

**Minutes of the 102<sup>nd</sup> SEAC Meeting held on 02<sup>nd</sup> February 2018**

<b>102-01</b>  <b>F. 6489/2017</b>	Proposed Construction of IT Building by Thiru. B. Satyanarayana Raju at S.F.No. 36/1A1A2, 38/2A1A2, Seevaram Village, Sholinganallur Taluk, Kancheepuram District, Tamilnadu – Activity 8(a) & Category “B2”- Building & Construction Projects -Environmental Clearance- Regarding
	<p>The Proponent, Thiru. B. Satyanarayana Raju has applied for Environmental Clearance for the proposed Construction of IT Building with built up area of 132120.57 Sq.m at S.F.No. 36/1A1A2, 38/2A1A2, Seevaram Village, Sholinganallur Taluk, Kancheepuram District, Tamilnadu on 18.01.2018.</p> <p>On scrutiny of the proposal, certain additional details were called for vide this office letter dated: 24.01.2018 and the proponent furnished the reply vide his letter dated: 25.01.2018 received on 02.02.2018.</p> <p>The proposal was placed in the 102<sup>nd</sup> SEAC meeting held on 02.02.2018.</p> <p>The salient features and deliberations made in the SEAC are as follows:</p> <ol style="list-style-type: none"> <li>1. The project proposal involves construction of IT building comprising of Tower 1 &amp; 2 with combined triple basement (parking) + combined stilt floor (parking) + combined 1st floor (parking) + 2nd floor to 15th floor and an utility block with G+3 floors in a total plot area of 21164.89 sq.m and total built up area of 132120.57 sq.m</li> <li>2. Fresh water requirement for the project is 331 KLD and source is from CMWSSB.</li> <li>3. The total waste water generated is 555 KLD proposed to be treated in an STP of capacity of 570 KLD.</li> <li>4. The treated water from the STP amounts to 527 KLD, out of which 257 KLD is used for flushing, 11 KLD for gardening, 7 KLD for OSR and the</li> </ol>

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remaining 252 KLD for HVAC purposes, ensuring zero liquid discharge.

5. Regarding E-waste generation, the proponent has furnished the following data:

Total number of employees= 11589		
No. Of employees using laptops = 6954		
No. Of employees using desktops = 4635		
Sl.No	Description	Quantity of e-waste generated (kg/year)
1.	Desktop	2607.188
2.	Laptops	6954
3.	Keyboard	811.125
4.	Mouse	579.45
5.	Xerox	386.3
Total		11338.063
Total quantity of e-waste generated / year		11.34 tons

Projection for first 11 years of e-waste generation

- For first four years – no generation
- From 5th year onwards average 2 tonnes/year.

Source: E-waste (Management & Handling) Rules, 2011 dated: 12.05.2011.

A perusal of the above data reveals that there are errors in the e-waste generation estimation. For example, the number of laptops have been taken as the weight of laptop waste as such. Also, the source namely the notification quoted does not recommend any criteria for the quantity of e-waste generation. Hence, the SEAC decided not to accept this data regarding e-waste generation and directed the proponent to immediately collect data from the IT

companies in Chennai regarding the e-waste generation and submit the same to SEAC. This data should also be used in the e-waste management of the project.

Based on the direction of the SEAC the proponent has collected data from one of IT companies in Chennai and following are the data collected.

Based on the working model: HCL, Sholinganallur campus – 20000 seating capacity started in 2010

- First four years no generation of e-waste since all the components used were new.
- From 5th year per year they got 2 tonnes in average
- Now they have stored 8 tonnes of e-waste in their campus (inclusive of monitors, Keyboards, printers, cartridges, mouse, laptops, UPS, invertors)
- Regarding UPS batteries and other batteries, first 4 years no generation after 4 years from 5th year onwards 7 tonnes of batteries / year is generated which is taken back by the battery supplier himself.

Based on the above working model, the seating capacity of the proposed IT/ITES building is 11589 numbers.

- **First four years no generation of e-waste**
- **From the 5th year onwards 1.1589 T/year as per the above existing IT park**
- **Per year approximate generation of e-waste from the 5th year will be 1.2 tonnes per year.**
- **Regarding used batteries, for first four years no generation and from 5th year onwards the generation is 4.06 Tonnes/year.**

The SEAC accepted the revised data for e-waste generation and directed the proponent to adopt the same for e-waste management.

6. Regarding rain water harvesting, the proponent has furnished calculations regarding storm runoff. This calculations need to be corrected to incorporate basic hydraulic principles. Also, the rain water harvesting system should be designed as per the standard manuals published by Government of India. Hence the proponent was directed to revise the rain water harvesting proposals and submit the same to SEAC.

The proponent revised the proposals as directed by the SEAC and submitted the same on the same day. The SEAC accepted the revised proposals.

7. Regarding CSR activity the following are the CSR funds which the proponent is directed to allocate:


Sl.No.	CSR Activity	Capital cost allocation (Rs in Lakhs)
1.	Funds for Vandalur Zoo	20
2.	Infrastructural (provided new rooms, toilet facilities, drinking water facilities and basic amenities in Government high school, Perungudi)	20
3.	Installation of solar lighting inside the school premises	5
4.	Construction or funding for providing sports infrastructure facility	15
Total cost allocation		60

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Accordingly, the proponent is directed to comply with the following:

1. A DD for Rs. 20 Lakhs favouring "The Member Secretary, Zoo Authority of Tamil Nadu" shall be submitted to the Vandalur Zoo authority for eco – awareness programmes in the Vandalur Zoo. This should be done before getting the EC and submit the proof to SEIAA.
2. For the items listed under Sl.No. 2-4 in the CSR table, the proponent should spend the remaining 40 Lakhs before obtaining the CTO from the TNPCB and submit the proof to SEIAA.

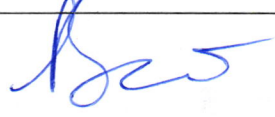

Based on the above deliberations, the SEAC decided to recommend the proposal for the grant of Environmental Clearance to SEIAA subject to the above conditions in addition to normal condition.

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	
6	Shri V. Sivasubramanian	Member	
7	Shri V. Shanmugasundaram	Member	
8	Shri B. Sugirtharaj Koilpillai	Member	

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9	Shri. P. Balamadeswaran	Co-opt Member	
10	Shri. M.S. Jayaram	Co-opt Member	

**Member-Secretary, SEAC**

**Chairman, SEAC**

**MEMBER SECRETARY, SEAC**

**CHAIRMAN, SEAC**