

# 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 Fax No. 044-24359975

# **ENVIRONMENTAL CLEARANCE (EC)**

# Letter No. SEIAA-TN/F.No.613/EC/8(a)/775/2021 dated: 29.07.2021

To,

M/s. PSG Hosptials,
Avinashi Road, Peelamedu,
Coimbatore – 641 004.

Sir.

Sub: SEIAA, TN - Environmental Clearance under violation notification for the proposed construction of additional hospital buildings by M/s. PSG Hospitals at S.F. Nos. 298, 300/2, 306, 307 pt, 308 pt, 499, 500, 501 & 502 pt at Sowripalayam Village, Coimbatore South Taluk, Coimbatore District, Tamil Nadu - Category – "B2" and Schedule S. No. 8(a) - Issued - Regarding.

Ref: 1. MoEF & CC Notification S.O.804 (E) dated 14.03.2017

- 2. MoEF & CC Notification S.O.1030 (E) dated 08.03.2018
- Proponent application submitted to MoEF & CC for ToR under Violation Dated 13.04.2017
- 4. Application was transferred from MoEF & CC to SEIAA-TN on 18.06.2018
- ToR issued by SEIAA-TN vide Letter No.SEIAA-TN/F.No.613/SEAC-CXVII/Violation/ToR-552/2018, dated: 09.08.2018
- 6. Online Proposal No. SIA/TN/MIS/122452/2019, dated 22.10.2019
- 7. Proponent Submitted EIA report to SEIAA-TN on 22.10.2019
- 8. Minutes of the 141st SEAC Meeting held on 16.12.2019
- 9. Proponent reply dated: 23.06.2020

10. Minutes of the 164th Meeting held on 20.07.2020

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- 11. Proponent reply dated: 15.09.2020
- 12. Minutes of the 177<sup>th</sup> SEAC Meeting held on 26.09.2020
- 13. Minutes of the 407<sup>th</sup> SEIAA meeting held on 23.10.2020
- 14. Lr. No. SEIAA-TN/F.No.613/2012/BG dated: 23.10.2020
- 15. Proponent reply dated: 24.06.2021
- 16. Minutes of the 449th SEIAA meeting held on 24.07.2021
- 1.0 This has reference to your application 6<sup>th</sup> cited, wherein you have submitted proposal for obtaining Environmental Clearance for proposed construction of additional hospital buildings by M/s. PSG Hospitals under Category B2 and Schedule S.No. 8(a) 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

PRO	PROJECT DETAILS				
Sl. No	Description	Details			
1)	Name of the Project proponent	M/s. PSG Hosptials,			
	and address	Avinashi Road, Peelamedu,			
		Coimbatore – 641 004.			
2)	Proposed Activity	Proposed construction of additional hospital			
		buildings by M/s. PSG Hospitals			
3)	Schedule No.	8(a)			
4)	Project Location				
	i) Survey No	298, 300/2, 306, 307 pt, 308 pt, 499, 500, 501			
		& 502 pt			
	ii) Revenue Village	Sowripalayam			
iii) Taluk		seimbatore South			
	iv) District	Coimbatore			

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CONTRACTOR MANAGES

	v) Site Coordinates	11°1'13.36"N	77°0	21.15"E	
		11°1'14.21"N	77°0	24.70"E	
		11°1'15.15"N	77°0	24.51"E	
		11°1'15.25"N	77°0	28.35"E	
		11°1'04.81"N	77°0	29.82"E	
		11°1'04.55"N	77°0	26.67"E	
		11°1'05.11"N	77°0	26.02"E	
		11°1'04.88"N	77°0	23.73"E	
		11°1'03.89"N	77°0	'21.94"E	
		11°1'06.60"N	77°0	21.50"E	
		11°1'06.26"N	77°0	15.17"E	
		11°1'07.78"N	77°0	'14.93"E	
		11°1'08.89''N	77°0	21.53"E	
5)	Area of the Land	83,162 Sqm			
6)	Built up Area	64,501 Sqm			
7)	Brief description of the project	The project involves expansion of the hospital			
		by increasing the bed strength to 800 Nos.			
		No of Outpatients after expansion - 1000 Nos.			
		Name of Building	FSI Area (Sq.m)	Non- FSI Area (Sq.m)	Total Built up area (Sq.m)
		Old Block (G+4)	9671	5628	15299
		Semi Private Ward (G+4)	3030	4050	7080
		OPD Block (Basement+G+4)	24485	17637	42122
		Total	37186	27315	64501
8)	Parking area	13,689 Sq.m			
9)	Green Belt	18,901 Sq.m			
10)	UTILITIES-WATER				
	Total Water Requirement	488 ALD		4	
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-	Total Fresh Water	331 kLD		
	Requirements			
	a)Source from where the water	Bhavani River (PWD)		
	is proposed to be drawn			
	i) Toilet Flushing (Recycled	157 kLD		
	Water)			
11)	Waste Water			
	i) Quantity of Effluent /	Quantity of effluent generation: 80 kLD		
	Sewage kLD	Quantity of sewage generation: 383 kLD		
	ii) Details of Treatment	ETP: 200 kLD Components:-		
	A	i. Collection cum Equalization Tank		
		ii. Coagulation cum Settling Tank		
		iii. Aeration Tank		
	4	iv. Settling Tank - II		
		v. Sludge Drying Beds		
		vi. Pressure Sand Filter		
	6	vii. Activated Carbon Filter		
	131	viii. UV System		
		ix. Treated Water Tank		
		Common STP: 2000 kLD Components:-		
		i. Screening		
		ii. Collection Tank		
		iii. UASBR		
		iv. Anoxic Unit		
		v. SBR Tank		
		vi. Sludge Drying Beds		
		vii. Pressure Sand Filter		
		viii. Activated Carbon Filter		
		ix. Disinfection		
		x. Treated Water Tanks		
		Common STP capacity of 2000 kLD to treat		
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		the sewage generated from the hospital as well
		as medical college and associated institutions
		located adjacent to the campus
	iii) Treated Sewage & Mode of	The treated wastewater of 383 kLD is reused
	Disposal with quantity	for Toilet Flushing (157 kLD) and Greenbelt
		Development (66 KLD) within the facility. The
		excess treated sewage of 160 kLD & treated
		effluent of 80 kLD is disposed through the
		underground sewer of Corporation
12)	SOLID WASTE	
	I) Municipal Solid Waste	710 Kg/day
	i) Biodegradable waste:	Bio-gas plant
	426 Kg/day	學的學學
	ii) Non-Biodegradable waste:	Authorized Recyclers
	284 Kg/day	-(O)(g)
	iii) STP Sludge:	Manure in landscaping
	100 Kg/day	CYAR
	iv) ETP Sludge:	Cement plant as AFR
	50 Kg/day	TAI
	v) Bio medical waste:	Disposed to TNPCB authorized bio medical
	600 Kg/day	waste management facility, M/s. Tekno Therm
		Industries, Orattukuppai, Coimbatore
13)	POWER REQUIREMENT	
	i) Power requirement	1475 kVA from TANGEDCO
	ii) D.G. Set	1 No. of 1010 kVA,
		1 No. of 500 kVA
	iii) Stack Height	32 m for 1 No. of 1010 kVA,
		32 m for 1 No. of 500 kVA
14)	Project Cost	Rs. 55.47 Crores
15)	EMP Cost	For Operation Phase:
		Capital Cost – Rs. 543 Lakhs
	Jan 1 1	Operational Cost – Rs. 62.5 Lakhs per annum
	Trade.	

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

# FOR DRAWL OF FRESH WATER SUPPLY, SEWAGE DISPOSAL, SOLID WASTE DISPOSAL, CURRENT STATUS OF THE SITE, STP OPERATION, STORM WATER MAINTENANCE, CER COST FOR THE PROJECT UNDER APPRAISAL IN STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

I, V. Jaganathan, represent M/s. PSG Hospital, as General Manager – Admin. Of the concern, having reg. office at Post Box No.1609, Avinashi Road, Peelamedu, Coimbatore – 641004 has constructed additional hospital building in the existing hospital campus located at S.F. No. 298, 300/2, 306, 307 Pt, 308 Pt, 499, 500, 501 & 502 Pt, Sowripalayam village, Coimbatore south Taluk, Coimbatore District. An application submitted by us seeking Environmental Clearance under the EIA Notification, 2006 is under scrutiny in the Authority. I am furnishing the following undertaking to the Authority.

#### I / We Sworn that

- 1. We shall supply the daily fresh water requirement of 331 KLD during the entire period of operation as per the agreement made with PWD. Based on the above agreement, I hereby undertake and commit that required water for the entire operation period will be obtained from the above Authority and supplied before commission the project. I will assure that the project will be commissioned, only after providing required water supply for the whole project as committed.
- 2. About 383 KLD of sewage water from toilets, bathroom & kitchen will be treated in existing combined STP having capacity of 2000 KLD. Part of the treated sewage of about 157 KLD will be reused for toilet flushing, about 66 KLD will be reused for greenbelt development and about 160 KLD will be disposed through UGD line. About 80 KLD of Effluent from lab, operation theatre and laundry will be treated in existing combined ETP having capacity of 200 KLD and entire quantity of treated effluent will be disposed through UGD line. The treated sewage and effluent will meet the standards prescribed by the CPCB. The treated/untreated sewage or effluent shall not find any water body at any point of time.

- 3. The biodegradable waste of 426 kg/day shall be treated by Bio-methanation and non-biodegradable waste of 284 kg/day shall be given to Authorized Recyclers. The reusable waste such as paper, plastics etc., shall be collected by uncoiled twin bins by providing twin bin in each occupier area and disposed to such vendors for reuse. I shall dispose the solid waste as committed above without polluting the soil/ground water/adjacent canals/lakes/ Ponds, etc.,
- 4. We fully assure and commit ourselves to SEIAA, Tamil Nadu that maintenance of common facilities including greening, rain water harvesting, sewage disposal, solid waste disposal and environmental monitoring will be our responsibility. We shall consistently monitor the performance of the same and eventually the same shall be maintained for a period of 10 years.
- 5. I also commit that Green belt area has been earmarked in the revised plan submitted to DTCP with Dimension and GPS Coordinates.
- 6. About 1.0% of the project cost of Rs. 55.47 Crores will be about Rs. 55.47 Lakhs which will be required to be spent as per MoEF&CC OM dated 01.05.2018. We proposed to spend about Rs. 56 lakhs for following activities.
  - Providing smart class (LED Projector & Computers) infrastructure facility for drinking water and sanitation facility at S.N.V.N.V Government Boys High School, Singanallur – Rs. 26 Lakhs
  - Rehapilitation of Cithraichavadi branch channel of Pudhukulam Tank and Planting of Avenue trees with safety gauges in Pudhukulam and Kolarampathi Tank Bunds in Vedapatti Village – Rs. 30 Lakhs
- 7. I also commit that the site does not encroach any water bodies / reserve forests / wetlands.

As authorized signatory of this project I am aware that I can be prosecuted under relevant Act and Rules, if I am not ensuring the adherence of the above commitments.

### 3.0 Project Appraisal and Environment Clearance

i. The project activity is covered in 8(a) of the Schedule and is of B2 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

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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 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. Then, the proponent has filed the application to MoEF &CC on 13.04.2017. The proponent application was transferred to SEIAA-TN for Terms of reference (under violation) on 18.06.2018.
- v. The SEIAA-TN was issued Terms of Reference Letter No.SEIAA-TN/F.No.613/SEAC-CXVII/Violation/ToR-552/2018, dated: 09.08.2018

vi. The proponent submitted the ElA report to SEIAA-TN dated: 22.10.2019 for the consideration of EC under violation notification.

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vii. The proposal was placed in the 141<sup>st</sup>, 164<sup>th</sup> & 177<sup>th</sup> SEAC meetings held on 16.12.2019, 20.07.2020 & 26.09.2020 respectively

The technical team inspected the project site on 15.02.2020. The inspection report was placed in the 177<sup>th</sup> SEAC meeting held on 26.09.2020.

Based on the inspection report and the violation notifications issued by the MoEF&CC dated 14.03.2017 & 04.08.2018, SEAC classified the level of damages caused by the Project Proponent on the environment based on the following criteria:

- 1. Low level Ecological damage:
  - a. Only procedural violations (started the construction at the site without obtaining EC)
- 2. Medium level Ecological damage:
  - a. Procedural violations (started the construction at the site without obtaining EC)
  - 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.
  - c. Under Operation (occupied).

As per the OM of MoEF& CC dated: 01.05.2018, SEAC deliberated the fund allocation for Corporate Environment Responsibility shall be to a maximum of 2% of the project cost.

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 penalty by following the below mentioned criteria.

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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

The project cost of this proposal submitted in the EIA report under violation is Rs.5541.88 Lakhs.

The Committee observed that the project of M/s. PSG Hospitals at Survey298, 300/2, 306, 307 Pt, 308 Pt, 499, 500, 501 & 502 Pt, Sowripalayam Village, Coimbatore South Taluk, Coimbatore District for Environmental Clearance under violation comes under the "High level Ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of post construction EC subject to the following conditions in addition to the normal conditions:

- 1. The amount prescribed for Ecological remediation(Rs. 27.72lakhs), natural resource augmentation(Rs. 11.09lakhs) & community resource augmentation (Rs. 16.63 lakhs), totaling Rs. 55.44lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.56Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAATN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- 2. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource

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- augmentation within a period of six months. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- 3. The amount committed by the Project proponent for CER (Rs.56 Lakhs) shall be remitted in the form of DD to the beneficiary before issue of EC for the following activities. A copy of receipt from the beneficiary shall be submitted before issue of EC.

Sl.	Activities	Name and address of the	Amount
No	rictivities	beneficiary	in Lakhs
01	Providing smart class (LED projector	Government boys High	26.0
	& computer) infrastructure facility for,	School, Singanallur Village,	
	drinking water and sanitation facility	Coimbatore District	
02	Strengthening of bunds and tree plantation around the Pudhukulam Lake, Vedapatti. Coimbatore District consolation with competent Authority	Pudhukulam Lake, Vedapatti. Coimbatore District	30.0
		Total	56.0

- 4. The Project proponent shall operate the STP effectively and continuously so as to achieve standards prescribed by the TNPCB for treated sewage.
- The Project proponent shall operate the ETP for the treatment and disposal of effluent effectively and continuously so as to achieve standards prescribed by the TNPCB for treated effluent.
- 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. The project Proponent shall operate Bio Methanation plant efficiently and continuously for the disposal of the Organic waste generated from the campus and collecting non-bio degradable waste regularly and disposal through TNPCB authorized recycler.
- The Project proponent shall continuously collect the Biomedical waste and the same should be disposed through the Common TSDF for Biomedical waste disposal as per the Bio Medical waste management Rules 2016.
- 9. 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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- The Project proponent shall collect and dispose the E-Waste through TNPCB Authorized vendors/recycler as per the E-Waste Management Rules 2016.
- 11. Necessary permission shall be obtained from the competent authority for the drawl/outsourcing of fresh water before obtaining consent from TNPCB.
- 12. All the mitigation measures committed by the project proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
- 13. Tapping of solar energy should be at least 10% of total energy consumption Solar energy usage mainly for the illumination of common areas, street lighting etc.,
- 14. The project proponent shall provide separate standby D.G set for the STP proposed for the continuous operation of the STP in case of power failure.
- 15. Waste of any type not to be disposed of in any water bodies including drains, canals and the surrounding environment.

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 prior to the grant of environmental clearance".

The proposal was placed in the 407<sup>th</sup> Authority meeting held on 23.10.2020. 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. The amount prescribed for Ecological remediation (Rs. 27.72lakhs), natural resource augmentation (Rs. 11.09lakhs) & community resource augmentation (Rs. 16.63 lakhs), totaling Rs. 55.44lakhs. The project proponent has to remit the amount of Rs. 56. Lakhs in the form of bank guarantee to Tamil Nadu

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- Pollution Control Board as recommended by SEAC and submit the acknowledgement of the same to SEIAA-TN.
- 2. The amount committed by the Project proponent for CER (Rs.56 Lakhs) shall be remitted in the form of DD to the beneficiary before issue of EC for the following activities. A copy of receipt from the beneficiary shall be submitted before issue of EC.
- 3. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of section19 of the Environment (Protection) Ac, 1986.

The project proponent vide its letter dated 23.06.2021 received on 24.06.2021 has furnished the copy of the acknowledgement towards submission of Rs.26 lakhs under CER to The Executive Engineer, PWD, Buildings (Construction & maintenance Division) Coimbatore in the form of DD (DD.No.089515, Central bank of India, Peelamedu Branch dated 21.06.2021), copy of the acknowledgement towards submission of Rs.30 lakhs under CER to The Executive Engineer, WRD, Bhavanisagar Dam Division) Bhavanisagar in the form of DD (DD.No.089519, Central bank of India, Peelamedu Branch dated 22.06.2021) and copy of the acknowledgement towards submission of Bank Guarantee for Rs.56 lakhs (BG No.00913BGD21000003, Central Bank of India dated 22.06.2021, towards remediation plan and Natural and Community Resource Augmentation Plan as indicated in the EIA/EMP report to the office of DEE/TNPCB/Coimbatore.

The project proponent vide its letter dated 23.06.2021 has reported that the credible action was initiated by TNPCB by filing case in the court of No.02-Judicial Magistrate, Coimbatore vide CC. No.920/2021 (hearing attended on 23.03.2021 & 26.03.2021.

# SEIAA discussion and decision:

The subject was placed in the 449th meeting of SEIAA held on 24.07.2021. After detailed discussion, the Authority noted as follows.

1. In the 177<sup>th</sup> SEAC held on 26.09.2020, the SEAC recommended the proposal to SEIAA for grant of post construction Environmental Clearance subject to the following conditions among others

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- a. The amount prescribed for Ecological remediation (Rs. 27.72 lakhs), natural resource augmentation (Rs. 11.09 lakhs) & community resource augmentation (Rs. 16.63 lakhs), totaling Rs. 55.44 lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.56 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board, before obtaining Environmental Clearance and submit the acknowledgement of the same to SEIAATN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- b. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- c. The amount committed by the Project proponent for CER (Rs.56 Lakhs) shall be remitted in the form of DD to the beneficiary before issue of EC for the following activities. A copy of receipt from the beneficiary shall be submitted before issue of EC.

Sl. No	Activities	Name and address of the beneficiary	Amount in Lakhs
01	Providing smart class (LED projector & computer) infrastructure facility for, drinking water and sanitation facility	Government boys High School, Singanallur Village, Coimbatore District	26.0
02	Strengthening of bunds and tree plantation around the Pudhukulam Lake, Vedapatti. Coimbatore District consolation with competent Authority	Pudhukulam Lake, Vedapatti. Coimbatore District	30.0
		Total	56.0

d. The proponent shall submit the proof for the credible action taken by the state Government/TNPCB against the proponent under the provisions of section19 of the Environment (Protection) Ac, 1986 before paging the subject to SEIAA.

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- In the 407<sup>th</sup> Authority meeting held on 23.10.2020, the Authority requested
  the MS/SEIAA to obtain the compliance report from the project proponent
  for the above SEAC recommendations and place the details in ensuing
  meeting to consider EC.
- The project proponent vide its letter dated 23.06.2021 received by this office dated: 24.06.2021 has furnished the following.
  - a. Copy of the acknowledgement towards submission of Rs.26 lakhs under CER to The Executive Engineer, PWD, Buildings (Construction & maintenance Division) Coimbatore in the form of DD (DD.No.089515, Central bank of India, Peelamedu Branch dated 21.06.2021).
  - b. Copy of the acknowledgement towards submission of Rs.30 lakhs under CER to The Executive Engineer, WRD, Bhavanisagar Dam Division) Bhavanisagar in the form of DD (DD.No.089519, Central bank of India, Peelamedu Branch dated 22.06.2021).
  - c. Copy of the acknowledgement towards submission of Bank Guarantee for Rs.56 lakhs (BG No.00913BGD21000003, Central Bank of India dated 22.06.2021, towards remediation plan and Natural and Community Resource Augmentation Plan as indicated in the EIA/EMP report to the office of DEE/TNPCB/Coimbatore.
- The project proponent vide its letter dated 23.06.2021 has reported that the credible action was initiated by TNPCB by filing case in the court of No.02-Judicial Magistrate, Coimbatore vide CC. No.920/2021 (hearing attended on 23.03.2021 & 26.03.2021.

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

1. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of six months. If not the bank guarantee will be forfeited to TNPCB without further notice.



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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:

# <u>Part - A - Common conditions applicable for Pre-construction, Construction and</u> <u>Operational Phases:</u>

- 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.
- 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) 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.



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- 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 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. 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.

12. The Environmental Clearance shall not be cited for relaxing the other applicable

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rules to this project.

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- 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 TNPCB. 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.

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

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- 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 10 pits and the rainwater collection sump of capacity 400 KL (2 x 200 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 later date the Environmental Clearance issued to the project will be deemed to be revoked/ cancelled.

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# <u>Part - B - Specific Conditions - Pre construction phase:</u>

- 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.
- 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.
- 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 Goastal 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. Strom 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:

- 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 with the 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 premixed 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 devises / 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 etc.

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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.

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# 9. Building material:

- Fly-ash blocks should be used as building material in the construction s
  per the provision of Fly ash Notification of September, 1999 and
  amended as on 27th August, 2003 and Notification No. S.O. 2807 (E)
  dated: 03.11.2009.
- 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:

 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:

- 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.

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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 beneficiation 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:

- 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).

# <u>Part - D - Specific Conditions - Operational Phase/Post constructional phase/Entire life of the project:</u>

- 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.
- 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 of 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.
- 25. 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:

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

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- The Member Secretary, Tamil Nadu Pollution Control Board,
   Mount Salai, Guindy, Chennai 600 032.
- The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),
   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, Coimbatore Corporation, Coimbatore District.
- 7. Stock File.

