



TMT. P. RAJESWARI, I.F.S.,  
MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT  
ASSESSMENT AUTHORITY – TAMIL NADU  
3<sup>rd</sup> Floor, Panagal Maaligai,  
No.1, Jeenis Road, Saidapet,  
Chennai-15.  
Phone No. 044-24359973  
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**ENVIRONMENTAL CLEARANCE (EC)**

**Letter No. SEIAA-TN/F.No.7268/EC/8(b)/786/2021 dated: 30.09.2021**

To,

M/s. TRIL Infopark Limited,  
Mr. K. Senthilkumar,  
Head - Property and Facilities Management,  
Ramanujan IT City,  
Rajiv Gandhi Salai (OMR),  
Chennai - 600 113.

Sir,

Sub: SEIAA, TN – Environmental Clearance under violation notification for the Proposed Expansion of IT Park and Change in Concept from IT building, Hotel, Residential Complex & Retail Shop (Built up area 3,75,328 Sq.m) to IT Park comprising Block A-F and Utility Block, Serviced Apartment & Conventional Centre (Built Up area 6,65,940 Sq.m) by M/s. TRIL Info Park Limited at Block No. 6, T.S. Nos. 2/3 & 3/2, Kanagam Village of Guindy-Mambalam Taluk & Block No. 4, T.S. No. 2/1, Thiruvanmiyur Village of Mylapore-Triplicane Taluk, Chennai District, Tamil Nadu – Category - “B” and Schedule Sl. No. 8(b) - Township & Area Development projects – Issued – Regarding.

- Ref: 1. Earlier EC issued by SEIAA-TN vide Letter No. SEIAA/TN/EC/8(b)/039/  
F.190/2009 dated: 08.04.2009  
2. ToR issued by SEIAA-TN vide Letter No. SEIAA-TN/F.No.7268/Violation/  
ToR-800/2020 dated: 03.11.2020  
3. Online Proposal No. STIA/TN/MIS/60318/2018, dated: 29.01.2021



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4. Proponent submitted EIA report to SEIAA-TN on 12.02.2021
5. Minutes of the 212<sup>th</sup> SEAC Meeting held on 04.05.2021
6. Minutes of the 220<sup>th</sup> SEAC Meeting held on 20.07.2021
7. Proponent reply dated: 12.08.2021
8. Minutes of the 225<sup>th</sup> SEAC Meeting held on 13.08.2021
9. Minutes of the 226<sup>th</sup> SEAC Meeting held on 17.08.2021
10. Minutes of the 460<sup>th</sup> SEIAA Meeting held on 14.09.2021
11. Lr.No.SEIAA-TN/F.No.7268/2021 dt. 14.09.2021
12. Proponent reply dated: 21.09.2021
13. Minutes of the 463<sup>rd</sup> SEIAA Meeting held on 24.09.2021

1.0 This has reference to your application 3<sup>rd</sup> cited, wherein you have submitted proposal for obtaining Environmental Clearance under violation for the Proposed Expansion of IT Park and Change in Concept from IT building, Hotel, Residential Complex & Retail Shop (Built up area 3,75,328 Sq.m) to IT Park comprising Block A-F and Utility Block, Serviced Apartment & Conventional Centre (Built Up area 6,65,940 Sq.m) under Category B and Schedule Sl. No. 8(b) - Township & Area Development projects under the Environment Impact Assessment Notification, 2006, and the notification S.O.804 (E) dated 14.03.2017, S.O.1030 (E) dated 08.03.2018 as amended of the Ministry of Environment, Forests and Climate Change, Government of India, New Delhi.

The Competent Authority and Authorized signatory has furnished detailed information in Form 1 and Form 1A and liquidate enclosures are as Annexures:

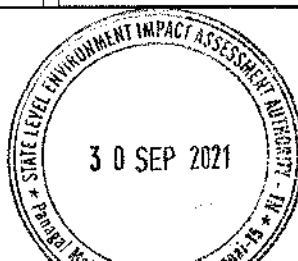
#### 2.0 Project Details

PROJECT DETAILS		
Sl. No	Description	Details
1)	Name of the Project proponent and address	M/s. TRIL Infopark Limited, Mr. K. Senthilkumar, Head - Property and Facilities Management, Ramanujan IT City, Rajiv Gandhi Salai (OMR), Chennai - 600 095



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2)	Proposed Activity	Proposed Expansion of IT Park and Change in Concept from IT building, Hotel, Residential Complex & Retail Shop (Built up area 3,75,328 Sq.m) to IT Park comprising Block A-F and Utility Block, Serviced Apartment & Conventional Centre (Built Up area 6,65,940 Sq.m) by M/s. TRIL Info Park Limited														
3)	Schedule No.	8(b) - Township & Area Development projects														
4)	Location	Block No. 6, T.S. Nos. 2/3 & 3/2, Kanagam Village of Guindy-Mambalam Taluk & Block No. 4, T.S. No. 2/1, Thiruvanmiyur Village of Mylapore-Triplicane Taluk, Chennai District, Tamil Nadu														
	Site Coordinates	12°59'28.48"N & 80°14'50.20"E														
5)	Area of the Land	1,02,264.50 Sq.m														
6)	Built up Area	6,65,940 Sq.m (Existing EC: 3,75,328 Sq.m + Proposed: 2,90,612 Sq.m)														
7)	Brief description of the project	<p>The proposed project proposes to Expansion of IT Park and Change in Concept from IT building, Hotel, Residential Complex &amp; Retail Shop (Built up area 3,75,328 Sq.m) to IT Park comprising Block A-F and Utility Block, Serviced Apartment &amp; Conventional Centre (Built Up area 6,65,940 Sq.m)</p> <ul style="list-style-type: none"> <li>• Phase - I (IT park - Comprising of blocks A, B, C, D &amp; U) : 3 Basements + Ground + stilt + 13 Floors</li> <li>• Phase - II (IT park of blocks E &amp; F) : 3 Basements + Ground + stilt + 13 Floors</li> <li>• NPZ - Non Processing Zone (Service Apartment &amp; Convention centre) : 4 basements + Ground + service + 13 Floors</li> </ul> <p>Expected occupancies - 42555 Nos. (Existing - 28300 Nos. &amp; Additional - 14255 Nos.)</p> <table border="1"> <thead> <tr> <th>Block</th> <th>Area in sq.m</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>Processing Zone</b></td> </tr> <tr> <td colspan="2"><b>Phase - I (Existing)</b></td> </tr> <tr> <td>Basement &amp; Stilt (Basement Parking Space: 91,844 Sq.m is not included in existing EC)</td> <td>1,75,788 (83,944 + 91,844)</td> </tr> <tr> <td>Block A - Neville</td> <td>1,15,219</td> </tr> <tr> <td>Block B - Carr</td> <td>59,326</td> </tr> <tr> <td>Block C - Hardy</td> <td>58,171</td> </tr> </tbody> </table>	Block	Area in sq.m	<b>Processing Zone</b>		<b>Phase - I (Existing)</b>		Basement & Stilt (Basement Parking Space: 91,844 Sq.m is not included in existing EC)	1,75,788 (83,944 + 91,844)	Block A - Neville	1,15,219	Block B - Carr	59,326	Block C - Hardy	58,171
Block	Area in sq.m															
<b>Processing Zone</b>																
<b>Phase - I (Existing)</b>																
Basement & Stilt (Basement Parking Space: 91,844 Sq.m is not included in existing EC)	1,75,788 (83,944 + 91,844)															
Block A - Neville	1,15,219															
Block B - Carr	59,326															
Block C - Hardy	58,171															



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		Block D - Little wood	50,161				
		Block - Utility	8,507				
		<b>Total (PZ) Phase - I</b>	<b>4,67,172</b>				
			<b>(Earlier EC obtained - 3,75,328 Sq.m)</b>				
		<b>Phase - II (Proposed-already)</b>					
		Basement & Stilt	67,668				
		Block E - Infinity	37,053				
		Block F - Cambridge	66,505				
		<b>Total (PZ) Phase - II</b>	<b>1,71,226</b>				
		<b>Total (PZ) Phase I &amp; II</b>	<b>6,38,398</b>				
		<b>Non-Processing Zone (Proposed already)</b>					
		Basement	7,656				
		Superstructure	19,886				
		<b>Total (NPZ)</b>	<b>27,542</b>				
		<b>Overall Development (PZ+NPZ)</b>	<b>6,65,940</b>				
8)	Parking area	<b>Location of Parking</b>	<b>Area in Sq.m</b>	<b>Car (Nos)</b>	<b>Car for PH (Nos)</b>	<b>Bikes (Nos)</b>	<b>Bus (Nos)</b>
		<b>Existing - PZ-I (IT Park)</b>					
		Surface	10584.00	448	21	290	18
		Ground - LS	33748.72	180	280	1322	-
		Stilt - US	30074.12	355	96	2421	-
		Basement I	37777.73	1013	-	1345	-
		Basement II	35399.22	760	-	1495	-
		Basement III	38788.37	815	-	1127	-
		<b>Total (A)</b>	<b>186372.16</b>	<b>3571</b>	<b>397</b>	<b>8000</b>	<b>18</b>
		<b>Expansion - PZ-II (IT Park)</b>					
		Surface	3840.00	41	-	-	-
		Ground - LS	12660.02	-	100	346	-
		Stilt - US	9408.78	95	45	115	-
		Basement	15199.92	435	-	1043	-



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		Basement II	15643.28	289	-	786	-
		Basement III	16321.94	441	-	624	-
		<b>Total (B)</b>	<b>73073.94</b>	<b>1301</b>	<b>145</b>	<b>2914</b>	<b>-</b>
		<b>Expansion – NPZ</b>					
		Surface	907	-	-	-	-
		Basement I	2068.35	33	3	43	-
		Basement II	2824.35	33	3	24	-
		Basement III	2068.35	14	2	210	-
		Basement IV	2120.00	8	-	89	-
		<b>Total (C)</b>	<b>9988.05</b>	<b>88</b>	<b>8</b>	<b>366</b>	<b>-</b>
		<b>Grand Total (A+B+C)</b>	<b>269434.2</b>	<b>4960</b>	<b>550</b>	<b>11280</b>	<b>18</b>
9)	Green Belt	Green belt area 15,496 Sq.m (15.15%) + OSR area 10,244 Sq.m (10.02%) = <b>Total 25,740 Sq.m (25.17%)</b>					
10)	<b>UTILITIES-WATER</b>						
	Total Water Requirement	3072 kLD					
	Fresh Water Requirement	1241 kLD (Domestic: 1069 kLD + Filter Backwash: 113.5 kLD + Canteen: 39 kLD + Laundry: 13.5 kLD + Swimming pool, Hot water generator: 6 kLD)					
	Source from where the water is proposed to be drawn	CMWSSB					
	Recycled Water	Recycled Water – 1831 kLD (Flushing: 790 kLD + Cooling Tower: 848 kLD + Wet scrubber: 70 kLD + Gardening: 123 kLD)					
11)	Waste Water						
	i) Quantity of Sewage kLD	Sewage Generation – 1831 kLD Effluent Generation (wet scrubbers blowdown) – 7 kLD					
	ii) Details of Treatment	Sewage Treatment Plant – 2080 kLD (Existing – 1330 kLD (PZ-I) and Proposed – 600 kLD (PZ-II) & 150 kLD					



  
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		<ol style="list-style-type: none"> <li>1. Coarse screen chamber</li> <li>2. Oil and grease chamber</li> <li>3. Collection / Equalization tank</li> <li>4. Fine screen chamber</li> <li>5. Anoxic tank</li> <li>6. Bio aeration tank</li> <li>7. MBR tank</li> <li>8. Sludge holding tank</li> <li>9. UV lights</li> <li>10. Treated water tank</li> <li>11. Softened water tank</li> </ol> <p>Effluent Treatment Plant (wet scrubbers blowdown) – 3 Nos. of 4 kLD capacity each (Existing – 4 kLD (PZ-I) and Proposed – 4 kLD (PZ-II) &amp; 4 kLD (NPZ)) comprising Dosing pump &amp; Dosing tank</p>
	iii) Treated Sewage & Mode of Disposal with quantity	<p>Flushing – 790 kLD</p> <p>Cooling Tower – 848 kLD</p> <p>Wet scrubber – 70 kLD</p> <p>Gardening – 123 kLD</p>
12)	<b>SOLID WASTE</b>	
	I) Municipal Solid Waste	4100 kg/day
	i) Organic waste: 2300 kg/day (Food waste)	Bio-methanation plant
	ii) Inorganic waste: 1800 kg/day	Authorized Recyclers
	iii) STP Sludge: 91.08 kg/day	Manure for gardening
13)	<b>POWER REQUIREMENT</b>	
	i) Power requirement	30 MVA from TANGEDCO (Existing - 30 MVA & Proposed - Nil)



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ii) D.G. Set	<b>Existing</b>	<b>Proposed</b>	<b>After Expansion</b>	
	13 Nos. of 2000 kVA (Processing Zone - I)	(i) 3 Nos of 1500 kVA & 3 Nos of 2000 kVA (Processing Zone - II) (ii) 2 Nos of 1500 kVA (Non Processing Zone)	(i) 13 Nos. of 2000 kVA (Processing Zone - I) (ii) 3 Nos of 1500 kVA & 3 Nos of 2000 kVA (Processing Zone - II) (iii) 2 Nos of 1500 kVA (Non Processing Zone)	
iii) Stack Height	<b>Description</b>	<b>Existing PZ-I (Stacks 1-13)</b>	<b>Proposed Expansion PZ-II (Stacks 14-19)</b>	<b>Proposed Expansion NPZ (Stacks 20-21)</b>
	<b>Stack height in m</b>			
	➤ Above the roof	5	5	5
	➤ Above the ground level	27	40	47.5
	<b>Stack to R or C</b>			
➤ Inside circle dimensions of the stack at top in mm	C 400	C 400 and 350	C 400 and 350	
	<b>Existing PZ-I</b>	<b>Proposed Expansion PZ-II</b>	<b>Proposed Expansion NPZ</b>	
No. of Stack from DG to Scrubber	1-13	14-19	20-21	



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		No. of Stack from scrubber	5	2	1
14)	Provision for rain water harvesting	Percolation pits – 100 Nos. Rain water sump capacity – 2775 KL			
15)	Project Cost	Rs.2482.84 Crores (Existing EC: Rs.2000 Crores + Proposed: Rs.482.84 Crores)			
16)	EMP Cost	For Operation Phase: Capital Cost – Rs. 4366 Lakhs Operating Cost – Rs. 207 Lakhs			
17)	CER activities with the specific allocation of funds	Rs. 3.75 Crores will be spent towards CER			

The proponent has furnished affidavit in One Hundred Rupees stamp paper attested by the Notary stating that

I, Mr. K.Senthilkumar, Head-Property & Facilities management of M/s. TRIL INFOPARK Limited ("Company") located at Ramanujan IT City, Block No.6, T.S No: 2/3, 3/2, Kanagam Village, Mambalam- Guindy Taluk and Block No. 4, T.S No. 2/1, Thiruvanmiyur Village, Mylapore-Triplicane Taluk, Tamil Nadu State, hereby take oath and state as under in this affidavit:

1. That I am and duly authorised vide Board resolution dated 22<sup>nd</sup> March 2011 to represent M/s. TRIL INFOPARK LIMITED.
2. As per CER OM F.No. 22-65/2017-IA.III dated: 01.05.2018, proponent need to spend 0.75% of the total project cost (expansion)-482.84 Crores (>100 crores to <500 crores for brown field projects) for CER activities which is 3.62 Crores. As per the Latest OM F.No. 22-65/2017-IA.III dated: 30.09.2020, M/s. TRIL INFOPARK LIMITED will spend Rs. 3.75 Crores (Rupees Three Crores Seventy Five Lakhs Only) for COVID-19 Management to M/s. Voluntary Health Services Hospital, ("VHS") Tharamani under CER fund and detailed road map for activity will be done in co-ordination VHS in next three years (2021-2024) as follow:

S.No.	Activities	CER Funds (in INR crores)		
		2021-22	2022-23	2023-24
1	Construction of 49 Beds facility which including the Civil	40,00,000	35,00,000	NIL



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	Plumbing, Electrical Works (excluding the Modulus/Super Structure) for the treatment of COVID patients (approx. 9,000 sq ft area)			
2	Construction of a new Hospital Building in the Campus to treat the COVID Patients (approx. 10,000 sq ft area)	1,00,00,000	1,00,00,000	1,00,00,000
	Sub Total	1,40,00,000	1,35,00,000	1,00,00,000
	Grand Total	3,75,00,000 or 3.75 Crores		

(Rupees Three Crores Seventy-Five Lakhs Only)

I, the above named deponent to hereby verify that the statement made by me under para 1 & 2 is true and correct to the best of my knowledge and belief. Nothing is false and nothing is concealed in it. Company shall be responsible for any misrepresentation of facts.

### 3.0 Project Appraisal and Environment Clearance

- i. The project activity is covered in 8(b) of the Schedule and is of B category. It does not require Public Consultation as per Para 7 III Stage (3) (i) (d) of EIA Notification, 2006. Based on the application made in Form-1, Form-IA, EIA Report, Annexures and the additional clarifications furnished by the proponent, 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.
- ii. 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

“In case the project or activities requiring prior EC under EIA Notification, 2006 from the concerned regulatory authority are 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



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level only". Accordingly, the proponent was addressed to submit the proposal to MoEF & CC for EC under violation category.

- iii. Subsequently, MoEF&CC issued another notification S.O.1030 (E) dated 08.03.2018, "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".
- iv. ToR issued by SEIAA-TN vide Letter No. SEIAA-TN/F.No.7268/Violation/ToR-800/2020 dated: 03.11.2020.
- v. The Proponent submitted Online Application No: SIA/TN/MIS/60318/2018 Dated: 29.01.2021 (EC) and EIA report to SEIAA-TN on 12.02.2021 for the consideration of EC under violation notification.
- vi. The proposal was placed in the 212<sup>th</sup>, 220<sup>th</sup>, 225<sup>th</sup> & 226<sup>th</sup> SEAC meetings held on 04.05.2021, 20.07.2021, 13.08.2021 & 17.08.2021 respectively. The technical team inspected the project site on 30.06.2021.

The subject was placed in this 225<sup>th</sup> meeting of SEAC held on 13.08.2021 for appraisal for seeking Environmental clearance under violation. The SEAC assed the project based on Ecological damage, remediation plan and natural & community resource augmentation plan prepared and submitted by the NABET consultant on behalf of the proponent as per the guidelines mentioned in the MoEF & CC Notifications dated:14.03.2017 and 08.03.2018. The extract from the report is as follows:

Details	Existing Project (As per EC issued)	Proposed (violation)	After Expansion
Total land area	1,02,264.50 Sq.m	No change in land area	1,02,264.50 Sq.m
Built-up Area	3,75,888 Sq.m	2,90,612 Sq.m	6,65,940 Sq.m



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## Ecological Damage, Remediation Plan and Cost

S. No	Parameter	Activity / Source	Impact Cause	Remediation Plan	Remediation Cost in INR
1	Change of Topography	Since the Site was coming under Institutional Zone and obtained approval as per EC 2009	NA	NA	--
2	Deforestation	Since the Project Site area obtained EC on 2009	NA	NA	--
3	Soil Erosion	Since the Project Site area obtained EC on 2009	NA	NA	--
4	Loss of Biodiversity	Since the Project Site area obtained EC on 2009	<ul style="list-style-type: none"> <li>Proposed project is coming under the Institutional Zone as per CMDA land use.</li> <li>Few trees are cutted for the proposed expansion.</li> <li>A Guindy national park is located at ~ 1.08 km (NW) from the Project Site.</li> </ul>	NA	-



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5	Air Environment	<ul style="list-style-type: none"> <li>• DG Sets</li> <li>• Transportation</li> </ul>	<ul style="list-style-type: none"> <li>• Dust Generation</li> <li>• Particulate matter smaller than 10 microns, can settle in the bronchi and lungs and cause health problems like Bronchitis, Emphysema, Bronchial Asthma, Irritation of mucus Membranes of eyes, etc.</li> <li>• Particles smaller than 2.5 micrometers (PM2.5), tend to penetrate into the lungs and very Small particles (&lt; 100 nanometers) may pass through the lungs to affect other organs. Vehicle emission can also create various health problems on human being.</li> <li>• Dust deposition on vegetation and nearby human settlements.</li> </ul>	<ul style="list-style-type: none"> <li>• Green belt development and maintenance in OMR for a stretch of 10 Km near project site.</li> <li>• Green belt development and maintenance at Velachery, Perungudi, Tharamani, Thiruvanmiyur and Indira Nagar MRTS stations.</li> </ul>	<p>Estimated cost @Rs. 100,000 per Km. Sub total = Rs.10,00,000</p> <p>Estimate cost @Rs.500,000 per Station Subtotal = Rs.10,00,000 Total cost for Air Pollution Management = Rs.20,00,000</p>
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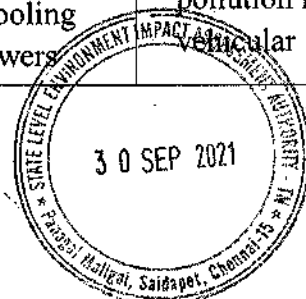
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6	Water Environment	a) Water usage b) Sewage	<ul style="list-style-type: none"> <li>• Domestic sewage from the employees is the major parameters of consideration during the operation phase.</li> <li>• The wastewater when discharged untreated can affect the DO concentrations of the receiving bodies.</li> <li>• The most significant problem is contamination of groundwater by the wastewater which can leach out of the soil &amp; pollute the groundwater.</li> </ul>	<ul style="list-style-type: none"> <li>• Providing Drinking Water RO system and maintain the same in The Voluntary Health Services</li> </ul>	Sub total Rs.60,000
				<ul style="list-style-type: none"> <li>• Providing Drinking water RO system and maintaining the same in Tharamani Government School and Government Higher Secondary School Velachery</li> </ul>	Sub total Rs.60,000 each = Rs.120,000
				<ul style="list-style-type: none"> <li>• Providing Rs.40,00,000 To TN Government towards Adyar River Restoration programme</li> </ul>	Rs. 40,00,000
				<ul style="list-style-type: none"> <li>• Providing Rainwater harvesting recharge pits in Tharamani Government School and Government Higher Secondary</li> </ul>	Sub total Rs.200,000 for each school  Total cost for Water Pollution management = Rs. 4,580,000



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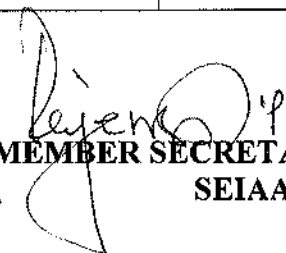
				School Velachery	
7	Soil Environment	<ul style="list-style-type: none"> <li>• Municipal solid waste</li> <li>• Hazardous waste &amp; other waste generation</li> </ul>	<ul style="list-style-type: none"> <li>• The source of Municipal solid waste in the Project Site will be from the domestic use.</li> <li>• The various hazardous wastes generated from process are spent oil from the DG sets and discarded bags.</li> <li>• E-waste, Battery waste will be generated.</li> </ul>	<p>Providing 10 No. of Municipal bins and pamphlets regarding segregation of waste to Central Polytechnic College, Tharamani, One bin to Primary Health Centre and one bins Oggiyamduraip akkam, Government Social Welfare hospital Perungudi.</p> <p>Providing awareness campaign regarding segregation of waste and household composting system In Tharaman and Adyar Areas</p>	<p>Subtotal Rs.10,000 per bin Sub total Rs.100,000</p> <p>Rs. 50,000 per campaign Sub Total Rs.100,000 Cost for Soil pollution control = Rs.2,00,000</p>
8	Noise Environment	<ul style="list-style-type: none"> <li>• DG Sets</li> <li>• Chillers</li> <li>• Cooling towers</li> </ul>	<ul style="list-style-type: none"> <li>• The major source of noise pollution is Vehicular</li> </ul>	Green belt development covered in Air Pollution	Nil



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		<ul style="list-style-type: none"> <li>• Vehicular Movements</li> </ul>	<p>movements, DG sets, Cooling towers and chillers plant.</p> <ul style="list-style-type: none"> <li>• Noise nuisance causes discomfort and health related issues to those who work at the site and those who reside in the neighboring area.</li> </ul>	control	
9	Biological Environment	Since the industry was already well established before 2008	<ul style="list-style-type: none"> <li>• Proposed project is coming under the notified industrial area.</li> <li>• Since the site was already well established before 2008, there is no felling of trees</li> <li>• The project area is mainly barren land devoid of large trees and mainly consists of scattered and sparse vegetation. However, their population is quite small and isolated in the buffer area.</li> </ul>	Providing Rs.10,00,000 to TN Government, towards maintaining Guindy Children's Park.	
				Providing Rs.4,00,000 to CMDA for Maintaining Kanagam Government Park	
				Providing Rs.10,04,500 to CMDA for desilting and maintaining Velachery lake.	Cost for maintaining Biological environment = Rs. 24,04,500



  
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			extinct flora and fauna species found in the study area. There is no Migration of wildlife and overall disruption of the ecology of the area.		
10	Occupational Health	IT park	<ul style="list-style-type: none"> <li>• Accident is Major issue due to the growing vehicular movement</li> <li>• The other major health issue is mental health due to the stress, migration, unable to adaptability of new environments, windfall gain from assets. Also it increases the crime rate.</li> </ul>	Providing Government Urban Primary Health Centre at Oggiamduraip akkam and Government Social Welfare Hospital, Perungudi for Purchasing health care equipments	Cost for Occupational Health Rs.1,988,750
11	Socio economic	IT park	<ul style="list-style-type: none"> <li>• The area needs more passenger shelters at bus stops and appropriate road signs to be placed at conspicuous</li> </ul>	Providing Solar Street lamps at Government Urban Primary Health Centre at Oggiamduraip akkam and Government Social Welfare Hospital.	Sub total Rs.297,750



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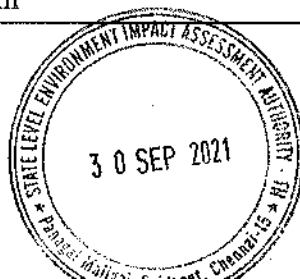
		places. • Predicting and evaluating the various significant impacts that are likely to occur. The impacts on the environmental indices	Perungudi	
			Providing Solar street lamps at Guindy Childrens Park	Rs. 1, 00,000
			Providing Solar lighting at Tharamani and Thiruvanmiyur MRTS stations	Rs.5,00,000 for each station Total cost Under Socio Economic Environment = Rs. 8,97,750
Total cost proposed under Ecological Remediation plan is INR 12071000/- Say 1.2071 Crores				

## Natural Resource Augmentation Plan

S. No	Activity	Year wise Implementation and Budgetary provision (Rs.) in Lakhs		
		Year 1 (2021)	Year 2 (2022)	Year 3 (2023)
1	Development of Greenery in the surrounding area and maintaining Government Parks in Tharamani Village	3.015	3.00	2.0
2	Provision of drinking water facilities through Water tankers to Government Schools in Velachery and Perundurai	4.03	3.039	3.0
3	Renovation of 10 Km stretch of Buckingham Canal near project site.	3.05	4.10	5.050
4	Providing to TN Government towards maintaining Pallikaranai Marsh	6.00	7.00	5.00
Sub Total		16.095	17.139	15.050
Grand Total		48.284		

## Community Augmentation Plan

S. No	Description	Year wise Implementation and Budgetary provision (Rs.)		
		Year 1 (2021)	Year 2 (2022)	Year 3 (2023)
1	Construction of sanitation facilities to Government School and Polytechnic college at Adyar and Tharamani	12.0	4.226	-



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2	Providing amount towards development of Science Laboratory at Government Higher Secondary School, Velachery and Government Higher Secondary School, Adyar	15.0	4.0	5.0
3	Providing scholarship for 25 no of students from Government schools for scoring high marks in 10 <sup>th</sup> and 12 <sup>th</sup> Board exams for future studies	5.0	10.0	17.2
Sub Total		32	18.226	22.200
Total		72.426		

## Total Budget proposed for Damage Assessment

S. No	Name of the area	Budget (Rs in Lakhs)
1	Estimation cost for remediation plan based on the Damage Assessment due to violation	120.71
2	Natural Resource Augmentation Plan	48.284
3	Community Resource Augmentation Plan	72.426
4	Penalty towards Violation @ 0.25% of project cost	120.71
Grand total		362.13 say 3.62 crores

## Note:

CMDA completion certificate obtained in 02.01.2019. Therefore it is budgeted as per Low level ecological damages- INR 3.62 crores

Corporate Environmental Responsibility:

Sl.No	Activities	CER funds (in INR crores)		
		2021-22	2022-23	2023-24
1	Sewage treatment Plant-50 KLD	40,00,000	0	0
2	Storm water drainage prior to Road Construction	26,00,000	36,00,000	30,00,000
3	Providing a new 1000 LPH RO system (Inlet & Outlet)	15,00,000	0	0
4	Roads construction within Campus (from Main gate to all buildings, Mortuary to the main Gate)	32,00,000	32,00,000	34,00,000
5	Slab and Stilt for Medicab	20,00,000	20,00,000	20,00,000
6	Ramp for Patients	40,00,000	30,00,000	0
		17,300,000	11,800,000	8,400,000
		37,500,000 Say 3.75 Crores		



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Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:

1. Low level Ecological damage:
  - a. Only procedural violations (started the construction at site without obtaining EC)
2. Medium level Ecological damage:
  - 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:
  - a. Procedural violations (started the construction at site without obtaining EC)  
Infrastructural violation such as deviation from CMDA/local body approval.
  - b. Under Operation (occupied).

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

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 project proponent, the SEAC decided the fund allocation for Ecological remediation, natural resource augmentation & community resource augmentation and CER by following the below mentioned criteria, as per category 3, stated above.

For the project cost, the proponent has submitted the building valuation report for violated area Dated: 04.09.2021 from the Chartered Engineer (No: 157684). In that certificate it is given as follows



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Area of additional building constructed without EC- 2,90,612 Sq.m

Cost of building per Sq.m. - Rs. 16,614.59/-

Sl.No	Cost of the violated building area	Value INR (in Crores)
	(Area of additional building constructed) X (Cost of building per Sq.m.) 1. =2,90,612 Sq.m X Rs.16,614.59/-	482.83 Crores

The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 3.62 Crores arrived by the EIA coordinator is not taken up which is less than the 1% of the project cost is Rs. 4.83 Crores as per SEAC Norms.

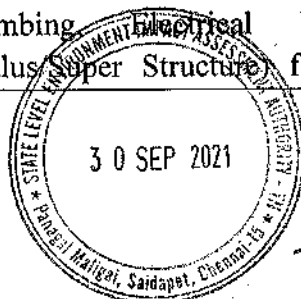
Hence the total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 4.83 Crores.

The committee noted that the proponent has originally proposed for creating the facilities/supplying the vaccination for poor people through the VHS, Chennai-113. However in this presentation the project proponent has presented construction of STP and cost of infrastructure as the CER activities and the committee noted that the proposed activity do not fall under CER activities as per the OM of MoEF dated 1<sup>st</sup> May 2018. Hence SEAC decided to instruct the project proponent to stick on to the original proposal of providing/supporting the COVID-19 related activities through the VHS and accordingly present the CER activities and an undertaking to that effect may be submitted to SEIAA office.

After detailed discussion the SEAC has decided to call the proponent for representation in one of the forthcoming meetings.

The subject was again placed in this 226<sup>th</sup> meeting of SEAC held on 17.08.2021. The Proponent has made presentation on CER proposal has follows

S.No.	CER Activities	CER Funds (in INR Crores)		
		2021 - 22	2022 - 23	2023 - 24
1.	Construction of 49 Beds facility which including the Civil Works, Plumbing Electrical Works (excluding: the Modulus Super Structure) for the	0.40	0.35	-



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	treatment of COVID patients (approx. 9,000 sq ft area)			
2.	Construction of a new Hospital Building in the Campus to treat the COVID Patients (approx. 10,000 sq ft area)	1.0	1.0	1.0
	Sub- Total	1.4	1.35	1.0
	Grand Total	3.75 Crores (Rupees Three Crores Seventy Five Lakhs Only)		

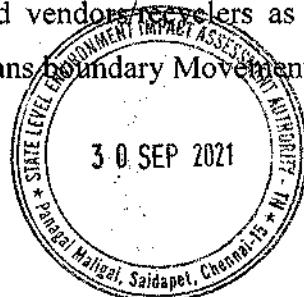
The SEAC observed that the expansion of construction of IT/ITES buildings without prior environmental clearance comes under violation project seeking environmental clearance at Block No.6, T.S.No.2/3, 3/2 Kanagam Village, Mambalam - Guindy Taluk, & Block No.4, T.S. No.2/1 Thiruvanmiyur Village, Mylapore Triplicane Taluk, Chennai District, Tamil Nadu by M/s. TRIL Info Park Limited which is categorised under the "high level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following conditions in addition to the normal conditions:

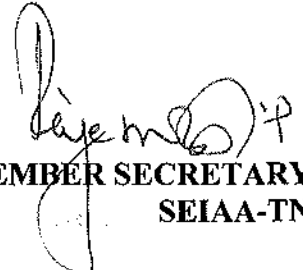
1. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.
2. Accordingly, the amount prescribed for Ecological remediation (Rs.2.415 Crores), natural resource augmentation (Rs.0.966 Crore) & community resource augmentation (Rs.1.449 Crore), totaling Rs.4.83 Crores. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.4.83 Crores in the form of bank guarantee to TamilNadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.



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3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
4. The amount committed by the Project proponent for CER (Rs.3.75 Crores) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
5. The Project proponent shall operate the STP effectively and continuously so as to achieve standards prescribed by the TNPCB for treated sewage.
6. The Project proponent shall utilize the treated sewage for the development of green belt and toilet flushing after achieving the standards prescribed by the TNPCB.
7. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated:30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of 3.75 Crores to be remitted before the issue of Environmental clearance as imposed in the condition No.3
8. The project proponent shall develop and furnish photographs of green belt developed incorporating native species adopting Miyawaki scheme with native species inside the proposed project site, excluding the ornamental plants before obtaining the CTO.
9. The project proponent shall furnish revised latest AAQ data & meteorological data pertaining to the proposed project site before obtaining the CTO.
10. The project Proponent shall provide OWC for disposal of bio degradable solid waste. The project Proponent shall operate the same efficiently and continuously for the disposal of the Organic waste generated from the campus. The non-biodegradable waste shall be regularly collected and disposed through TNPCB authorized recycler.
11. The Project proponent shall collect & dispose the hazardous waste through TNPCB Authorized vendors/recyclers as per the Hazardous and other wastes (Movement and Transboundary Movement), Rules 2016.



  
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12. The Project proponent shall collect and dispose the E-Waste through TNPCB Authorized vendors/recycler as per the E-Waste Management Rules 2016.
13. Necessary permission shall be obtained from the competent authority for the draw/outsourcing of fresh water before obtaining consent from TNPCB.
14. All the mitigation measures committed by the project proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
15. Tapping of solar energy should be atleast 10% of total energy consumption Solar energy usage mainly for the illumination of common areas, street lighting etc.,
16. The project proponent shall provide separate stand by D.G set for the STP proposed for the continuous operation of the STP incase of power failure.
17. Waste of any type not to be disposed of in any water bodies including drains, canals and the surrounding environment.
18. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
19. The proponent shall furnish the detail about the built-up area for all the buildings with floor wise to TNPCB every year along with the compliance report for the Environmental Clearance.

Any violations and subsequent suitable action may be decided by SEIAA, as deemed appropriate, if arises.

**Recommendation of SEIAA:**

The proposal was placed in the 460<sup>th</sup> Authority meeting held on 14.09.2021. After detailed discussion, the Authority decided to request the Member Secretary, SEIAA-TN to address the proponent to furnish the following details and place proposal in ensuing Authority meeting after receipt of the said details.

1. Accordingly, the amount prescribed for Ecological remediation (Rs.2.415 Crores), natural resource augmentation (Rs.0.966 Crore) & community resource augmentation (Rs.1.449 Crore), totaling Rs.4.83 Crores. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.4.83 Crores in



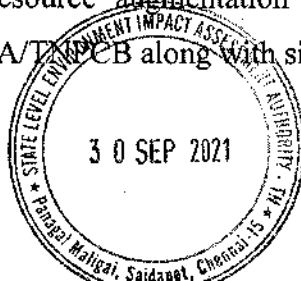
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the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

2. The amount committed by the Project proponent for CER (Rs.3.75 Crores) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
3. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated:30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of 3.75 Crores to be remitted before the issue of Environmental clearance as imposed in the condition No.3
4. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

The project proponent vide its letter dated 20.09.2021 received on 21.09.2021 has furnished the following:

1. Copy of the acknowledgement towards submission of Bank Guarantee for Rs.4.83 crore (B.G.No.0999921BG0001066, State Bank of India dated 20.09.2021, towards ecological damage remediation plan, natural resource augmentation plan and community resource augmentation plan as indicated in the EIA/EMP report to the office of DEE/TNPCB/Chennai.
2. Copy of the receipt towards submission of Rs.3.75 crores under CER to M/s.Voluntary Health Services (VHS) Hospital, Taramani by DD No.556424 dated: 18.09.2021 drawn in favour of VHS through SBI main branch.
3. The company will take the responsibility of monitoring and reporting of all the CER works (other than the VHS amount of 3.75 Crores). PP has furnished detailed ecological damage remediation plan, natural resource augmentation plan and community resource augmentation plan. Progress of the same will be submitted to SEIAA/TNPCB along with six monthly compliance reports.



  
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4. The proponent has reported that the credible action was initiated by TNPCB by filing case in the court of No.5-XVIII Metropolitan Magistrate, Chennai vide CNR No.TNCH0C0132222021 & Case Type: CC, Registration Number: 3249/2021 & Filing No.13220/2021 dated on 04.09.2021.

**SEIAA discussion and decision:**

The subject was placed in the 463<sup>rd</sup> meeting of SEIAA held on 24.09.2021. After detailed discussion, the Authority noted as follows.

1. In the 226<sup>th</sup> SEAC held on 17.08.2021, the SEAC recommended the proposal to SEIAA for grant of post construction Environmental Clearance subject to the following conditions among others.
  - a. The amount prescribed for Ecological remediation (Rs.2.415 Crores), natural resource augmentation (Rs.0.966 Crore) & community resource augmentation (Rs.1.449 Crore), totaling Rs.4.83 Crores. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.4.83 Crores in the form of Bank Guarantee to Tamil Nadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
  - b. The amount committed by the Project proponent for CER (Rs.3.75 Crores) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.
  - c. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of 3.75 Crores to be remitted before the issue of Environmental clearance as imposed in the condition No.3
  - d. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the

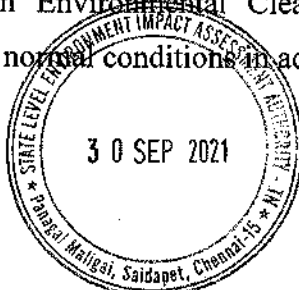


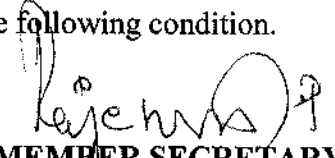
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provisions of section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

2. In the 460<sup>th</sup> Authority meeting held on 14.09.2021, the Authority requested the MS/SEIAA to obtain the additional particulars from the project proponent for the above SEAC recommendations and place the details in ensuing meeting to consider EC.
3. The project proponent vide its letter dated 20.09.2021 received by this office dated: 21.09.2021 has furnished the following.
  - a. Copy of the acknowledgement towards submission of Bank Guarantee for Rs.4.83 crore (B.G.No.0999921BG0001066, State Bank of India dated 20.09.2021, towards ecological damage remediation plan, natural resource augmentation plan and community resource augmentation plan as indicated in the EIA/EMP report to the office of DEE/TNPCB/Chennai.
  - b. Copy of the receipt towards submission of Rs.3.75 crores under CER to M/s.Voluntary Health Services (VHS) Hospital, Taramani by DD No.556424 dated: 18.09.2021 drawn in favour of VHS through SBI main branch.
  - c. The company will take the responsibility of monitoring and reporting of all the CER works (other than the VHS amount of 3.75 Crores). PP has furnished detailed ecological damage remediation plan, natural resource augmentation plan and community resource augmentation plan. Progress of the same will be submitted to SEIAA/TNPCB along with six monthly compliance reports.
4. The project proponent vide its letter dated 20.09.2021 has reported that the credible action was initiated by TNPCB by filing case in the court of No.5-XVIII Metropolitan Magistrate, Chennai vide CNR No. TNCH0C0132222021 & Case Type: CC, Registration Number: 3249/2021 & Filing No.13220/2021 dated on 04.09.2021.

In view of the above, the Authority accepted the recommendation of SEAC and decided to grant post construction Environmental Clearance subject to the conditions as recommended by SEAC & normal conditions in addition to the following condition.



  
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1. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
2. Treated / untreated effluent shall not be discharged into any water bodies.

Part-A: Common conditions applicable for Pre-Operation and Operational Phases

Part-B: Conditions for Pre-Operation Phase.

Part-C - Specific Conditions – Construction phase

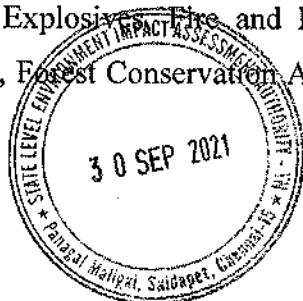
Part-D - Specific Conditions – Operational Phase/Post constructional Phase / Entire life of the project.

**Validity:**

**The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:**

**Part - A – Common conditions applicable for Pre-construction, Construction and Operational Phases:**

1. Any appeal against this Environmental Clearance shall be 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.
2. The construction of STP, Solid Waste Management facility, E-waste management facility, DG sets, etc., should be made in the earmarked area only. In any case, the location of these utilities should not be changed later on.
3. The Environmental safeguards contained in the application of the proponent /mentioned during the presentation before the State Level Environment Impact Assessment Authority / State Level Expert Appraisal Committee should be implemented in the letter and spirit.
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)



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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.

5. The SEIAA reserves the right to add additional safeguard measures subsequently, if non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.
6. A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.
7. The environmental statement for each financial year ending 31<sup>st</sup> 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. The status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chennai by e-mail.
8. 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.
9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The 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, including the Hon'ble National Green Tribunal relating to the subject matter.



  
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12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. 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.
14. 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, Chennai, the respective Zonal Office of CPCB, Bengaluru and the TNPCCB. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored.
15. 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.
16. The Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance.
17. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection, even during the subsequent period.
18. 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.
19. Where the trees need to be cut, compensation plantation in the ratio of 1:10 (i.e. planting of 10 trees for every one tree that is cut) should be done with the obligation to continue maintenance.



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20. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
22. Trees, herbs and shrubs listed should not be disturbed during any phase of the project.
23. Necessary permission should be obtained from PWD/Wetland Authority, Tamil Nadu before commencement of the project.
24. The EMP cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually
25. The proponent should strictly comply with, Tamil Nadu Government Order (Ms) No.84 Environment and forests (EC.2) Department dated 25.06.2018 regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986
26. The proponent shall furnish the permission/ NOC of water supply from the competent authority before obtaining CTO from TNPCB.
27. The Project Proponent has to provide rain water harvesting pits 100 Nos. and the rainwater collection sump of capacity 2775 KL in order to recover and reuse the rain water during normal rains as reported
28. The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
29. As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the operation, if the project site is located within 10KM from National Park and Sanctuaries.
30. The Environmental Clearance is issued based on the documents furnished by the project proponent. In case any documents found to be incorrect/not in order at a

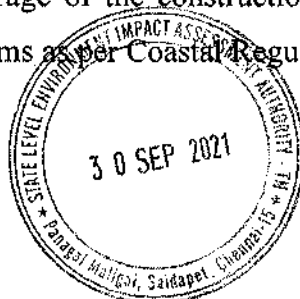


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later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.

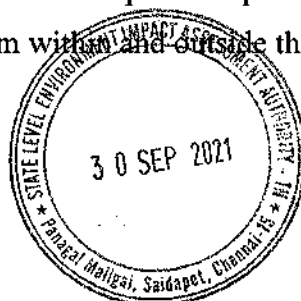
**Part - B – Specific Conditions – Pre construction phase:**


1. **The project authorities should advertise with basic details at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of clearance. The press releases also mention that a copy of the clearance letter is available with the State Pollution Control Board and also at website of SEIAA, TN. The copy of the press release should be forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA-TN.**
2. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
3. **A copy of the clearance letter shall be sent by the proponent to the Local Body. The clearance letter shall also be put on the website of the Proponent.**
4. 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 before commencement of the work.
5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. No construction activity of any kind shall be taken up in the OSR area.
9. Consent of the local body concerned should be obtained for using the treated sewage in the OSR area for gardening purpose. The quality of treated sewage shall satisfy the bathing quality prescribed by the CPCB.
10. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.



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11. The basement of the building shall be above the maximum flood level documented by the Water Resource Department, PWD, Government of Tamil Nadu in consultation with the CMDA.
12. The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details
  - i. Location of STP, compost system, underground sewer line.
  - ii. Pipe Line conveying the treated effluent for green belt development.
  - iii. Pipe Line conveying the treated effluent for toilet flushing
  - iv. Water supply pipeline
  - v. Gas supply pipe line, if proposed
  - vi. Telephone cable
  - vii. Power cable
  - viii. Storm water drains, and
  - ix. Rain water harvesting system, etc., and it shall be made available to the owners
13. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
14. The structural design of the proposed building must be vetted by premier academic institutions like Anna University, IIT Madras, etc., and the fact shall be informed to SEIAA.
15. There shall not be any threat to the biodiversity due to the proposed development.
16. The present land use surrounding the project site shall not be disturbed at any point of time.
17. The green belt area shall be planted with indigenous native trees.
18. Natural vegetation listed particularly the trees shall not be removed during the construction/operation phase. In case any trees are likely to be disturbed, shall be replanted.
19. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.



  
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20. The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
21. There should be Fire fighting plan and all required safety plan.
22. Regular fire drills should be held to create awareness among owners/ residents.

**Part - C - Specific Conditions – Construction phase:**

**1. Construction Schedule:**

- i) The Project proponent shall have to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.

**2. Labour Welfare:**

- i) 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.
- ii) 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 contradictions due to exposure to dust and take corrective measures, if needed.
- iii) 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.

**3. Water Supply:**

- i) The entire water requirement during construction phase may be met from ground water source from the source with approval of the PWD Department of water resources/ may be out sourced.
- ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc.



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The housing may be in the form of temporary structures to be removed after the completion of the project.

- iii) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The treatment and disposal of waste water shall be through dispersion trench after treatment through septic tank. The MSW generated shall be disposed through Local Body and the identified dumpsite only.
- iv) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices prevalent.
- v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.

**4. Solid Waste Management:**

- i) The solid waste in the form of excavated earth excluding the top soil generated from the project activity shall be scientifically utilized for construction of approach roads and peripheral roads, as reported.

**5. Top Soil Management:**

- i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.

**6. Construction Debris disposal:**

- i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring communities and be disposed off only in approved sites, with the approval of Competent Authority with necessary precautions for general safety and health aspects of the people. The construction and demolition waste shall be managed as per Construction & Demolition Waste Management Rules, 2016.
- ii) Construction spoils, including bituminous materials and other hazardous materials, must not be allowed to contaminate watercourses. The dump sites for such materials must be secured so that they should not leach into the adjacent land/ lake/ stream.



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**7. Diesel Generator sets:**

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.
- ii) The diesel required for operating stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of Explosives shall be taken.
- iii) The acoustic enclosures shall be installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower, etc.

**8. Air & Noise Pollution Control:**

- i) Vehicles hired for bringing construction materials to the site should be in good condition and should conform to air and noise emission standards, prescribed by TNPCB/CPCB. The vehicles should be operated only during non-peak hours.
- ii) Ambient air and noise levels should conform to residential standards prescribed by the TNPCB, both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during the construction phase. The pollution abatement measures shall be strictly implemented.
- iii) 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. Parking plan to be as per CMDA norms. The traffic department shall be consulted and any cost effective traffic regulative facility shall be met before commissioning.
- iv) The buildings should have adequate distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.
- v) The background noise levels prevailing at the site already exceeds permissible noise levels. Hence, the proponent should develop thick greeneries all around the project boundary in order to contain the noise levels.



**9. Building material:**

- i) Fly-ash blocks should be used as building material in the construction as per the provision of Fly ash Notification of September, 1999 and amended as on 27<sup>th</sup> August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.
- ii) Ready-mix concrete shall alone be used in building construction and necessary cube-tests should be conducted to ascertain their quality.
- iii) Use of glass shall be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, high quality double glass with special reflecting coating shall be used in windows.

**10. Storm Water Drainage:**

- i) Storm water management around the site and on site shall be established by following the guidelines laid down by the storm water manual.

**11. Energy Conservation Measures:**

- i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.
- iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.
- v) 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.



*Rijendra*  
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- vi) Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.

**12. Fire Safety:**

- i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.
- ii) Proper and free approach road for fire-fighting vehicles upto the buildings and for rescue operations in the event of emergency shall be made.

**13. Green Belt Development:**

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The project proponent has to develop thick greeneries all round the project boundary in order to contain the noise levels.

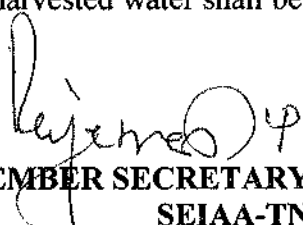
**14. Sewage Treatment Plant:**

- i) The Sewage Treatment Plant (STP) & Effluent Treatment plant (ETP) installed should be certified by an independent expert/ reputed Academic institutions for its adequacy and a report in this regard should be submitted to the SEIAA, TN before the project is commissioned for operation. Explore the less power consuming systems viz baffle reactor, etc., for the treatment of sewage.
- ii) The Proponent shall install STP & ETP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.

**15. Rain Water Harvesting:**

- i) The proponent/ Owner of the Flats shall ensure that roof rain water collected from the covered roof of the buildings, etc shall be harvested so as to ensure the maximum beneficitation of rain water harvesting by constructing adequate sumps so that 100% of the harvested water shall be reused.



  
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- ii) Rain water harvesting for 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, etc. The Proponent shall provide adequate number of bore wells / percolation pits/ etc. as committed. The bore wells / percolation pits/ etc. for rainwater recharging should be kept at least 5 mts. above the highest ground water table.

**16. Building Safety:**

- i) Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.
- ii) The operation of demolition of the existing building should be carried out only during day time with adequate measures to contain the noise and dust in a way that it does not affect the residents who are living very close (at about 20m from the project site).

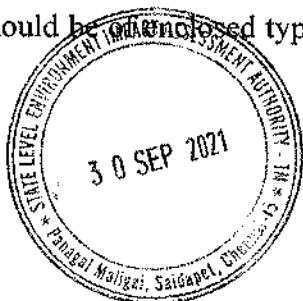
**Part – D - Specific Conditions – Operational Phase/Post constructional phase/Entire life of the project:**

1. There should be Fire fighting plan and all required safety plan.
2. Regular fire drills should be held to create awareness among owners/ residents.
3. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
4. The EMP cost shall be printed in the Brochure / Pamphlet for the preparation of the sale of the property and should also mention the component involved.
5. The Project proponent shall get due permission from the wetland Authority before the commencement of the work.
6. The project activities should in no way disturb the manmade structures
7. The Proponent shall do afforestation/ restoration programme contemplated to strengthen the open spaces shall preferably include native species along with the financial forecast for planting and maintenance for 5 years.
8. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.



  
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9. The ground water shall be drawn only after obtaining necessary permission from the Competent Authority.
10. Ground water quality to be checked for portability and if necessary RO plant shall be provided.
11. The Proponent should be responsible for the maintenance of common facilities including greening, rain water harvesting, sewage treatment and disposal, solid waste disposal and environmental monitoring including terrace gardening for a period of 3 years. Within one year after handing over the flats to all allottees a viable society or an association among the allottees shall be formed to take responsibility of continuous maintenance of all facilities with required agreements for compliance of all conditions furnished in Environment Clearance (EC) order issued by the SEIAA-TN or the Proponent himself shall maintain all the above facilities for the entire period. The copy of MOU between the buyers Association and proponent shall be communicated to SEIAA-TN.
12. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.
13. Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. The treated sewage shall conform to the norms and standards for bathing quality laid down by CPCB irrespective of any use. Necessary measures should be made to mitigate the odour and mosquito problem from STP.
14. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
15. It is the sole responsibility of the proponent that the treated sewage water disposed for green belt development/ avenue plantation should not pollute the soil/ ground water/ adjacent canals/ lakes/ ponds, etc
16. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
17. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016.
18. Diesel power generating sets proposed as source of back-up power during operation phase should be enclosed type and conform to rules made under the



  
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- Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets.
19. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
  20. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed as per the Hazardous & other Wastes (Management & Transboundary Movement) Rules 2016. Spent oil from D.G sets should be disposed off through registered recyclers.
  21. The proponent is required to provide a house hold hazardous waste /E-waste collection and disposal mechanism.
  22. The proponent/ Owner of the Flats shall ensure that storm water drain provided at the project site shall be maintained without choking or without causing stagnation and should also ensure that the storm water shall be properly disposed off in the natural drainage / channels without disrupting the adjacent public. Adequate harvesting of the storm water should also be ensured.
  23. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
  24. A copy of the Environmental clearance (EC) letter shall be made available to all the allottees along with the allotment order / sale deed.

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.

  
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**Copy to:**

1. The Principal Secretary to Government, Environment & Forests Dept,  
Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,  
CBD Cum-Office Complex, East Avenue, New Delhi - 110 032.





3. The Member Secretary, Tamil Nadu Pollution Control Board,  
76, Mount Salai, Guindy, Chennai - 600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),  
34, HEPC Building, 1<sup>st</sup> & 2<sup>nd</sup> Floor, Cathedral Garden Road, Nungambakkam,  
Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,  
Paryavaran Bhavan, CGO Complex, New Delhi - 110 003.
6. The Commissioner, Greater Chennai Corporation, Chennai.
7. Stock File.



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