



Dr. S. Kalyanasundaram, I.F.S.(Retd.) Chairman 3rd Floor, Panagal Maaligai, No.1, Jeenis Road, Saidapet, Chennai-600 015. Telephone No.: 044-2435 9973

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To: Dr.R.Selvaraj, I.A.S Managing Director(SIPCOT) SIPCOT Aerospace Park 19-A, Rukmani Lakshmipathy Road, Post BoxNo-7223, Egmore, Chennai-600 008. Email-sipcot@md3.vsnl.net.in

Lr.No.SEIAA-TN /F.No- 4262/2015/8(b)/EC-471/KPM/2016/dated 19.05.2015

Sir,

Subject :- SEIAA-TN - M/s. SIPCOT Aerospace Park, Vallam Vadagal Village, Sriperumbudur r-Faluk , Kancheepuram District, for the proposed Aerospace project of area 244.53 acres (99 ha), under category B, schedule No-8(b) ssue of Environmental Clearance-Reg.

This has reference to your application dated 07.10.2015 and further communication on the above mentioned subject. रक्त ने क्षेत्र जा सही

The project activity is covered in 8(b) of the Schedule and falls under 'B1' category. As per the amendment dated 01.12.2009 to the EIA notification, 2006, the industrial estate of area less than 500 ha but containing building and construction projects > 20,000 sq.m and or development area more than 50 ha will be treated as activity listed at serial no. 8 (a) or 8 (b) in the schedule as the case may be.

In this proposal, no 'A' or 'B' category industry has been proposed to be housed and also the development area (98.96 ha) is more than 50 ha and hence, this project is considered as 8 (b) category which requires EIA report and does not require Public Consultation, as per Para 7(i) III Stage (3) (d) 'Public Consultation' of EIA Notification, 2006.

The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee, Tamilnadu in its 72nd meeting and decided to recommend the project for issue prior environment clearance by SEIAA, and SEIAA after careful consideration decided to

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issue Environmental Clearance in its 175^{th} meeting held on 19.05.2016 vide item no. 175 – 7 based on the Information submitted by you which are extracted below.

SI.No	Particulars	F.No4262/2015.				
1.	(i)Name of the Project	M/s. SIPCOT AEROSPACE PARK				
2.	(ii) Site Address	Annexure - I				
3.	Name, address, e-mail & contact number of Proponent	Name: Dr.R.Selvaraj, IAS, M.D-SIPCOT Address: 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai 600008 Telephone Number: 044-28554514 Mobile Number: 9841459919 Email id: cmdsipcot2014@gmail.com				
4.	Name, address, e-mail & contact number of Consultant	 Address: Centre for Environment, Health & Salety Annamalai University, Chidambaram 608002 Telephone Number: 04144-238731 Mobile Number: 9443223091 Email id: centreforehs@gmail.com 				
5.	Accreditation of Consultant (NABET accreditation)	complexes / areas // export processing zones / special economic zones / biotech parks / leather complexes A & B Category projects.				
6.	New project/Expansion in existing project Modernization/Diversification in existing Project.	SIPCOT is proposed to develop Engineering & Allied industries				

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7.	If expansion / Diversification, whether	Not Applicable			
	environmental clearance				
	has been obtained for existing project.				
8.	Activity schedule in the EIA Notification	8 (b) - B2.[Industries Not attracting EIA Notification]. Member units to take Consent from the TNPCB individually			
9.	Area Details	 Total Plot area (sq. m): 98.96 Ha. (> 50Ha). i) Area allotted to Member Industries - 196.68 acres- (795939.98sq.mt) ii) Road area – 20.85 acres (94377.30 sq.mt) iii) Common facilities - 2.55 acres(10319.53 sq.mt) 			
		iv) Green Belt – 73.62 acres(297930.79sq.mt). Total Plot Area - 244.53 acres (98.96 ha).(400478.55sq.mt).			
10.	Name of the Notified Industrial area	SIPCOT Industrial Estate [G.O M.S.No. 3 dated 6.1.2009].			
11.	TOR given by SEAC? (If yes, then specify the meeting)	Yes, 68 th SEAC meeting held on 26 th , 27 th & 28 th Oct 2015. Lr.No. SEIAA-TN /F.No.4262/2015/8(b)/ToR No – 229 / 2015 / dated 03.11.2015. [Public hearing is not-mandated since the project falls under Item No - 8 of the schedule to EIA Notification].			
12.	Estimated capital cost of the project (including cost for land, building, Plant and machinery Separately)	Rs.100 /- Crores			
13.	Location Details of the Project:	 Longitude:12°53′32.96″ N to 12°52′55.5″N Location: Vallam Village, Sriperumbudur Taluk, Kancheepuram District. 			
14.	Distance from the protected Areas/Critically polluted areas/Eco-Sensitive areas/inter-state	• Elevation above Mean Sea Level (Meters): +53.85 There is no protected areas/critically polluted areas/ecosensitive areas/inter-state boundaries within the impact area of 10 km radius			

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	boundaries		
	Raw Materials (including process, chemicals, catalysts and additives.	Not Applicable; since it is an infrastructure development project.	
16.	Production details	Not Applicable; since it is an infrastructure development project.	
17.	Process details/Manufacturing Details	The Proposal is to develop an Industrial Park to promote industries for manufacturing, testing, etc of Aerospace and Avionic industrial sector.[No R & D activity proposed].	
18.	Rain Water Harvesting (RWH)	• Level of the ground water table: 30 feet All the allottee industries will be mandated to install rainwater harvesting structures in their premises.	
19.	Total Water Requirement	 Total Water requirement: 0.25 MGD Fresh water: 1150 KLD [Member units- 1100KLD+Green belt-50 KLD]. Source: Supplied by metro water through captive pipelines from Chembarambakkam or TTRO water 	
20.	Storm Water drainage	 Natural Water drainage system: All along the roads of SIPCOT Park as open collection systems. The collected water will be used for ground water recharge and fed into nearby lake or pond with permission from concerned authority. Quantity of storm water: 100000 cubic meter Size of SWD: 7756 cubic meter 	
21.	Sewage Generation and Treatment	 Individual member units will be mandated to treat sewage generated to prescribed standards before disposal. 	
22.	Effluent generation and ETP Details	 Individual member units will be mandated to treat effluent generated to prescribed standards before disposal 	
23.	Solid waste Management	Individual member units will be mandated to collect, store a dispose solid/hazardous waste to be generated as per So waste Rules/Hazardous Waste management Rules notified.	
24.	Energy	Power Supply: Through TNEB grid	
25.	Green Belt Development	Green Belt area (Sq. mt): 297929.57 Sq.mt.	

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		 Green belt will be developed based on the advice of DFO, Kanchipuram. 				
Management plan Budgetary allocation	B. 하시 : 2018년 1월 2일 - 12 : 12 : 12 : 12 : 12 : 12 : 12 : 12		Sl.No.	Details	Capital cost (lakhs)	
	budgetary allocation		1.	Environment Monitoring and Management	25.00	
			2.	Green Belt	100.00	
			Total	125.00		
27	EIA Submitted (If yes then submit the salient features)	Period of data collected: February to March 2015				

Validity:-

The SEIAA-TN hereby accords Environmental Clearance to this project under the provisions of the EIA Notification 2006 as amended, with Validity for Seven years from date of issue subject to the strict compliance of the terms and conditions stipulated below:



(A) Conditions for Pre Construction Phase:-

- 1. The project authorities should advertise with basic details at least in two local newspaper widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN and a copy of the same should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai.
- 2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained.

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- 3. A copy of the clearance letter shall be sent by the proponent to the Block development officers of Panchayat union and the Local NGO, if any, from whom suggestions /representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the Proponent.
- 4. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy of the same shall be submitted to the SEIAA, Tamil Nadu before start of construction activity at the site.
- 5. 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.
- 6. The approval of the competent authority shall be obtained for structural safety of the buildings during earthquake, adequacy of fire fighting equipments, etc as per National Building Code including protection measures from lightning etc.
- 7. All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
- 8. Design of buildings should be in conformity with the Seismic Zone Classifications.
- 9. 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, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the concerned competent authorities.
- 10. SIPCOT shall ensure that no allotment letter/ sale deed in any form shall be made to house category A or category B industry as prescribed in the schedule of EIA notification 2006. However, it is liberty to the Developer to make fresh application for EC before the concerned authority if the Developer so desires to allot / sale the industrial plot for the individual industry to house category A or category B type of industry as prescribed in the schedule of EIA notification 2006 for fresh Environment Clearance (EC).

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(B). Construction Phase

- 11. SIPCOT shall ensure that any construction/ development activity shall not change or alter the course of storm water flow either directly or indirectly and shall ensure that every precautionary step shall be taken to ensure the natural existence of waterways with respect to the nearby lakes.
- 12. SIPCOT shall mandate that all the member units shall be commissioned only after securing water supply connection from the Chembarambakkam Lake through CMWSSB by SIPCOT.
- 13. SIPCOT shall adhere the following conditions and also mandate the same for all its member units to adhere the conditions:
 - a. The excavated earth / constituction debris must be used within the premises only.
 - b. The solid waste in the form of excavated earth excluding the top soil scientifically utilized for approach road and peripheral roads constructions.
 - c. All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.
 - d. Disposal of other construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed of only in approved sites with the approval of competent authority with necessary precautions for general safety and health aspects of people.
 - e. Adequate potable drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
 - f. All required sanitary and hygienic measures should be in place before starting construction activities and they have to be maintained throughout the construction phase.
 - g. For disinfection of waste-water, system using ultra violet radiation shall be adopted.

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- h. For Solid-waste management, composting arrangements shall be provided for biodegradable waste at site.
- All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- j. A First Aid Room shall be provided with qualified personnel during operation of the project.
- k. Vehicles hired for bringing construction materials to the site should be in good operable condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during nonpeak hours.
- 1. Building materials composed wholly or partly of fly Ash should be used in the construction activities as per the provision of Fly ash Notification of September, 1999 as amended in August 2003.
- m. Ready mixed concrete must be used in building construction.
- n. Storm water control and its requise shall be as per CGWB and BIS standards for various applications.
- o. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- p. Roof should be designed to meet prescriptive requirement of Energy Conservation Building Code (ECBC) by the use of appropriate thermal insulation material.
- q. Readiness with suitable trained personnel for handling of fire fighting equipments / operations.

(C).Operation Phase

14. SIPCOT shall ensure that the water bodies shall be kept in their natural course without any change in its alignment, direction, capacity etc during entire operation phase of the project.

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STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – TAMIL NADU ENVIRONMENTAL CLEARANCE

- 15. SIPCOT shall also ensure that the catchment area of the adjacent lakes shall not be disturbed or realigned or redistributed or restricted etc during the entire operation phase of the project.
- 16. No bund shall be formed around the premises of SIPCOT which obstruct the rain water flow to the lakes located abetting the Industrial Park.
- 17. SIPCOT shall mandate all member units to ensure that the treated sewage/ trade effluent collection, storage and Reuse system shall not have any access to the water bodies. All precautionary steps shall be effectively taken and shall be continuously monitored by the Developer so as to prevent the leachate or discharge of the treated sewage/ trade effluent into canal/ Lakes.
- 18. SIPCOT shall ensure that only after Rehabilitation & Resettlement ie., after making payment to all the land owners, as per law, the land can be allotted to the member industries.
- 19. The lands under litigation shall not be sold/handed over to any industry till the judgment is finalised and delivered in favour of SIPCOT by the concerned court.
- 20. SIPCOT shall ensure that the Green Belt Development as committed including the premises owned by the individual industries and a saving clause in the allotment/sale deed executed with every industry shall be provided.
- 21. SIPCOT shall ensure that no CETP/ CMSWTSF shall be provided for the sewage, trade effluent, municipal solid waste generated from the individual industries except the facilities for the collection, storage and reuse of the treated sewage/ trade effluent /solid wastes by member units as per agreement to be made with the Member units.
- 22. The water requirement shall be met from the Chembarambakkam Lake (TTRO water) through CMWSSB as committed, by SIPCOT.
- 23. The measures contemplated in the EIA /EMP report shall be adhered to by the SIPCOT.
- 24. SIPCOT shall mandate the member units of the Industrial Park to discharge emissions within permissible limits only and to install adequate APC measures and to allot adequate area for green belt development and to install rain water harvesting structures.
- 25. SIPCOT shall mandate that all its unit shall furnish separate plan of action for disposal of treated sewage during monsoon months such as optimal / minimized usage of water, regulate the application of treated sewage to avoid stagnation etc.

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- 26. The SIPCOT shall ensure that storm water drain provided at project site shall be maintained without chocking for stagnation and should also ensure that the storm water shall be properly disposed in the natural drainage course.
- 27. SIPCOT shall conduct EIA study for one season excluding rainy season for all parameters such as water, air, noise, waste water etc and submit to SEIAA before March 2017.
- 28. A separate cell shall be formed and kept in readiness with suitable trained personnel for handling of fire fighting equipments / operations.
- 29. A First Aid Room shall be provided with qualified personnel during operation of the project.
- 30. Adequate fire protection equipments and rescue arrangements should be made.
- 31. SIPCOT as well as its member units shall be mandated to comply the following conditions:
- The SIPCOT shall ensure that rain water collected from the covered roof of the a. buildings, etc shall be scientifically harvested so as to ensure the maximum beneficiation of rain water harvesting.
- SIPCOT shall mandate all its member units that Rain water harvesting for surface b. run-off, should be filtered before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease.
- The proponent should also ensure to keep necessary road width as per O.M. dated c. 7.2.12 of MOEF, GOI, New Delhi with respect to high rise buildings.
- d. The Plastic wastes shall be segregated and disposed through authorized recyclers.
- .The acoustic enclosures shall be installed at all noise generating equipments such as e. DG sets, air conditioning systems, etc. and the noise level shall be maintained as per MoEF / CPCB / TNPCB guidelines / norms both during day and night time.
- The green belt design along the periphery of the plot shall achieve attenuation factor f. 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.

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- g. 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 buildings shall be provided.
- h. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. Parking shall be fully internalized and no public space should be utilized.
- i. 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 SEIAA in three month's time.
- j. Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.
- k. SIPCOT shall collect periodical water samples in the adjacent lakes and sufficient well water samples atleast once in 3 months for physio-chemical and biological analysis and shall keep the baseline data for record. The compiled annual Report of Analysis shall be forwarded to TNPCB to ascertain the changes in the quality of the lake water, if any followed by remediation / action.
- 32. It is mandatory for the Project proponent to furnish to the SEIAA, 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.
- 33. The SEIAA reserves the right to add additional safeguard measures subsequently, if found non compliance of EC conditions and to take action including revoking of this Environmental Clearance as the case may be.
- 34. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent, if it was found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in the Environmental Clearance.
- 35. 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

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periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective Zonal Office of CPCB, Chennai and the TNPCB.

- 36. A copy of the clearance letter shall be sent by the proponent to the Block Development Officer and the Local NGO, if any, from whom suggestions /representations, if any, have been received while processing the proposal. The clearance letter shall also be put on the website of the proponent.
- 37. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- 38. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.
- 39. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chennai.
- 40. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- 41. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the

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Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.

- 42. The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.
- 43. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- 44. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
- 45. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- 46. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India / Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.

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Copy to:-

1. The Principal Secretary to Government, Environment & Forests Department, Govt. of Tamil Nadu, Fort St. George, Chennai – 600 009.



- The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi 110032.
- 3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai - 600 032.
- 4. The ACCF(C), Regional Office of MoEF, 34, hepc Building, I & 2 nd Floors, Cathedral Garden Road, Nungampakkam, Chennai 600 034.
- Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi 110003.
- 6. The District Collector, Dt. Collectorate, Kancheepuram District.
- 7. The Commissioner, Sriperumbudur Taluk, Kancheepuram District.
- 8. The Chief Engineer (Chennai Region), WRO, Taramani, Chennai.
- 9. Stock File.

SIPCOT - AEROSPACE PARK - VALLAM FMB AREA STATEMENT

SL. No:	S.F.No.	Extent in	
1/01/1.000	TALLMILLAG	Hec- are	Acre
I. VALLAW	'A' VILLAG	<u> </u>	
1.	6	0.390	0.9
2	7	0.405	1.0
. 3	8	0.185	0.4
4'	9	0.335	0.8
5	10	0.210	0.5
6	11	2.515	6.2
7	12	3.005	7.4
8	13	2.940	7.2
9	14	4.215	10.4
10	22	3.470	8.5
11	23	3.750	9.2
12	24	0.585	1.4
13	32	1 1 765	11.7
14 15	52	10 E 10 820	2.0
16	207 p 208	1/6 写真是 人民主教教育	5.97
17,	209	1 2.600	6.43
18	210	2.515	6.2
19	211	320	10.6
20	212	2.605	4.39
21	213	2.695 2.005	6.60
22	226	1.520	4.95
23	227	MIN IN 19260	3.76
24	229	3 490	5.58 8.62
25	230	1 1 1 1 1 690	9.12
26	231	4.335	10.71
27	232	4.745	11.72
28	233	0.285	0.70
29	234	5.665	14.00
30	235	3.005	7.43
31	236	0.285	0.70
32	237 p	t. 3.940	9.74
33	239 p		4.14
34	240	0.415	1.03
35	241 p	0.080	0.20
36	242 pt	0.200	0.49
37	244 p	3.370	8.33
38	245 p	t. 2.425	5.99
39	246	0.685	1.69
40	247 pt	4.945	12.22
41	248 pt		13.86
42	276 pt		0.42
43	277 pt		0.42
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