority shall be obtained.

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

4) 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.

5) 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.

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 (SEIAA).

6) All the stipulations stated above would be enforced in addition to the provisions of the 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.

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


8) 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 Institution by the proponent.

9) 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 Committee as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and shall also be put on the website of the institution along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF, Bengaluru by e-mail.

10) 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, SO<sub>2</sub>, NO<sub>x</sub> (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.

11) A copy of the clearance letter shall be sent by the proponent to the Commissioner, Villianur Commune Panchayat and the Local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the institution by the proponent.

  
(M.SARATHI)  
Member Secretary,  
State Level Environment Impact  
Assessment Authority,  
U.T. of Puducherry

Copy to:-

1. The Special 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 Member, SEIAA, U.T.of Puducherry.
5. The Chairman, SEAC, U.T.of Puducherry.
6. The Member Secretary, Puducherry Pollution Control Committee, 3<sup>rd</sup> Floor, PHB Building, Anna Nagar, Puducherry - 5
7. The CCF, Regional Office, Ministry of Environment & Forest (SZ), Kendriya Sadan, IV floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560034.
8. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.

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