

P-III/EC/I/47323/2023-SHI

Date: 30.11.2023

To, The Member Secretary, State Level Environment Impact Assessment Authority, 3rd Floor, Panagal Maligai, No.1 Jeenis Road, Saidapet, Chennai-600 015

Sir/Madam,

Sub: SIPCOT Industrial Park at Marudhandapalli – Submission of Half Yearly Compliance Report for December 2023 (i.e., for the period of April 2023 to September 2023) - Reg.

Ref: EC vide Letter No. SEIAA-TN/F.No/8784/EC/8(a)/851/2022 dt.01.07.2022

We hereby submit the Half Yearly Compliance Report for the Development of Industrial Park at Marudhandapalli and Nalanganagothapalli villages of Soolagiri Taluk, Krishnagiri District, Tamil Nadu for December 2023 (i.e., for the period of April 2023 to September 2023) along with the supporting documents for your perusal.

Thanking you

Yours faithfully, Sd/-MANAGING DIRECTOR

Encl: As above. Copy to:

 The Director, The Ministry of Environment and Forest & Climate Change, Integrated Regional Office, 1st Floor, Additional Office Block for GPOA, Shastri Bhawan, Haddows Road, Nungambakkam, Chennai – 600 006

 The Director, CPCB Zonal Office, 77-A, South Avenue Road, Ambattur Industrial Estate, Ambattur Taluk, Thiruvallur District, Chennai - 600 058.

P.T.O.

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN: U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008. Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in



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- The Chairman, Tamil Nadu Pollution Control Board, No-76, Mount Road, Guindy, Chennai-600 032
- 4. The Project Officer SIPCOT Industrial Park, Hosur

/Forwarded by Order/

GENERAL MANAGER (P-I)

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN: U74999TN1971SGC005967

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HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2023 to September 2023

For

"Proposed Development of SIPCOT Industrial Park at Marudhandapalli and Nalanganagothapalli villages of Soolagiri Taluk, Krishnagiri District, Tamil Nadu

EC obtained vide Letter No. SEIAA – TN/F.No.8784/EC /8(a)/851/2022 dated: 01.07.2022

Submitted by



M/S. STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LTD 19/A, Rukmani Lakshmipathy Road,

Egmore, Chennai - 600008.

Prepared by



HUBERT ENVIRO CARE SYSTEMS (P) LTD CHENNAI (ENVIRONMENTAL CONSULTANT)

November 2023

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1.0 PROJECT DETAILS

Name of the Project	Proposed Development of SIPCOT Industrial Park, Marudhandapalli	
Name of the Proponent	M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT)	
Location	Marudhandapalli and Nalanganagothapalli Villages of Soolagiri Taluk, Krishnagiri District, Tamil Nadu	
EC. No	EC22B039TN146946 dated 19.07.20212 SEIAA Letter No. SEIAA- TN/F.No/8784/EC/8(a)/851/2022 dt.01.07.2022 (Enclosed as Annexure 1) (Enclosed as Annexure 1)	
Total Extent	413.705 Hectares	
Water Requirements	Fresh water: 6024 KLD Recycled water: 2471 KLD Total water requirement: 8495 KLD Source: Fresh water-TWAD Board	
Project Cost	Rs.661 Crores	

2.0 LOCATION MAP



3.0 SITE PHOTOGRAPHS





4.0 SIX MONTHLY ENVIRONMENTAL CLEARANCE COMPLIANCE STATEMENT

SEAC Specific Condition:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	All the water bodies shall be maintained properly.	Water bodies shall be maintained as is where is condition.
2.	The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006 shall be allowed in the Park.	Condition noted.
3.	Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be planting 10 trees in their respective green belt area for cutting 1 tree.	Condition noted.
4.	The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.	All the member units will be instructed to have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
5.	The Project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in certificate.	Condition will be complied.
6.	The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.	Condition will be complied.
7.	The height of the stacks of DG sets shall be provided as per the CPCB norms.	All the member units will be instructed to follow applicable rules and guidelines.
8.	The project proponent shall allot necessary area for the collection of E	Separate area has been earmarked for Solid Waste Management Facility. All the

	waste and strictly follow the E-Waste	member units will be instructed to follow
	Management Rules 2016, as amended	applicable rules and guidelines.
	for disposal of the E waste generation	
	within the premise.	
9.	The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.	All the member units will be instructed to have their own STP and to reuse the treated sewage as per norms.
	The purpose of Green belt around the	Condition will be complied. Overal
	Project is to capture the fugitive	greenbelt of minimum 33% will be
	emissions and to attenuate the noise	provided as committed.
	generated, in addition to the	
	improvement in the aesthetics. A wide	
	range of indigenous plants species	
	should be planted in and around the	
	premise in consultation with the DFO,	
	District / State	
	Agriculture University. The plants	
	species	
	Should have thick canopy cover,	
10.	perennial green nature, native origin and	
	large leaf areas. Medium size trees and	
	small trees alternating with shrubs shall	
	be planted. Miyawaki method of planting	
	i.e planting different types of trees at	
	very close intervals may be tried which	
	will give a good green cover. The	
	proponent shall earmark the greenbelt	
	area with GPS coordinates all along the	
	boundary of the project site with at least 3 meters wide and in between blocks in	
	an organized manner and the same shall be include in the layout out plan to	
	be submitted for CMDA, DTCP	

[I
	approval. The total green belt area	
	should be minimum 33% of the total	
	area and the same shall not be used for	
	car parking/OSR,	
	The project proponent shall provide	Condition will be complied.
11.	entry and exit points for the OSR area,	
	play area as per the norms for the pubic	
	usage and as committed.	
	The Proponent shall provide rain water	Condition will be complied
10	harvesting sump of adequate capacity	Condition will be complied.
12.	for collecting the runoff from rooftops,	
	paved and unpaved roads as committed	
	The project proponent shall obtain the	
	necessary authorization from TNPCB	All the member units will be instructed to
	and strictly follow the Hazardous &	follow applicable rules and guidelines.
13.	Other Wastes (Management and	
	Transboundary Movement) Rules, 2016.	
	as amended for the generation of	
	Hazardous waste within the premises.	
		Condition noted.
	No waste of any type to be disposed off	All the member units will be instructed to
14.	in any other way other than the	
	approved one.	follow applicable rules and guidelines.
	The Proponent shall provide the	Condition will be complied.
15.	dispenser for the disposal of Sanitary	
	Napkins.	
	All the mitigation measures committed	
	by the proponent for the flood	Condition will be complied. Individual
16.	management, to avoid pollution in Air,	member units will be mandated to obtain
_	Noise, Solid waste disposal, Sewage	all necessary statutory clearances and
	treatment & disposal etc., shall be	approvals.
	followed strictly.	
	The project proponent shall furnish	Condition will be complied.
	commitment for post-COVID health	
47		
17.	management for construction workers	

	Government guidelines as committed for	
	during SEAC meeting.	
	The project proponent shall provide a	Condition will be complied.
	medical facility, possibly with a medical	
18.	officer in the project site for continuous	
10.	monitoring the health of construction	
	workers during COVID and Post -	
	COVID period.	
	Solar energy should be at least 20% of	
	total energy utilization. Application of	
19.	solar energy should be utilized	Condition noted.
	maximum for illumination of common	
	areas, street lighting etc.	
	As per the MoEF & CC Office	Condition noted.
20.	Memorandum F.No. 22-6512017-IA.I	Condition noted.
20.	Dated: 30.09.2020 and 20.10.2020 the	
	proponent shall adhere EMP furnished.	
	As accepted, the PP shall remit Rs 25	
	lakh to DFO. Krishnagiri, to carry out	
21.	appropriate conservation measures like	
	creation of water holes, Planting of trees	Condition will be complied.
	and shrubs that Provide forage to wild	
	animals in Cauvery Wild Life Sanctuary.	

SEIAA Additional conditions:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1	The proponent shall ensure compliance of all the conditions imposed in the	Condition will be complied.
1.	DFO/Hosur letter addressed to the Wildlife Warden, Dharmapuri.	
	The Proponent shall start the	Condition will be complied.
2.	development of industrial Park only after completing the land acquisition for the	
	total area of proposed development of	

	industrial park.	
3.	The Proponent shall furnish the necessary documents for complete land acquisition of the Proposed industrial Park to TNPCB before obtaining CTE.	Condition will be complied.
4.	All the construction of Buildings shall be energy efficient and conform to the green building norms	All the member units will be instructed to follow applicable rules and guidelines.
5.	The proponent shall ensure that no treated or untreated trade effluent/sewage shall be discharged outside the premises under any circumstances	All the member units will be instructed to have their own STP/ETP for treatment of wastewater and to reuse the treated water as per the norms.
6.	All bio safety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA//EMP.	Condition noted.
7.	The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.	All the member units will be instructed to follow applicable rules and guidelines.
8.	The proponent shall ensure that the EIA/EMP and disaster management Plan should be adhered strictly.	Condition will be complied.
9.	The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.	All the member units will be instructed to follow applicable rules and guidelines.
10.	The proponent should strictly comply with. Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection Act, 1986.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.

	The proponent shall ensure that provision	All the member units will be instructed to
11.	Should be given for proper utilization of recycled water.	have their own STP/ETP for treatment of
		wastewater and to reuse the treated water
		as per the norms.
	The proponent shall ensure that all trees	Condition noted.
12.	& biodiversity listed in EIA report to be	
	Protected within the premises.	
	The proponent shall ensure that the	Condition noted. All the member units will
13.	buildings should not cause any damage	be instructed to follow applicable rules and
10.	to water environment, air quality and	guidelines.
	should be carbon neutral building.	
14.	All the Buildings shall be energy efficient	All the member units will be instructed to
14.	and confirm to the green building norms.	follow applicable rules and guidelines.
	The proponent shall ensure almost safety	Condition noted.
15.	for the existing biodiversity, trees. flora &	
10.	fauna shall not disturb under any	
	circumstances.	
	The proponent shall ensure that the all	Condition noted.
16.	activities of EMP shall be completed	
	before obtaining CTO from TNPCB.	
	The proponent shall ensure that the	Condition noted.
17.	activities undertaken should not result in	
	Carbon emission and temperature rise, in	
	the area.	
	The proponent shall ensure that the	Condition noted.
18.	buildings and activities should not result	
10.	in Environmental damages, nor result in	
	temperature rise.	
	The proponent shall provide and ensure	Condition will be complied. Overall
	the green belt plan is implemented as	greenbelt of minimum 33% will be provided
19.	indicated in EMP. There should be	as committed.
	sufficient grass lawns and play facility for	
	children.	
20.	The proponent shall provide the	All the member units will be instructed to
20.	emergency exit in the buildings	follow the applicable rules and guidelines.
21.	The proponent shall provide elevator as	All the member units will be instructed to

r		
	Per rules CMDA/DTCP	follow the applicable rules and guidelines.
22.	The proponent shall provide adequate capacity of DG set (standby) for the Proposed STP so as ensure continues and efficient operation. The proponent shall adhere to the	SIPCOT does not propose CSTP. All the member units shall comply with. All the member units will be instructed to
23.	provision and norms regard to fire safety Prescribed by competent authority.	follow applicable rules and guidelines.
24.	The project proponent shall adhere to storm water management plan as committed.	Storm water drains will be provided all along the internal roads.
25.	The project proponent shall obtain NOC from competent Authority in view of flood inundation before obtaining CTE from TNPCB	Condition noted.
26.	The project proponent shall obtain NOC from Competent Authority impact on Water Bodies.	Condition noted.

PART A - Common condition applicable for Pre-construction, Construction and Operational Phase:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
	Any appeal against this environmental	No appeal lies against this Environmental
	Clearance shall lie with the Hon'ble	Clearance.
4	National Green Tribunal, if preferred,	
1.	within a period of 30 days as prescribed	
	under section 16 of the National Green	
	Tribunal Act, 2010.	
	The Construction of STP, ETP, Solid	Condition noted. Construction shall be
	Waste Management facility, E-waste	carried out as per the DTCP approval.
2.	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.	
	The Environmental safeguards	
	contained in the application of the	Condition noted.
	proponent/ mentioned during the	
2	presentation before the State Level	
3.	Environment Impact Assessment	
	Authority / State Level Expert Appraisal	
	Committee should be implemented in	
	the letter and sprit.	
	All other statutory clearances such as	
	the approvals for storage of diesel from	Condition noted.
	Chief Controller of Explosives, Fire and	All the member units will be instructed to
	Rescue Services Department, Civil	obtain all necessary statutory clearance
	Aviation Department, Forest	and approvals.
	Conservation Act, 1980 and Wild Life	Consent to Establish obtained from
4.	(Protection) A, 1972, State/Central	TNPCB and the copy of CTE is attached
	Ground Water Authority, Coastal	as Annexure-2 .
	Regulatory Zone Authority, other	
	statutory and other authorities as	
	applicable to the project shall be	
	obtained by project proponent from the	
	concerned competent authorities.	
	The SEIAA reserves the right to add	Condition noted
	additional safeguard measures	Condition noted.
	subsequently. If non-compliance of any	
5.	of the EC conditions is found and to take	
	action, including revoking of his	
	Environmental Clearance as the case	
	may be.	
	A proper record showing compliance of	Condition noted.
6.	all the conditions of Environmental	
0.	Clearance shall be maintained and	
	made available at all the times.	

F b c P ()	Financial year ending 31 st March in Form V as is mandated to be submitted by the project proponent to the concerned Pollution Control Board as	Form V Acknowledgement copy is attached as Annexure -11 .
b c p ()	by the project proponent to the	
c p ()		
p (Series relation Series Beard 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.	
	The Regional Office of the Ministry	
	Located at Chennai shall monitor	
	Compliance of the stipulated conditions.	
	The project authorities Should extend	Condition noted.
8.	full cooperation to the Officer (s) of the	
	Regional Office by furnishing the	
	requisite data information monitoring	
	reports.	
	Consent For Establishment shall be	
с	obtained from the Tamil Nadu pollution	Conditions complied.
9.	Control Board and a copy shall be	CTE obtained from TNPCB and the copy
	submitted to the SEIAA. Tamil Nadu.	of CTE is attached as Annexure-2.
		Condition noted.
	In the case of any changes in the scope	There is no change in the scope of
10.	of the project, a fresh appraisal by the	project.
	SEAC/SEIAA shall be obtained before	
	mplementation.	
т	The conditions will be enforced inter-	Condition noted.
8	alia.	
11.	Under the provisions of the Water	
(Prevention & Control Of pollution) Act,	
1	1974, the Air (prevention Pollution) Act,	
1	1981, the Environment (protection) Act,	

		[]
	1986. The public Liability Insurance Act,	
	1991, along with their amendments,	
	draft minor mineral Conservation &	
	Development Rules Sale & Control of	
	Act. 1986, the public ,draft Minor	
	Mineral 2010 framed Under MMDR Act	
	1957, National Commission for protection	
	Of Child Right Rules,2006 and rules	
	Made there under and also any other	
	order 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.	
	The Environmental Clearance shall not	Condition noted.
12.	be cited for relaxing the other applicable	
	rules to this project.	
	Failure to comply with any of the	
	condition mentioned above may result in	SIPCOT shall comply with all applicable
13.	withdrawal of this clearance and attract	conditions specified in the EC.
	action under the provision of the	
	Environment (Protection) Act, 1986.	
	The proponent shall upload the status of	
	compliance of the stipulated EC	Condition is being complied. Compliance
	condition, including results of monitored	of EC conditions uploaded in website is
	data on their website and shall update	enclosed as Annexure – 10.
	the same periodically. It shall	
	simultaneously be sent to the Regional	
	Office of MoEF,	
14.	Chennai, the respective Zonal Office of	
	CPCB, Bangalore and the TNPCB. The	
	Criteria pollutant levels namely PM I0,	
	PM 2.5, SO ₂ , NO _x (ambient levels as	
	well as stack emissions) or critical	
	sectional parameters' indicated for the	
	project shall be monitored.	

	The SEIAA,TN may cancel the	
	environmental clearance granted to this	Condition noted.
	project under the provisions of EIA	
	Notification,2006,if, at any stage of the	
	validity of if it is found or if it comes to	
15.	the	
10.	Knowledge of this SEIAA. TN that the	
	project proponent has deliberately	
	concealed and/or this environmental	
	clearance. Submitted false or misleading	
	Information or inadequate data for	
	obtaining the environmental clearance.	
	The Environmental Clearance does not	Condition noted.
	imply that the other statutory	Condition noted.
	,administrative clearances shall be	
16.	granted to the project by the concerned	
10.	Authorities. Such authorities would be	
	considering the project on merits and be	
	taking decisions independently of the	
	Environmental Clearance'	
	The SEIAA, TN may alter/modify the	Condition noted.
47	above condition in the interest of	
17.	environmental protection, even during	
	the subsequent period.	
	The Environmental Clearance does not	Condition noted.
	absolve the applicant/ proponent of his	
10	obligation/ requirement to obtain other	
18.	statutory and administration clearances	
	from other statutory and administrative	
	authorities.	
	Where the trees need to be cut,	
	compensation plantation in the ratio of	Condition noted.
19.	1:10 (planting of 10 trees for every one	
	tree that is cut) should be done with the	
	obligation to continuous maintenance.	
20.	A separate environmental management	Condition complied.

	cell with suitable qualified personnel	Separate environmental management cell
	should be set – up under the control of a	has been assigned and will report to the
	senior Executive who will report directly	General Manager, SIPCOT who will
	to the head of the organization and the	report directly to the Head of the
	shortfall shall be strictly reviewed and	Organization for implementation
	addressed.	monitoring and compliance of the
		environmental safeguards.
		Details of Environmental Management
		Cell with Roles and Responsibilities are
		enclosed as Annexure - 3 .
	The EMP cost shall be deposited in a	Condition noted.
	Nationalized bank by opening separate	
21.	account and the head wise expenses	
	statement shall be submitted to TNPCB	
	with a copy to SEIAA annually.	
	The project proponent has to provide	
	rain water harvesting pits to recover and	Condition noted.
22	reuse the rain water during normal rains	
	as reported.	
	The project activity should not cause	
23.	any disturbance & deterioration of the	Condition will be complied.
	local bio diversity.	
	The project activity should not Impact	
	the water bodies. A detailed inventory of	Condition will be complied. Surface water
	the water bodies forest should be	quality monitoring report is enclosed as
24.	evaluated and fact reported to the	Annexure - 4.
	Forest Department & PWD for	
	monitoring.	
	All the assessed flora & fauna should be	Condition noted.
25.		Condition noted.
	conserved and protected.	Condition will be complied All the
	The proponent should strictly comply	Condition will be complied. All the
00	with. Tamil Nadu Government Order	member units will be instructed to follow
26.	(Ms)	applicable rules and guidelines.
	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.Condition will be complied.27.Necessary permission shall be obtained from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.Condition will be complied. The fresh water requirement through TWAD vide Industrie department GO (MS) No. 269 11/10/2021 and is enclosed a - 8.The proponent shall appoint an Environmental Engineer with necessarySTP is not proposed by SIPC All the member units will be in	es 9 Dated
plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.Condition will be complied.27.Necessary permission shall be obtained from the competent authority for the 	es 9 Dated
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27.from the competent authority for the drawl /outsourcing of fresh water before obtaining consent from TNPCB.through TWAD vide Industrie department GO (MS) No. 269 	es 9 Dated
27. drawl /outsourcing of fresh water before obtaining consent from TNPCB. department GO (MS) No. 269 11/10/2021 and is enclosed a - 8. The proponent shall appoint an STP is not proposed by SIPC	9 Dated
drawl /outsourcing of fresh water before department GO (MS) No. 269 obtaining consent from TNPCB. 11/10/2021 and is enclosed a - 8. The proponent shall appoint an STP is not proposed by SIPC	
- 8. The proponent shall appoint an STP is not proposed by SIPC	as Annexure
The proponent shall appoint an STP is not proposed by SIPC	
	COT.
	nstructed to
qualification for the operation and comply with.	
28. maintenance of STP (Sewage	
Treatment Plant) and GWTP (grey water	
Treatment plant).	
The Proponent shall provide the Condition will be complied.	
29. dispenser for the disposal of Sanitary	
Napkins.	
All the mitigation measures committed	
by the proponent for the flood	
Solid waste disposal, Sewage treatment	
& disposal etc., shall be followed strictly.	
No waste of any type to be displayed of Condition noted.	
in any watercourse including drains, 31. All the member units will be i	nstructed to
canals and the surrounding comply with.	
environment.	
Traffic congestion near the entry and Condition will be complied.	
29. exist points from the roads adjoining the	
proposed project site must be avoided.	
30. The safety measures proposed in the Condition will be complied.	

rrt- B – Specific Conditions – Pre Construction Phase:
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S.NO	CONDITIONS	STATUS OF COMPLIANCE
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 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.	Condition complied. Newspaper advertisement copy is enclosed as Annexure - 5 . The copy of the press release has been forwarded to the Regional Office of the Ministry of Environment and Forests located at Chennai and SEIAA- TN. Acknowledgement copy of the same is enclosed as Annexure - 6 .
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	Condition noted. There is no change in the scope of project.
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.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
5.	All required sanitary and hygienic measures for the workers should be in	Condition noted. All the member units shall comply with.

	place before starting construction	
	activities and they have to be	
	maintained throughout the construction	
	phase.	
	Design of building should be in	Condition will be complied. All the
6.	conformity with the Seismic Zone	member units will be instructed to follow
	Classifications.	applicable rules and guidelines.
	The Construction of the structures	Condition will be complied. All the
7.	should be undertaken as per the plans	member units will be instructed to comply
7.	approved by the concerned local	with.
	authorities/local administration.	
	The height and coverage of the	Condition is not applicable. Site does not
	constructions shall be in accordance	fall in CRZ area.
8.	with the existing FSI/ FAR norms as per	
	Coastal Regulation Zone Notification,	
	2011.	
	The proponent shall prepare completion	
	plans showing Separate pipelines	
	marked with different colours with the	
	following details	Conditions applicable will be complied.
	1. Location of STP, compost	Conditions applicable will be complied.
	system, underground sewer line	
	2. Pipe Line conveying the treated	
	effluent for green belt	
	development	
9.	3. Pipe Line conveying the treated	
	effluent for toilet flushing	
	4. Water supply pipeline	
	5. Gas supply pipe line, if proposed	
	6. Telephone cable	
	7. Power cable	
	8. Strom water drains, and	
	9. Rain water harvesting system,	
	etc., and it shall be made available to	
	the owners.	

	the project site during the entire	comply with
	construction and operation phases of	
	the project.	
	The present land use surrounding the	
11.	project site shall not be disturbed at any	Condition noted.
	point of time.	
	The green belt area shall be planted	Condition will be complied.
12.	With indigenous native trees.	Greenbelt will be developed with
		indigenous native species.
	Natural vegetation listed particularly the	Condition noted.
	trees shall not be removed during the	
13.	construction/operation phase. In case	
	any trees are likely to be disturbed, shall	
	be Replanted.	
	During the construction and operation	
	phase, there should be no disturbance	Condition will be complied.
14.	to the aquatic eco-system within and	
	outside the area.	
	The Provisions of Forest conservation	
45	Act 1980, Wild Life Protection Act 1972	Condition noted.
15.	& Bio diversity Act 2002 should not be	
	violated.	
40	There should be Firefighting plan and all	Condition noted. All the member units will
16.	required safety plan.	be instructed to comply with.

Part - C – Specific Condition – Construction phase:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	Construction Schedule:	
	(i) The Project proponent shall have	Condition noted.
	to furnish the probable date of	
	commissioning of the project	
	supported with necessary bar charts to	

SEIAA-TN.	
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	Condition noted. All the member units will be instructed to comply with.
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	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
 measures, if needed. iii) Periodical medical examination of the workers engaged in the project shall be carried out and 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. 	Condition noted. All the member units will be instructed to comply with.
Water Supply:	
i) The entire water requirement during construction phase may be met from private tankers.	Condition will be complied.
ii) Provision shall be made for the housing labour within the site with all necessary infrastructures and facilities	Condition not applicable. Local labors will be employed for the project. There will not be any housing for labors.
	 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. 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. Periodical medical examination of the workers engaged in the project shall be carried out and 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. Water Supply: The entire water requirement during construction phase may be met from private tankers. Provision shall be made for the housing labour within the site with all

	mobile STP, safe drinking water,	
	medical health care, creche etc. 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 	Condition will be complied. All the member units shall comply with.
	only.	
	iv) Water demand during construction	Condition will be complied. All the
	should be reduced by use of premixed	member units shall comply with.
	concrete, curing agents and other best	
	practices prevalent.	
	v) Fixtures for showers, toilet flushing	Condition will be complied. All the
	and drinking water should be of low flow	member units shall comply with.
	type by adopting the use of aerators /	
	pressure reducing devises / sensor	
	based control.	
4.	Solid Waste Management:	
	i) In the solid waste management plan,	All the member units shall comply with.
	the STP sludge management plan for	
	direct use as manure, gardens is not	
	acceptable; it must be co-composted	
	with biodegradables.	
	ii) Hazardous wastes such as batteries,	All the member units shall comply with.
	small electronics, CFL bulbs expired	
	medicines and used cleaning solvent	
	bottles should be segregated at source,	
	in a month from residences and	
	disposed as per the SWM rules 2016.	

	iii) Domestic solid wastes to be regularly	Condition will be complied. All the
	collected in bins or waste handling	member units will be instructed to follow
	receptacles and solid waste	applicable rules and guidelines.
	management rules 2016.	
	iv) No waste of any type disposed of in	Condition will be complied. All the
	any watercourse including drains, canals	member units will be instructed to comply
	and the surrounding environment.	with.
	v) E-waste shall be disposed through	Condition will be complied. All the
	Authorized vendor as per E-waste	member units will be instructed to follow
	(Management and Handling) Rules,	applicable rules and guidelines.
	2016 and subsequent amendment.	
5.	Top Soil Management:	
	i) All the top soil excavated during	
	construction activities should be stored	Condition noted. All the member units
	for use in horticulture/ landscape	shall comply with.
	development within the project site.	
6.	Construction Debris disposal:	
0.		
	i) Disposal of construction debris during	Condition will be complied. All the
	construction phase should not create	member units will be instructed to comply
	any adverse effect on the neighboring	applicable rules and guidelines.
	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	Condition will be complied. All the
	bituminous materials and other	member units will be instructed to comply
	hazardous materials must not be	with.
	allowed to contaminate watercourses.	with.
	The dump sites for such materials must	
	be secured so that they should not leach	

	into the adjacent land/lake/ stream etc.	
7.	Diesel Generator sets:	
	i) Low Sulphur Diesel shall be used for	Condition noted. All the member units will
	operating diesel generator sets to be	be instructed to follow applicable rules
	used during construction phase. The air	and guidelines.
	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 stand by DG	Condition noted. All the member units
	sets shall be stored in underground	shall be instructed to obtain necessary
	tanks fulfilling the safety norms and if	approvals.
	required, clearance from Chief	
	Controller of explosives shall be taken.	
	iii)The acoustic enclosures installed at	Condition noted. All the member units
	all noise generating equipments such as	shall comply with.
	DG sets, air conditioning systems,	
	cooling water tower etc.	
8.	Air & Noise Pollution Control:	
	i) Vehicles hired for bringing	Condition will be complied. All the
	construction materials to the site should	member units will be instructed to follow
	be in good condition and should conform	applicable rules and guidelines.
	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	Condition noted. All the member units will
	conform to residential standards	be instructed to follow applicable rules
	prescribed by the TNPCB, both during	and guidelines.
	day and night. Incremental pollution	The Noise monitoring report is attached
	loads on the ambient air and noise	as Annexure -4.
	quality should be closely monitored	
	during the construction phase. The	
	pollution abatement measures shall be	
	strictly implemented.	

	iii) Traffic congestion near the entry and	Condition will be complied.
	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 DTCP norms. The	
	traffic department shall be consulted and	
	any cost effective traffic regulative	
	facility shall be meet before	
	commissioning	
	iv) The buildings should have adequate	All the member units shall comply with.
	distance between them to allow free	
	movement of fresh air and passage of	
	natural light, air and ventilation.	
	v) The project proponent should ensure	Condition noted All the member write will
	that adequate Air pollution Control	Condition noted. All the member units wil
	measures shall be provided from buses	be instructed to comply with.
	and other vehicles, which will be	
	entering the bus terminal. Further, water	
	sprinkling system shall be provided and	
	same shall be used at regular interval to	
	control the dust emission within the	
	project site.	
9.	Building material:	
	i) Fly-ash blocks should be used as	All the member units will be instructed to
	building material in the construction as	follow applicable rules and guidelines.
	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.	
	ii) Ready-mix concrete used in building	All the member units shall comply with.
	construction and necessary cube tests	
	should be conducted ascertain their	
	should be conducted ascertain their	All the member units shall comply with.

	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:	L
	i) Storm water management around the	Condition noted. All the member units wil
	site and on site shall be established by	be instructed to comply with.
	following the guidelines laid down by the	
	storm water manual.	
	ii) Storm water management plan shall	Condition noted.
	be obtained by engaging the services of	
	Anna University/IIT.	
11.	Energy Conservation Measures:	
	i) Roof should meet prescriptive	All the member units will be instructed to
	requirement as per Energy Conservation	follow applicable rules and guidelines.
	Building Code by using appropriate	
	thermal insulation material, to fulfill the	
	requirement.	
	ii) Opaque wall should meet prescribed	
	requirement as per Energy Conservation	follow applicable rules and guidelines.
	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	All the member units will be instructed to
	Building Code (ECBC) and National	follow applicable rules and guidelines.
	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	Condition noted. All the member units wi
	incorporated for illumination of common	be advised to comply with.
	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	The proposed project is an establishmen
	measures conforming to energy	of industrial park which involves provision
	conservation norms prescribed by the	of roads, storm water drains, greenbel
	Bureau of Energy Efficiency shall be	
	prepared incorporating details about	member units will be instructed to follow
	building materials & technology; R & U	applicable rules and guidelines.
	factors etc and submitted to the SEIAA	
	in three month's time.	
	vi) Energy conservation installation of	Condition will be complied. All the
	CFLs/TFLs for lighting the areas outside	member units shall comply with.
	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	Overall greenbelt of minimum 33% will be
	and rescue arrangements should be	developed as per the layout approval.
	made as per the prescribed standards.	
	ii) Proper and free approach road for	Condition will be complied.
	fire-fighting vehicles up to the buildings	•
	and for rescue 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	Condition will be complied. Greenbelt will
	capture in the proposed green belt area	be developed through Forest Departmen
	based on the recommendation of the	
	Forest department well before the	
	project is completed.	
	iv) The proponent has to earmark the	Condition will be complied. Greenbelt wil
	greenbelt area with dimension and GPS	be developed as per the Layout Approva
	coordinates for the green belt area all	
	along the boundary of the project site	
	with at least 3 meter wide and the same	
	shall be included in the layout out plan	

	to be submitted for CMDA/ DTCP	
	approval.	
	iii) The proponent shall develop the	
	green belt as per the plan furnished and	Condition noted. Overall greenbelt of
	area earmarked for the greenbelt shall	minimum 33% will be developed as per
	not be alter at any point of time for any	the layout approval.
	other purpose.	
14.	Sewage Treatment Plant:	
	i) The Sewage Treatment Plant (STP)	SIPCOT did not propose STP. All the
	installed should be certified by an	member units will be instructed to comply
	independent expert/ reputed academic	with.
	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 as	SIPCOT did not proposed STP.
	furnished. Any alteration to satisfy the	All the member units will be instructed to
	bathing quality shall be informed to	comply with.
	SEIAA-TN.	
	iii) The project proponent shall operate	All the member units will be instructed to
	and maintain the Sewage treatment	follow applicable rules and guidelines.
	Plant effectively to meet out the	
	standards prescribed by the CPCB.	
	iv) The project proponent shall	All the member units will be instructed to
	continuously operate and maintain the	follow applicable rules and guidelines.
	Sewage treatment plant and Effluent	
	treatment plant to achieve the standards	
	prescribed by the CPCB.	
	v) The project proponent has to ensure	All the member units will be instructed to
	the complete recycling of treated	comply with.
	sewage after achieving the standards	
	prescribed by the CPCB	

	vi) The project proponent has to provide	
	separate standby D.G set for the	All the member units will be instructed to
	STP/GWTP for the continuous operation	comply with.
	of the STP/GWTP in case of power	
	failure.	
15.	Rain Water Harvesting:	I
	i) The proponent shall ensure that roof	Condition noted. All the member units will
	rain water collected from the covered	be instructed to comply with.
	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.	
	ii) Rain water harvesting for surface run-	Condition noted. All the member units will
	off, as per plan submitted should be	be instructed to comply with.
	implemented. Before recharging the	
	surface run off, pre-treatment with	
	screens, settlers etc. must be done to	
	remove suspended matter, oil and	
	grease, etc.	
	iii) The project proponent has to provide	Condition noted.
	rain water harvesting pits to recover and	All the member units will be instructed to
	reuse the rain water during normal rains	comply with.
	as reported.	
	iii) The project activity should not cause	Condition noted.
	any disturbance & deterioration of the	
	local bio diversity.	
16.	Building Safety:	1
	Lightning arrester shall be properly	
	designed and installed at top of the	All the member units shall comply with.
	building and where ever is necessary.	

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

Not Applicable – Since the project is under construction phase.

5.0 ENVIRONMENTAL MONITORING DETAILS

It is mandatory to submit six monthly compliance report (Half Yearly Compliance) to MoEF & CC Regional Office by the proponent. For the purpose of submitting Six-Monthly Compliance Report, environmental monitoring was carried out at site by M/s. Hubert Enviro Care Systems Pvt. Ltd. for the period of April 2023 to September 2023.

5.1 Ambient Air Quality Monitoring

The Ambient Air Quality parameters such as suspended particulate matter (PM_{10}), Respirable matter ($PM_{2.5}$), Sulphur dioxide, Oxides of Nitrogen (NO_x) and Carbon monoxide were monitored during the period from April 2023 to September 2023. The test report of ambient air quality is attached as **Annexure-4**.

5.2 Ambient Noise Level Monitoring

Ambient Noise level is being monitored during the period from April 2023 to September 2023 and the test report of ambient noise recorded is attached as **Annexure - 4**.

5.3 Soil Quality Monitoring

Soil quality is being monitored and locations were selected for monitoring the soil quality. The soil samples were collected and analyzed for nutrients and heavy metals during the period from April 2023 to September 2023. The test report of soil samples collected is analyzed and attached as **Annexure -4**.

5.4 Ground Water Quality Monitoring

Ground water quality is being monitored. The ground water samples were collected and analysed during the period from April 2023 to September 2023. The test report of ground water samples collected is attached as **Annexure -4**.

5.5 Surface Water Quality Monitoring

Surface water quality is being monitored. The surface water samples were collected and analysed during the period from April 2023 to September 2023. The test report of surface water samples collected is attached as **Annexure -4**.

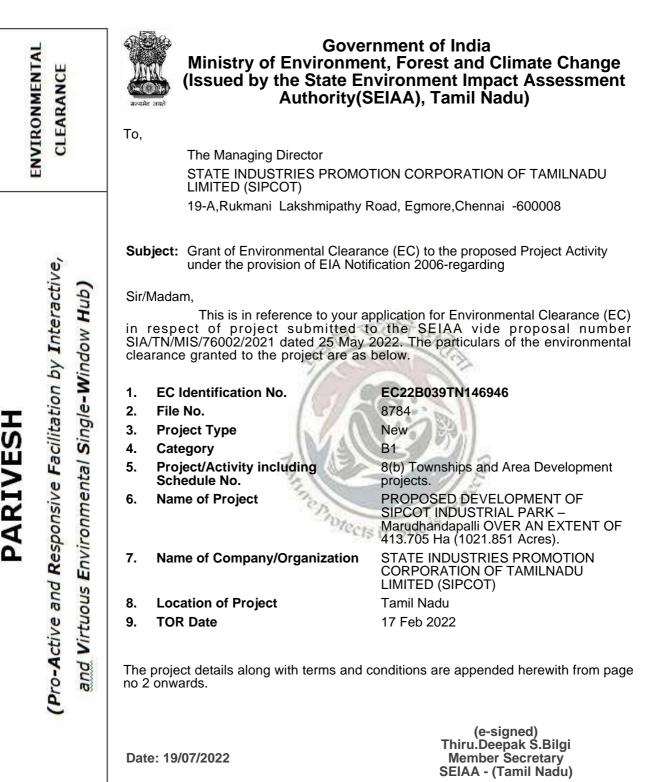
6.0 CONCLUSION

- 1. The environmental monitoring was carried out at site during the period of April 2023 to September 2023.
- 2. All the conditions stipulated in Environmental Clearance are being complied/ will be complied.

Dr. RAJKUMAR SAMUEL **Director Technical**

Name: Dr. Rajkumar Samuel Designation: Director Technical Company Name: Hubert Enviro Care Systems Private Limited

ANNEXURE





Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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THIRU.DEEPAK S.BILGI, I.F.S. MEMBER SECRETARY

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY-TAMILNADU

3rd Floor, Panagal Maaligai, No.1, Jeenis Road, Saidapet, Chennai - 600 015. Phone No. 044-24359973 Fax No. 044-24359975

ENVIRONMENTAL CLEARANCE (EC)

Letter No. SEIAA-TN/F.No.8784/EC/8(a)/ 851 /2022 dated:01.07.2022

Sir/Madam,

Sub: SEIAA, TN - Environmental Clearance - Proposed Development of Industrial Park over an extent of 413.705 Ha (1021.851 Acres) in S.F. Nos. MarudhandapalliS.F.Nos.37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3,40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6,43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D,44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B. 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5,53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7,68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3, 68/4, 69/1, 69/2, 69/3A, 69/3B, 69/3C, 69/3D, 69/3E, 69/3F, 69/3G, 69/3H, 69/3I, 69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2, 72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C, 74/4, 74/5, 75/1, 75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3, 77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82, 83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11, 86/12, 86/13, 86/14, 86/15, 86/16, 86/17, 86/18, 86/19,

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- Ref: 1. TOR vide Lr No. Letter No.SEIAA /TN/F.No. 8784/SEAC /8(b) / ToR-1 060/ 2021 Dt.17.2.2022
 - 2. Online Proposal No. SIA/TN/MIS/76002/2022, dated 21.04.2022
 - 3. Your application for Environmental Clearance dated: 21.04.2022
 - 4. Minutes of the 282nd meeting of SEAC held on 04.06.2022
 - 5. Minutes of the 527th meeting of Authority held on 01.07.2022

This has reference to your application 1st& 2nd cited, for the proposed Development of Industrial Park by M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) under 8(b) Township And Area Development Projects as per the EIA Notification 2006 as Amended.

The Competent Authority and Authorized Signatory furnished the detailed information in Form 1, Form 1A, Conceptual plan and liquidate enclosures are as Annexures:

BER SECRET

Annexure 1

S.	Description	Details					
No							
1.	Name of the Project	Proposed Construction of Development of Industrial Park by M/s.State Industries					
		Promotion Corporation of Tamil Nadu					
2.	Location	S.F. Nos. MarudhandapalliS.F.Nos.37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1					
		39/2, 39/3,40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3					
		42/4, 42/5, 42/6,43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D,44/1, 44/2, 45, 46/1A					
		46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C					
		47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2					
		49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5					
		51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C					
		53/3, 53/4, 53/5,53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B					
		54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A					
		55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B					
		58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1					
		64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C					
		65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3					
	and the second se	67/4, 67/5, 67/6, 67/7,68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3					
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		69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2					
		72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C, 74/4, 74/5, 75/1					
		75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3					
		77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82					
		83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11,					
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		259/2E, 259/3, 260, 263/1A, 263/1B, 263/1C, 263/2A, 263/2B, 263/2C, 263/3,					
		267/1, 267/2, 267/3, 267/4, 267/5, 267/6, 267/7, 267/8, 267/9, 268, 269, 270/1,					
		270/2, 270/3, 271/1, 271/2, 271/3, 271/4, 272/1, 272/2, 272/3, 272/4, 272/5, 373/1,					
		373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F,374/2, 375/1,					

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282/2B2, 282/3A, 282/3B, 283/1, 283/2, 283/3, 284/1A, 284/1B, 284/1C1, 284/1C2, 284/1D1, 284/1D2, 284/1D3, 284/1E, 284/2A, 284/2B, 284/3A, 284/3B, 285/1, 285/2, 285/3, 285/4, 286/1, 286/2, 286/3, 286/4, 286/5, 286/6, 286/7, 286/8, 286/9, 286/10, 287, 288, 289, 290, 291/1, 291/2, 291/3, 291/4, 291/5, 291/6, 291/7, 291/8, 291/9, 291/10, 291/11, 292/1A, 292/1B, 292/2A, 292/2B, 292/2C, 292/2D, 292/2E, 292/2F, 292/2G, 292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2F, 295/2F, 295/2D1, 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2, Soolagiritaluk, Krishnagiri District, Tamil Nadu

Latitude

Longitude

&

S.N	Latitude	Longitude
1	2°41'39.87"N	78° 0'28.76"E
2	2°41'39.59"N	78° 0'24.15"E
3	2°41'40.66"N	78° 0'16.40"E
4	2°41'39.88"N	78° 0'22.88"E
5	2°41'36.78"N	78° 0'21.41"E
6	2°41'35.00"N	78° 0'25.64"E
7	2°41'31.81"N	78° 0'20.73"E
8	2°41'28.14"N	78° 0'29.22"E
9	2°41'30.45"N	78° 0'16.63"E
10	2°41'28.14"N	78° 0'4.05"E
11	2°41'17.33"N	7°59'59.80"E
12	2°41'10.99"N	78° 0'6.51"E
13	2°41'15.93"N	7°59'54.59"E
14	2°41'16.37"N	7°59'42.03"E
15	2°41'24.32"N	7°59'40.71"E
16	2°41'20.86"N	7°59'26.61"E
17	2°40'57.46"N	7°59'29.86"E
18	2°40'31.96"N	7°59'23.20"E
19	2°40'27.88"N	77°59'8.37"E
20	2°40'31.11"N	77°59'7.46"E
21	2°40'36.05"N	7°58'57.81"E
22	2°40'40.20"N	7°59'15.99"E
23	2°40'48.62"N	7°59'17.24"E
24	2°40'45.13"N	7°59'10.30"E

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				ikothapalli V ble area – 40	1.073			.705 Ha (1021 res).	.851 Acres).				
6.	Project Description SIPCOT		proposes dev	velopment o	f Ind	lustrial P	ark at Marudh	andapalli an	d				
5.	Cost of Project Rs. 661 C		rores		1								
	Total land area			1021.851	413.70	5		1021.851	413.705	1			
	Water bodies as per revenue record		21.193	8.580			21.193	8.58					
	Developable area			1000.658	405.12	5	100	1000.658	405.125	100.00			
	Green belt 3 m along road		22.527	9.120	elizeit	2.26	20.343	8.236	2.03				
	OSR	OSR		91.090	36.879		9.10	91.980	37.239	9.19			
	Road, storm water drains		89.758	36.34		8.97	80.865	32.739	8.08				
	Solid waste management			14.000	5.668		1.39	5.000	2.024	0.50			
	Commercial Activities (Bank, ATM, shops, canteen, parking area etc.)		30.020	12.154		3.00	30.020	12.154	3.00				
	Common Amenities (Project office including medical dispensary, water supply, EB, Fire station)		20.013	8.102	1000	2.00	14.200	5.749	1.42				
	Plot area (including belt)	Plot area (including 33% green belt)		733.25	296.86	2	73.28	758.250	306.984	75.78			
		1	1	Acres	Ha		%	Acres	Ha	%			
	Area break up			As per To	R application	on		Revised for	· EIA repor	t			
4.	Total Area (in sq. m)	413.7	'05 H	a (1021.851	Acres)		$\langle Q \rangle$						
3.	Type of Project	Sche	dule	8 (b) - Tow	8 (b) - Townships and area development Projects								
		35	-	42'6.44"N	78° 0'11.5								
		33		42'1.40"N 42'4.98"N	7°59'38.47 7°59'56.21		_						
		32	2°4	1'53.75"N	7°59'21.59	Э"Е							
		30	+	1'31.79"N 1'46.09"N	77°59'5.32 77°59'2.52								
		29		1'22.86"N	77°59'0.97	1	_						
		28		41'8.42"N	7°58'55.20								
	26 27		+	0'45.36"N 0'56.56"N	7°58'57.87"E 7°58'54.05"E								
		25	-	0'51.33"N	77°59'7.38		_						

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		Constraint N				Auto components -6	0% - 184.5		
		Electrical & Electronics- 25% -76.75Ha Food processing -10% - 30.722Ha							
						5% - 14.984Ha			
		Green l	belt ar	rea – 36.23%	- 146.78 Ha				
	Manpower (Nos)	Constru	iction	phase-150 n	OS.				
		operatio	on ph	ase -13,550 n	OS				
3.	Water Requirement	Water I	Requi	rement/per da	ay				
	8	Constru	iction	phase: 100 k	LD				
		Operati	on ph	ase:					
		S.No	Wa	ater Usage	Fresh water (KLD)	Recycled water by individual industries (KLD)	Total water (KLD)		
		1	Dor	nestic	610	0	610		
		2	Pro	cess	827	1256	2083		
		3	Utilities		0	665	665		
	-	4	Gree deve	en belt elopment	4587	550	5137		
	Z		Tota	il	6024	2471	8495		
		Source of water - TWAD Board							
1	Waste Water	Wastew	ater g	enerated/day	-Operation pl	hase			
	Generation and treatment	S.N	No	Wastewater source	Quantity (KLD)	Treatment			
		1		Sewage fro industries	550 ⁵⁵⁰	Will be treat individual industr used for gree development.	ies and		
		2	Effluent fro 2 individual industries		om 1935	Will be treated individual industrused for procesutilities. ZLD with maintained by in	ies and ss and vill be		

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		Construction phase – Sewage – 6.75KLD Mobile STP – 8KLD							
reuse	e of discharge /	Treated sewage - green belt development by individual industries Treated effluent - utilities / process (Individual industries will have their Effluent Treatment Plants and will be mandated to ensure Zero Liquid Disch concept)							
Solid	d waste Generation	1 /2 ·							
S. No	Waste type	Quantity as per ToR application (kg/day)	Quantity revised for EIA (kg/day)	Disposal Method					
	nstruction Phase		Tana and the second						
1	Organic waste	40.5	40.5	Will be collected and disposed in					
2	Inorganic waste	27	27	municipal bins					
	TOTAL	67.5	67.5						
Op	eration Phase								
1	Organic waste	3564	3659	Individual industries will segregate the waste and organic waste will be composted and used as manure for green belt development. Upon allotment of all the industries within IP, 5 Acres of land will be allotted to the contractor selected through tendering process for the establishment of Solid waste management facility on BOOT basis. The compost will be used as manure for green belt development and Inorganic waste will be sold to					

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		æ			vendors.
	2	Inorganic waste	2376 2439		Inorganic waste will be sold to TNPCB authorized recyclers /local vendors by individual industries
		TOTAL	5940	6098	
		ardous waste: In nagement and Tra			undated to dispose as per Hazardous and Other W , 2016
2.	(Ma		nsboundary Mo 42 MVA from	ovement) Rules n TANGEDCO	, 2016

AFFIDAVIT

I, Tmt. E. Sundaravalli, I.A.S., Managing Director, Authorized Signatory, representing M/s. State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) having registered office at 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai – 600008, for proposed "Development of Industrial Park over an extent of 413.705 Ha (1021.851 Acres) at Marudhandapalli Village (S.F.Nos. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2B,

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- I. The total water requirement of the park is estimated at 8495 KLD (Fresh water: 6024 KLD and Recycled water:2471 KLD). Fresh water requirement for the Industrial Park is proposed to be sourced from TWAD vide Industries department GO (MS) No. 269 Dated 11/10/2021.
- II. Power Supply (42 MVA) will be ensured from Tamil Nadu Generation and Distribution Co. Ltd. (TANGEDCO) Facility as a common supply system by SIPCOT to all member industries. The Individual industries will avail power supply from TANGEDCO and may have backup DG sets as per their requirement.
- III. All member industries will be instructed to provide rain water harvesting structures as per norms. SIPCOT will construct Rainwater harvesting pits along the storm water drain for recharging ground water.
- IV. Storm water drainage will be provided as open concrete channels along the road ensuring proper collection of storm water and the same will be used for charging the rain water harvesting structures. We affirm that the storm water drain would not carry any untreated (or) treated sewage.

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- V. All member industries will be instructed to have their own solid waste and hazardous waste storage area within their premises. Inorganic waste will be sold to TNPCB authorized recyclers by member units. SIPCOT has earmarked 5 Acres of land for establishment of Solid Waste Management facility.
- VI. All member industries will be mandated to store and dispose the hazardous waste generated within their premises as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- VII. Individual industries will be mandated to provide STP/ETP with adequate capacity and maintain Zero Liquid Discharge (ZLD) system.
- VIII. Overall Greenbelt area of the park would be 122.114 Hectares (i.e. 30.14% of developable area i.e., 405.125 Ha) apart from OSR. 60m green belt buffer is proposed near the Settipalli Reserve forest as per the Recommendations of Wildlife Warden.

Sl.No	Project Components	Capital Cost (Rs. in Lakhs)
1	Storm Water drains, culverts & rainwater harvesting pits	4090.0
2	Solid Waste Management	100.0
3	Green Belt Development	500.0
4	Environmental Monitoring during Construction Phase	0
5	Fencing, Maintenance, bunding and desilting of water bodies within site	100.0
	4790.0	

IX. Tentative EMP cost of the park is INR 4790 Lakhs. Details are given below:

- X. As per MoEF&CC Office Memorandum dated 01.05.2018 and as per discussion in the 279th & 282nd SEAC meeting, the following will be done as part of CER activity:
 - SIPCOT will allocate Rs. 5 Lakhs (Rs. 1 Lakh per year for 5 years) towards the conservation of medicinal plants in the nearby Reserve Forest viz. identification of medicinal plants, cultivation, maintenance, awareness programme, etc. and the same will be implemented along with Forest department.
 - SIPCOT will remit Rs 25 lakh to DFO, Krishnagiri to carry out appropriate conservation measures like creation of water holes, planting of trees and shrubs that provide forage to wild animals in Cauvery Wild Life Sanctuary.

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Declaration

I, Tmt. E. Sundaravalli, I.A.S., do hereby declare that the statement made by me under para (I) to (X) are true and correct to the best of my knowledge and belief. Nothing is false and nothing is concealed in it.

SEAC Recommendations:

Proposed Development of Industrial Park over an extent of 413.705 Ha (1021.851 Acres) in S.F. Nos. MarudhandapalliS.F.Nos.37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3,40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5,53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7,68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3, 68/4, 69/1, 69/2, 69/3A, 69/3B, 69/3C, 69/3D, 69/3E, 69/3F, 69/3G, 69/3H, 69/3I, 69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2, 72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C,74/4, 74/5, 75/1, 75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3, 77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82, 83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11, 86/12, 86/13, 86/14, 86/15, 86/16, 86/17, 86/18, 86/19, 86/20, 86/21, 86/22, 86/23, 86/24, 86/25, 257/1, 257/2, 258/1, 258/2, 259/1, 259/2A, 259/2B, 259/2C, 259/2D, 259/2E, 259/3, 260, 263/1A, 263/1B, 263/1C, 263/2A, 263/2B, 263/2C, 263/3, 267/1, 267/2, 267/3, 267/4, 267/5, 267/6, 267/7, 267/8, 267/9, 268, 269, 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 271/4, 272/1, 272/2, 272/3, 272/4, 272/5, 373/1, 373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F, 374/2, 375/1, 375/2, 376/1, 376/2A, 376/2B, 377/1A, 377/1B, 377/2, 377/3, 378/1, 378/2, 379/1A, 379/1B, 379/2,380/1, 380/2, 381/1A, 381/1B, 381/1C, 381/2, 382/1, 382/2, 382/3, 382/4A, 382/4B, 382/5, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8, Nallaganakothapalli S.F.Nos. -231/1, 231/2, 232/1A,

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232/1B, 232/1C, 232/1D, 232/1E, 232/2, 232/3A, 232/3B, 232/3C, 232/4A, 232/4B, 232/5, 232/6, 232/7, 232/8, 232/9, 232/10, 232/11A, 232/11B, 233, 234/1, 234/2, 234/3, 234/4, 234/5, 234/6, 234/7, 234/8, 235/1A, 235/1B, 235/1C, 235/1D, 235/1E, 235/1F, 235/1G, 235/1H, 235/1I, 235/1J, 235/1K, 235/1L, 235/1M, 235/1N, 235/1O, 235/1P, 235/1Q, 235/1R, 235/1S, 235/2, 235/3, 235/4, 235/5, 235/6, 235/7, 235/8, 235/9, 243/1A, 243/1B, 243/1C, 243/1D, 243/1E, 243/1F, 243/1G, 243/1H, 243/1I, 243/1J, 243/2, 243/3, 243/4, 243/5A, 243/5B, 243/5C, 243/5D, 243/5E, 243/5F, 243/5G, 243/5H, 243/5I, 243/5J, 243/6, 243/7, 243/8, 243/9, 243/10, 243/11, 243/12, 243/13, 243/14, 243/15, 244/1, 244/2A, 244/2B, 245/1, 245/2, 245/3A, 245/3B, 245/4A, 245/4B, 246/1, 246/2, 246/3, 246/4, 247, 249, 250/1A, 250/1B, 250/2A, 250/2B, 250/3, 251/1A, 251/1B, 251/1C, 251/1D, 251/1E, 251/2A, 251/2B, 251/3, 251/4, 252/1, 252/2, 252/3, 252/4, 253, 254/1, 254/2, 254/3, 254/4, 254/5, 254/6, 254/7, 254/8, 254/9, 254/10, 254/11, 254/12, 254/13, 255/1A, 255/1B, 255/1C, 255/1D, 255/1E, 255/1F, 255/1G, 255/1H, 255/1I, 255/1J, 255/1K, 255/1L, 255/1M, 255/1N, 255/1O, 255/1P, 255/1Q, 255/1R, 255/2, 255/3, 256/1, 256/2, 256/3, 257/1, 257/2, 257/3, 257/4, 258/1, 258/2, 259/1A, 259/1B, 259/2A, 259/2B, 260/1, 260/2A, 260/2B, 260/3, 260/4A, 260/4B, 260/4C, 260/4D, 260/4E, 260/4F, 260/5, 260/6, 261/1, 261/2, 261/3A, 261/3B, 261/3C, 261/3D, 261/3E, 261/3F, 262/1A1, 262/1A2, 262/1B, 262/2, 262/3A1, 262/3A2, 262/3B, 262/4, 262/5A, 262/5B, 262/6, 262/7, 262/8, 263/1A, 263/1B, 263/1C, 263/1D, 263/1E, 263/1F, 263/2, 264/1, 264/2, 264/3, 264/4, 265/1, 265/2, 265/3, 265/4, 265/5, 266/1A, 266/1B, 266/1C, 266/1D, 266/1E1, 266/1E2, 266/2A, 266/2B, 266/3A, 266/3B, 266/4A, 266/4B, 266/5, 267/1, 267/2, 267/3, 268/1, 268/2A, 268/2B, 268/2C, 268/2D, 268/2E, 268/2F, 268/2G, 268/2H, 268/2I, 268/2J, 268/2K, 268/3, 269/1, 269/2, 269/3, 270/1A, 270/1B, 270/1C, 270/1D, 270/1E, 270/1F, 270/1G, 270/1H, 270/1I, 270/1J, 270/2, 271/1, 271/2, 271/3, 271/4, 271/5, 272, 273/1, 273/2, 274/1, 274/2, 275/1, 275/2, 275/3, 275/4A, 275/4B, 276, 277/1, 277/2,278, 279/1, 279/2, 280/2, 280/4, 280/6, 281/1, 281/2, 281/3, 281/5, 281/6, 282/1, 282/2A, 282/2B1, 282/2B2, 282/3A, 282/3B, 283/1, 283/2, 283/3, 284/1A, 284/1B, 284/1C1, 284/1C2, 284/1D1, 284/1D2, 284/1D3, 284/1E, 284/2A, 284/2B, 284/3A, 284/3B, 285/1, 285/2, 285/3, 285/4, 286/1, 286/2, 286/3, 286/4, 286/5, 286/6, 286/7, 286/8, 286/9, 286/10, 287, 288, 289, 290, 291/1, 291/2, 291/3, 291/4, 291/5, 291/6, 291/7, 291/8, 291/9, 291/10, 291/11, 292/1A, 292/1B, 292/2A, 292/2B, 292/2C, 292/2D, 292/2E, 292/2F, 292/2G, 292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2D2, 295/2D3, 295/2E1,

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295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2, Soolagiritaluk, Krishnagiri District– For Environmental Clearance SIA/TN/MIS/76002/2021 Dt. 21.4.2022

The proposal was placed for appraisal in this 282nd meeting of SEAC held on 4.6.2022. The details of the project furnished by the proponent are given in the website (parivesh. nic.in). The SEAC noted the following:

- The Project the proponent M/s.State Industries Promotion Corporation of Tamil Nadu Limited (SIPCOT) has applied for seeking Terms of Reference for the Proposed Development of Industrial Park at S.F.Nos. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A,60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, etc., of Marudhandapalli and Nallaganakothapalli Villages,Shoolagiri Taluk, Krishnagiri District, Tamilnadu
- The Project/activity in land area of 413.705 Ha (1021.851 Acres) under category "B1" of Item 8(b)-Townships and Area Development Projects of the Schedule to the EIA Notification 2006.
- The PP has obtained TOR vide Lr No. Letter No.SEIAA /TN/F.No. 8784/SEAC /8(b) / ToR-1 060/ 2021 Dt.17.2.2022.
- 4. Earlier, this proposal was placed in 279th meeting of SEAC held on 29.5.2022. The PP has made the presentation. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the PP.
 - 1. Since, the project site near Reserve Forest, the PP shall furnish the NOC from the Wild life warden.
 - 2. Details on the no. of trees at site with no. of trees which will be cut for road Formation.

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- 3. OSR to be excluded from green belt and overall green belt should be 30%.
- 4. Undertaking to be given by SIPCOT to provide 20% power requirement by solar power by providing roof top solar panels by individual industries and also to mandate industries to obtain IGBC certification.
- 5. Conservation plan for Medicinal climbers in Reserve forest area to be submitted.
- 6. Area for Solid waste management to be relocated and provision to be made for storage of E waste.
- 7. Desilting of water bodies at site with appropriate bunding and maintenance cost to be included in EMP.

Now, the PP has furnished the reply and the proposal again been placed in 282nd SEAC meeting held on 4.6.2022. The PP has made the representation covering the above said details.

Based on the presentation & documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to normal conditions stipulated by MOEF &CC:

- 1. All the water bodies shall be maintained properly
- The Proponent shall ensure that no schedule A & B industries as per EIA Notification 2006, shall be allowed in the Park.
- Individual industries shall be advised to retain the trees if possible. In case of removal of trees, the industries shall be planting 10 trees in their respective green belt area for cutting 1 tree.
- 4. The project proponent shall ensure that the individual industries to be housed in the SIPCOT to achieve ZLD.
- 5. The project proponent shall submit flood inundation certificate and shall fix the level according to the conditions issued in the certificate.
- 6. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.
- 7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
- The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
- 9. The sludge generated from the Sewage Treatment Plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after

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- 10. The purpose of Green belt around the project is to capture the fugitive emissions and to attenuate the noise generated, in addition to the improvement in the aesthetics. A wide range of indigenous plants species should be planted in and around the premise in consultation with the DFO, District / State Agriculture University. The plants species should have thick canopy cover, perennial green nature, native origin and large leaf areas. Medium size trees and small trees alternating with shrubs shall be planted. Miyawaki method of planting i.e. planting different types of trees at very close intervals may be tried which will give a good green cover. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 33% of the total area and the same shall not be used for car parking/OSR,
- 11. The project proponent shall provide entry and exit points for the OSR area as per the norms for the pubic usage and as committed.
- 12. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
- 13. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
- 14. No waste of any type to be disposed off in any other way other than the approved one.
- 15. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
- 16. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
- The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.
- The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.
- 19. Solar energy should be at least 20% of total energy utilization. Application of solar energy

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should be utilized maximum for illumination of common areas, street lighting etc.

- 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 adhere EMP furnished.
- 21. As accepted, the PP shall remit Rs 25 lakh to DFO, Krishnagiri, to carry out appropriate conservation measures, like creation of water holes, planting of trees and shrubs that provide forage to wild animals in Cauvery Wild Life Sanctuary.

SEIAA Recommendations:

The proposal was placed in the 527th meeting of Authority held on 01.07.2022. The Authority noted that the subject was placed in the 282nd meeting of SEAC held on 04.06.2022. After detailed deliberation, the Authority accepted the recommendation of SEAC and decided to grant of Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:

- 1. The proponent shall ensure compliance of all the conditions imposed in the DFO/Hosur letter addressed to the Wildlife Warden, Dharmapuri.
- 2. The Proponent shall start the development of Industrial Park only after completing the land acquisition for the total area of proposed development of industrial park.
- 3. The Proponent shall furnish the necessary documents for complete land acquisition of the proposed Industrial Park to TNPCB before obtaining CTE.
- 4. All the construction of Buildings shall be energy efficient and conform to the green building norms.
- 5. The proponent shall ensure that no treated or untreated trade effluent/sewage shall be discharged outside the premises under any circumstances
- 6. All biosafety standards, hygienic standards and safety norms of working staff and patients to be strictly followed as stipulated in EIA/EMP.
- The disaster management and disaster mitigation standards to be seriously adhered to avoid any calamities.
- 8. The proponent shall ensure that the EIA/EMP and disaster management plan should be adhered strictly.
- 9. The activities should in no way cause emission and build-up Green House Gases. All actions to be eco friendly and support sustainable management of the natural resources within and outside the campus premises.

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- The proponent should strictly comply with, Tamil Nadu Government order regarding ban on one time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986.
- The proponent shall ensure that provision should be given for proper utilization of recycled water.
- 12. The proponent shall ensure that all trees & biodiversity listed in EIA report to be protected within the premises.
- 13. The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.
- 14. All the Buildings shall be energy efficient and confirm to the green building norms.
- 15. The proponent shall ensure almost safety for the existing biodiversity, trees, flora & fauna shall not disturb under any circumstances.
- 16. The proponent shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.
- 17. The proponent shall ensure that the activities undertaken should not result in carbon emission, and temperature rise, in the area.
- 18. The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.
- 19. The proponent shall provide and ensure the green belt plan is implemented as indicated in EMP. There should be sufficient grass lawns and play facility for children.
- 20. The proponent shall provide the emergency exit in the buildings.
- 21. The proponent shall provide elevator as per rules CMDA/DTCP.
- 22. The proponent shall provide adequate capacity of DG set (standby) for the proposed STP so as ensure continues and efficient operation.
- 23. The proponent shall adhere to the provision and norms regard to fire safety prescribed by competent authority.
- 24. The project proponent shall adhere to storm water management plan as committed.
- 25. The project proponent shall obtain NOC from competent Authority in view of flood inundation before obtaining CTE from TNPCB.
- 26. The project proponent shall obtain NOC from competent Authority impact on water bodies.

Environmental Clearance along with the conditions containing four parts namely

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

Part - B - Specific Conditions - Pre construction phase

Part - C - Specific Conditions - Construction phase

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

Validity:

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

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

- Any appeal against this Environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 2. The construction of STP, ETP, 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.
- 5. The SEIAA reserves the right to add additional safeguard measures subsequently, if noncompliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.

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- 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.
- 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 rules to this project.
- 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; PM_{10} , $PM_{2.5}$, SO_2 , NO_x (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 setup 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 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.
- 22. The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- The project activity should not cause any disturbance & deterioration of the local bio diversity.

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- 24. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
- 25. All the assessed flora & fauna should be conserved and protected.
- 26. 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.
- 27. Necessary permission shall be obtained from the competent authority for the drawl / outsourcing of fresh water before obtaining consent from TNPCB.
- 28. The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and maintenance of STP (Sewage Treatment Plant) and GWTP (grey water Treatment Plant)
- 29. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
- 30. All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
- 31. No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- 32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided.
- 33. The safety measures proposed in the report should be strictly followed.

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.

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- 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 firefighting 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. The height and coverage of the constructions shall be in accordance with the existing FSI/FAR norms as per Coastal Regulation Zone Notification, 2011.
- 9. 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

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- 10. A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.
- 11. The present land use surrounding the project site shall not be disturbed at any point of time.
- 12. The green belt area shall be planted with indigenous native trees.
- 13. 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.

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- 14. During the construction and operation phase, there should be no disturbance to the aquatic eco-system within and outside the area.
- The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.
- 16. There should be Firefighting plan and all required safety plan.

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 laborers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.
- 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 private tankers
- 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. 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.

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- 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 devises / sensor based control.

4. Solid Waste Management:

- i) In the solid waste management plan, the STP sludge management plan for direct use as manure for gardens is not acceptable; it must be co-composted with biodegradables.
- ii) Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
- iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and disposed as per the solid waste management rules 2016.
- iv) No waste of any type to be disposed of in any watercourse including drains, canals and the surrounding environment.
- v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.

5. Top Soil Management:

 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:

- 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 barrels 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 project proponent should ensure that adequate Air Pollution Control measures shall be provided from buses and other vehicles, which will be entering the bus terminal. Further, water sprinkling system shall be provided and same shall be used at regular interval to control the dust emission within the project site.

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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 27th 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.
- ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.

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:

- Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.
- 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:

- 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 proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meter wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval.
- iii) The proponent shall develop the green belt as per the plan furnished and area earmarked for the greenbelt shall not be alter at any point of time for any other purpose.

14. Sewage Treatment Plant:

- i) The Sewage Treatment Plant (STP) 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 as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.
- iii) The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.

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- iv) The project proponent shall continuously operate and maintain the Sewage treatment plant and Effluent treatment plant to achieve the standards prescribed by the CPCB.
- v) The project proponent has to ensure the complete recycling of treated Sewage &Effluent water after achieving the standards prescribed by the CPCB.
- vi) The project proponent has to provide separate standby D.G set for the STP/GWTP for the continuous operation of the STP/GWTP in case of power failure.

15. Rain Water Harvesting:

- The proponent 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.
- 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.
- iii) The Project Proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.
- The project activity should not cause any disturbance & deterioration of the local bio diversity.

16. Building Safety:

Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.

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

- 1. There should be Firefighting plan and all required safety plan.
- 2. Regular fire drills should be held to create awareness among owners/ residents. employeus.
- 3. Hazardous waste such as batteries, small electronics, CFL bulbs, expired medicines and used cleaning solvent bottles should be segregated at source, collected once in a month from residences and disposed as per the SWM Rules 2016.
- 4. The building should not spoil the green views and aesthetics of surroundings and should provide enough clean air space.
- 5. Solar energy saving shall be increased to atleast10% of total energy utilization.

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- 6. The Project proponent has to spend the CER as committed in the affidavit. The above activity shall be carried out before obtaining CTO from TNPCB.
- 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
- 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.
- 9. The Project proponent shall get due permission from the wetland Authority before the commencement of the work, if applicable.
- 10. The Project proponent should discuss with the wet land Authority, Tamil Nadu Forest Department, PWD and support lake restoration cum improvement, awareness and conservation programs.
- 11. The project activities should in no way disturb the manmade structures.
- 12. 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.
- 13. "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.
- 14. Raw water quality to be checked for portability and if necessary RO plant shall be provided.
- 15. 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.
- 16. The ground water level and its quality should be monitored and recorded regularly in consultation with Ground Water Authority.

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- 17. 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.
- 18. The Proponent shall operate STP continuously by providing stand by DG set in case of power failure.
- 19. 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
- 20. Adequate measures should be taken to prevent odour emanating from solid waste processing plant and STP.
- 21. The e waste generated should be collected and disposed to a nearby authorized e-waste centre as per E- waste (Management & Handling), Rules 2016 as amended.
- 22. 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 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.
- 23. The noise level shall be maintained as per MoEF/CPCB/TNPCB guidelines/norms both during day and night time.
- 24. 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.
- 25. The proponent is required to provide a house hold hazardous waste / E-waste collection and disposal mechanism.
- 26. The proponent 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.
- 27. 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.

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- 28. 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.
- 29. 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.

MEMBER SECRE

SEIAA

Copy to:

- The Additional Chief 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 - 110032.
- The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
- The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ), 34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34.
- Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
- 6. The Corporation of Krishnagiri, Chennai District.
- 7. Stock File.





TAMIL NADU POLLUTION CONTROL BOARD

Category of the Industry :

RED

CONSENT ORDER NO. 2201246985919 DAT

DATED: 21/09/2022.

PROCEEDINGS NO.T4/TNPCB/F.3290HSR/RL/HSR/A/2022 DATED: 21/09/2022

- SUB: TNPC Board-Consent for Establishment-M/s. SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK, S.F. No. SF.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/1, 64/2, 64/2B, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 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272/3, 272/4, 272/5, 373/1, 373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F, 374/2, 375/1, 375/2, 376/1, 376/2A, 376/2B, 377/1A, 377/1B, 377/2, 377/3, 378/1, 378/2, 379/1A, 379/1B, 379/2, 380/1, 380/2, 381/1A, 381/1B, 381/1C, 381/2, 382/1, 382/2, 382/3, 382/4A, 382/4B, 382/5, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8 of Marudhandapalli Village and SF.No. 231/1, 231/2, 232/1A, 232/1B, 232/1C, 232/1D, 232/1E, 232/2, 232/3A, 232/3B, 232/3C, 232/4A, 232/4B, 232/5, 232/6, 232/7, 232/8, 232/9, 232/10, 232/11A, 232/11B, 233, 234/1, 234/2, 234/3, 234/4, 234/5, 234/6, 234/7, 234/8, 235/1A, 235/1B, 235/1C, 235/1D, 235/1E, 235/1F, 235/1G, 235/1H, 235/1I, 235/1J, 235/1L, 235/1L, 235/1N, 235/ 235/10, 235/1P, 235/1Q, 235/1R, 235/1S, 235/2, 235/3, 235/4, 235/5, 235/6, 235/7, 235/8, 235/9, 243/1A, 243/1B, 243/1C, 243/1D, 243/1E, 243/1F, 243/1G, 243/1H, 243/1I, 243/1J, 243/2, 243/3, 243/4, 243/5A, 243/5B, 243/5C, 243/5D, 243/5E, 243/5F, 243/5G, 243/5H, 243/5I, 243/5J, 243/6, 243/7, 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291/11, 292/1A, 292/1B, 292/2A, 292/2B, 292/2C, 292/2D, 292/2E, 292/2F, 292/2G, 292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 2 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297/1, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2 of Nallaganakothapalli Village., MARUDHANDAPALLI village, Shoolagiri Taluk and Krishnagiri District - for the establishment or take steps to establish the industry under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987(Central Act. 14 of 1981)-Issued -Reg.
- REF: 1. Unit's application for CTE-New on 17.08.2022
 - 2. IR.No : F.3290HSR/RL/AE/HSR/2022 dated 07/09/2022
 - 3. Minutes of TSC Resolution No. 204-09 dated 16.09.2022

Consent to establish or take steps to establish is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Managing Director,

M/s . SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK

S.F.No. SF.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7, 68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3, 68/4, 69/1, 69/2, 69/3A, 69/3B, 69/3C, 69/3D, 69/3E, 69/3F, 69/3G, 69/3H, 69/3I, 69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2, 72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C, 74/4, 74/5, 75/1, 75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3, 77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82, 83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11, 86/12, 86/13, 86/14, 86/15, 86/16, 86/17, 86/18, 86/19, 86/20, 86/21, 86/22, 86/23, 86/24, 86/25, 257/1, 257/2, 258/1, 258/2, 259/1, 259/2A, 259/2B, 259/2C, 259/2D, 259/2E, 259/3, 260, 263/1A, 263/1B, 263/1C, 263/2A, 263/2B, 263/2C, 263/3, 267/1, 267/2, 267/3, 267/4, 267/5, 267/6, 267/7, 267/8, 267/9, 268, 269, 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 271/4, 272/1, 272/2, 272/3, 272/4, 272/5, 373/1, 373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F, 374/2, 375/1, 375/2, 376/1, 376/2A, 376/2B, 377/1A, 377/1B, 377/2, 377/3, 378/1, 378/2, 379/1A, 379/1B, 379/2, 380/1, 380/2, 381/1A, 381/1B, 381/1C, 381/2, 382/1, 382/2, 382/3, 382/4A, 382/4B, 382/5, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8 of Marudhandapalli Village and SF.No. 231/1, 231/2, 232/1A, 232/1B, 232/1C, 232/1D, 232/1E, 232/2, 232/3A, 232/3B, 232/3C, 232/4A, 232/4B, 232/5, 232/6, 232/7, 232/8, 232/9, 232/10, 232/11A, 232/11B, 233, 234/1, 234/2, 234/3, 234/4, 234/5, 234/6, 234/7, 234/8, 235/1A, 235/1B, 235/1C, 235/1D, 235/1E, 235/1F, 235/1G, 235/1H, 235/1I, 235/1J, 235/1K, 235/1L, 235/1M, 235/1N, 235/1O, 235/1P, 235/1Q, 235/1R, 235/1S, 235/2, 235/3, 235/4, 235/5, 235/6, 235/7, 235/8, 235/9, 243/1A, 243/1B, 243/1C, 243/1D, 243/1E, 243/1F, 243/1G, 243/1H, 243/1I, 243/1J, 243/2, 243/3, 243/4, 243/5A, 243/5B, 243/5C, 243/5D, 243/5E, 243/5F, 243/5G, 243/5H, 243/5I, 243/5J, 243/6, 243/7, 243/8, 243/9, 243/10, 243/11, 243/12, 243/13, 243/14, 243/15, 244/1, 244/2A, 244/2B, 245/1, 245/2, 245/3A, 245/3B, 245/4A, 245/4B, 246/1, 246/2, 246/3, 246/4, 247, 249, 250/1A, 250/1B, 250/2A, 250/2B, 250/3, 251/1A, 251/1B, 251/1C, 251/1D, 251/1E, 251/2A, 251/2B, 251/3, 251/4, 252/1, 252/2, 252/3, 252/4, 253, 254/1, 254/2, 254/3, 254/4, 254/5, 254/6, 254/7, 254/8, 254/9, 254/10, 254/11, 254/12, 254/13, 255/1A, 255/1B, 255/1C, 255/1D, 255/1E, 255/1F, 255/1G, 255/1H, 255/1I, 255/1J, 255/1K, 255/1L, 255/1M, 255/1N, 255/1O, 255/1P, 255/1Q, 255/1R, 255/2, 255/3, 256/1, 256/2, 256/3, 257/1, 257/2, 257/3, 257/4, 258/1, 258/2, 259/1A, 259/1B, 259/2A, 259/2B, 260/1, 260/2A, 260/2B, 260/3, 260/4A, 260/4B, 260/4C, 260/4D, 260/4E, 260/4F, 260/5, 260/6, 261/1, 261/2, 261/3A, 261/3B, 261/3C, 261/3D, 261/3E, 261/3F, 262/1A1, 262/1A2, 262/1B, 262/2, 262/3A1, 262/3A2, 262/3B, 262/4, 262/5A, 262/5B, 262/6, 262/7, 262/8, 263/1A, 263/1B, 263/1C, 263/1D, 263/1E, 263/1F, 263/2, 264/1, 264/2, 264/3, 264/4, 265/1, 265/2, 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292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297/1, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2 of Nallaganakothapalli Village.,

MARUDHANDAPALLI Village,

Shoolagiri Taluk,

Krishnagiri District.

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No. SF.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1,

49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7, 68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3, 68/4, 69/1, 69/2, 69/3A, 69/3B, 69/3C, 69/3D, 69/3E, 69/3F, 69/3G, 69/3H, 69/3I, 69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2, 72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C, 74/4, 74/5, 75/1, 75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3, 77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82, 83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11, 86/12, 86/13, 86/14, 86/15, 86/16, 86/17, 86/18, 86/19, 86/20, 86/21, 86/22, 86/23, 86/24, 86/25, 257/1, 257/2, 258/1, 258/2, 259/1, 259/2A, 259/2B, 259/2C, 259/2D, 259/2E, 259/3, 260, 263/1A, 263/1B, 263/1C, 263/2A, 263/2B, 263/2C, 263/3, 267/1, 267/2, 267/3, 267/4, 267/5, 267/6, 267/7, 267/8, 267/9, 268, 269, 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 271/4, 272/1, 272/2, 272/3, 272/4, 272/5, 373/1, 373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F, 374/2, 375/1, 375/2, 376/1, 376/2A, 376/2B, 377/1A, 377/1B, 377/2, 377/3, 378/1, 378/2, 379/1A, 379/1B, 379/2, 380/1, 380/2, 381/1A, 381/1B, 381/1C, 381/2, 382/1, 382/2, 382/3, 382/4A, 382/4B, 382/5, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8 of Marudhandapalli Village and SF.No. 231/1, 231/2, 232/1A, 232/1B, 232/1C, 232/1D, 232/1E, 232/2, 232/3A, 232/3B, 232/3C, 232/4A, 232/4B, 232/5, 232/6, 232/7, 232/8, 232/9, 232/10, 232/11A, 232/11B, 233, 234/1, 234/2, 234/3, 234/4, 234/5, 234/6, 234/7, 234/8, 235/1A, 235/1B, 235/1C, 235/1D, 235/1E, 235/1F, 235/1G, 235/1H, 235/1I, 235/1J, 235/1K, 235/1L, 235/1M, 235/1N, 235/1O, 235/1P, 235/1Q, 235/1R, 235/1S, 235/2, 235/3, 235/4, 235/5, 235/6, 235/7, 235/8, 235/9, 243/1A, 243/1B, 243/1C, 243/1D, 243/1E, 243/1F, 243/1G, 243/1H, 243/1I, 243/1J, 243/2, 243/3, 243/4, 243/5A, 243/5B, 243/5C, 243/5D, 243/5E, 243/5F, 243/5G, 243/5H, 243/5I, 243/5J, 243/6, 243/7, 243/8, 243/9, 243/10, 243/11, 243/12, 243/13, 243/14, 243/15, 244/1, 244/2A, 244/2B, 245/1, 245/2, 245/3A, 245/3B, 245/4A, 245/4B, 246/1, 246/2, 246/3, 246/4, 247, 249, 250/1A, 250/1B, 250/2A, 250/2B, 250/3, 251/1A, 251/1B, 251/1C, 251/1D, 251/1E, 251/2A, 251/2B, 251/3, 251/4, 252/1, 252/2, 252/3, 252/4, 253, 254/1, 254/2, 254/3, 254/4, 254/5, 254/6, 254/7, 254/8, 254/9, 254/10, 254/11, 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271/4, 271/5, 272, 273/1, 273/2, 274/1, 274/2, 275/1, 275/2, 275/3, 275/4A, 275/4B, 276, 277/1, 277/2, 278, 279/1, 279/2, 280/2, 280/4, 280/6, 281/1, 281/2, 281/3, 281/5, 281/6, 282/1, 282/2A, 282/2B1, 282/2B2, 282/3A, 282/3B, 283/1, 283/2, 283/3, 284/1A, 284/1B, 284/1C1, 284/1C2, 284/1D1, 284/1D2, 284/1D3, 284/1E, 284/2A, 284/2B, 284/3A, 284/3B, 285/1, 285/2, 285/3, 285/4, 286/1, 286/2, 286/3, 286/4, 286/5, 286/6, 286/7, 286/8, 286/9, 286/10, 287, 288, 289, 290, 291/1, 291/2, 291/3, 291/4, 291/5, 291/6, 291/7, 291/8, 291/9, 291/10, 291/11, 292/1A, 292/1B, 292/2A, 292/2B, 292/2C, 292/2D, 292/2E, 292/2F, 292/2G, 292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297/1, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2 of Nallaganakothapalli Village.,

> MARUDHANDAPALLI Village, Shoolagiri Taluk, Krishnagiri District.

This Consent to establish is valid upto **June 30, 2029**, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

То

The Managing Director,

M/s.SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK,

This is computer generated order. Signature is not required. 4

State Industries Promotion Corporation of Tamil Nadu Limited, No. 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai.,Krishnagiri District Pin: 600008

Copy to:

1. The Commissioner, SHOOLAGIRI-Panchayat Union, Shoolagiri Taluk, Krishnagiri District .

2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, HOSUR.

3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.

4. File

SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/ byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
	Product Details		
1.	It is an infrastructure development project in a total area of 413.705 Ha (1021.851ac). It involves development and maintenance of infrastructure such as roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate following type of industries: 1.Engineering, fabrication, automobiles & Auto components; 2. Electrical & Electronics; 3. Food processing; 4. Other Non EC category industries	413.705	Hectares

2. This consent to establish is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

Ι	Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr	
II	Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures		

3. Special Additional Conditions:

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

4. Additional Conditions:

1. The SIPCOT shall comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Letter No. SEIAA/TN/F-8784/ EC/8(a)/851/2022 dated 01.07.2022. 2. The SIPCOT shall ensure that no process emission is let out from its activity.

3. The SIPCOT shall conduct Ambient Noise level survey report and Ambient Air Quality survey report for base line data to assess the quality of Ambient Air and Ambient Noise level and submit the report within one month's time.

4. The SIPCOT shall ensure that the allotted industries provide adequate APC/ acoustic/ odour control measures, so as to ensure that the emission satisfy the AAQ/SM/ANL standards prescribed by the Board and for containment of odour emanating from the industries.

5. The SIPCOT shall initiate action to develop green belt in 33% of total area with native species.

6. The SIPCOT shall remit consent fee in case of revision by the Government.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

GENERAL CONDITIONS

- 1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
- 2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
- 3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
- 4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
- 5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
- 6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
- 7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
- 8. The unit shall develop green belt of adequate width around the premises.
- 9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

** This consent order is computer generated by OCMMS of TNPCB and no signature is needed**





TAMIL NADU POLLUTION CONTROL BOARD

Category of the Industry :

RED

CONSENT ORDER NO. 2201146985919 DA

DATED: 21/09/2022.

PROCEEDINGS NO.T4/TNPCB/F.3290HSR/RL//HSR/W/2022 DATED: 21/09/2022

- SUB: TNPC Board-Consent for Establishment-M/S SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK S.F No. SF.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 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293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 295/2D1, 295/2A1, 295/2A1, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C1, 295/2D1, 2 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297/1, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2 of Nallaganakothapalli Village., MARUDHANDAPALLI Village, Shoolagiri Taluk, Krishnagiri District - for the establishment or take steps to establish the industry under Section 25 of the Water (Prevention and control of Pollution)Act, 1974, as amended in 1988(Central Act 6 of 1974)- Issued- Reg.
- REF: 1. Unit's application for CTE-New on 17.08.2022
 - 2. IR.No : F.3290HSR/RL/AE/HSR/2022 dated 07/09/2022
 - 3. Minutes of TSC Resolution No. 204-09 dated 16.09.2022

Consent to establish or take steps to establish is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 6 of 1974) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Managing Director,

SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No.SF.No. 37/1, 37/2, 37/3, 38/1, 38/2, 38/3, 38/4, 39/1, 39/2, 39/3, 40, 41/1, 41/2, 41/3, 41/4, 41/5, 41/6, 41/7, 42/1, 42/2A, 42/2B, 42/3, 42/4, 42/5, 42/6, 43/1, 43/2, 43/3A, 43/3B, 43/3C, 43/3D, 44/1, 44/2, 45, 46/1A, 46/1B, 46/1C, 46/2, 46/3, 46/4, 46/5A1, 46/5A2, 46/5B, 47/1, 47/2A, 47/2B, 47/2C, 47/3, 47/4, 47/5A, 47/5B, 47/6, 47/7A, 47/7B, 48/1, 48/2A, 48/2B, 49/1, 49/2, 49/3A, 49/3B, 49/4, 50/1A, 50/1B, 50/2A, 50/2B, 50/3, 51/1, 51/2, 51/3, 51/4, 51/5, 51/6, 51/7, 52/1, 52/2, 52/3, 52/4, 53/1A1, 53/1A2, 53/1B, 53/2A, 53/2B, 53/2C, 53/3, 53/4, 53/5, 53/6A, 53/6B, 53/6C, 53/6D, 53/6E, 53/6F, 54/1, 54/2A, 54/2B, 54/2C, 54/2D, 54/2E, 54/2F, 54/2G, 54/2H, 54/2I, 54/2J, 54/2K, 54/3, 55/1A, 55/1B, 55/1C, 55/2, 55/3, 56, 57/1, 57/2, 58/1A1, 58/1A2, 58/1A3, 58/1A4, 58/1B, 58/2, 59/1, 59/2, 60/1, 60/2A, 60/2B, 60/3, 60/4, 61/1, 61/2, 62, 63/2, 63/1, 64/1, 64/2A, 64/2B, 64/2C, 64/2D, 64/2E, 64/2F, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C, 65/3, 65/4, 65/5A, 65/5B, 65/5C, 65/6, 66, 67/1, 67/2, 67/3, 67/4, 67/5, 67/6, 67/7, 68/1A, 68/1B, 68/1C, 68/1D, 68/1E, 68/1F, 68/1G, 68/3, 68/4, 69/1, 69/2, 69/3A, 69/3B, 69/3C, 69/3D, 69/3E, 69/3F, 69/3G, 69/3H, 69/3I, 69/4A, 69/4B, 69/4C, 69/5, 69/6A, 69/6B, 69/7A, 69/7B, 70/1, 70/2, 71/1, 71/2, 72/1, 72/2, 73/1, 73/2, 74/1, 74/2A, 74/2B, 74/3A, 74/3B, 74/3C, 74/4, 74/5, 75/1, 75/2, 75/3, 76/2A, 76/2B, 76/2C, 76/3A, 76/3B, 76/3C, 76/4, 76/5, 77/1, 77/2, 77/3, 77/4, 77/5, 77/6, 78, 79, 80/1, 80/2A, 80/2B, 80/3, 81/1, 81/2, 81/3, 81/4, 81/5, 82, 83, 86/1, 86/2A, 86/2B, 86/3, 86/4, 86/5, 86/6, 86/7, 86/8, 86/9, 86/10, 86/11, 86/12, 86/13, 86/14, 86/15, 86/16, 86/17, 86/18, 86/19, 86/20, 86/21, 86/22, 86/23, 86/24, 86/25, 257/1, 257/2, 258/1, 258/2, 259/1, 259/2A, 259/2B, 259/2C, 259/2D, 259/2E, 259/3, 260, 263/1A, 263/1B, 263/1C, 263/2A, 263/2B, 263/2C, 263/3, 267/1, 267/2, 267/3, 267/4, 267/5, 267/6, 267/7, 267/8, 267/9, 268, 269, 270/1, 270/2, 270/3, 271/1, 271/2, 271/3, 271/4, 272/1, 272/2, 272/3, 272/4, 272/5, 373/1, 373/2, 373/3, 374/1A, 374/1B, 374/1C, 374/1D, 374/1E, 374/1F, 374/2, 375/1, 375/2, 376/1, 376/2A, 376/2B, 377/1A, 377/1B, 377/2, 377/3, 378/1, 378/2, 379/1A, 379/1B, 379/2, 380/1, 380/2, 381/1A, 381/1B, 381/1C, 381/2, 382/1, 382/2, 382/3, 382/4A, 382/4B, 382/5, 382/6A, 382/6B, 382/6C, 382/7A, 382/7B, 382/8 of Marudhandapalli Village and SF.No. 231/1, 231/2, 232/1A, 232/1B, 232/1C, 232/1D, 232/1E, 232/2, 232/3A, 232/3B, 232/3C, 232/4A, 232/4B, 232/5, 232/6, 232/7, 232/8, 232/9, 232/10, 232/11A, 232/11B, 233, 234/1, 234/2, 234/3, 234/4, 234/5, 234/6, 234/7, 234/8, 235/1A, 235/1B, 235/1C, 235/1D, 235/1E, 235/1F, 235/1G, 235/1H, 235/1I, 235/1J, 235/1K, 235/1L, 235/1M, 235/1N, 235/1O, 235/1P, 235/1Q, 235/1R, 235/1S, 235/2, 235/3, 235/4, 235/5, 235/6, 235/7, 235/8, 235/9, 243/1A, 243/1B, 243/1C, 243/1D, 243/1E, 243/1F, 243/1G, 243/1H, 243/1I, 243/1J, 243/2, 243/3, 243/4, 243/5A, 243/5B, 243/5C, 243/5D, 243/5E, 243/5F, 243/5G, 243/5H, 243/5I, 243/5J, 243/6, 243/7, 243/8, 243/9, 243/10, 243/11, 243/12, 243/13, 243/14, 243/15, 244/1, 244/2A, 244/2B, 245/1, 245/2, 245/3A, 245/3B, 245/4A, 245/4B, 246/1, 246/2, 246/3, 246/4, 247, 249, 250/1A, 250/1B, 250/2A, 250/2B, 250/3, 251/1A, 251/1B, 251/1C, 251/1D, 251/1E, 251/2A, 251/2B, 251/3, 251/4, 252/1, 252/2, 252/3, 252/4, 253, 254/1, 254/2, 254/3, 254/4, 254/5, 254/6, 254/7, 254/8, 254/9, 254/10, 254/11, 254/12, 254/13, 255/1A, 255/1B, 255/1C, 255/1D, 255/1E, 255/1F, 255/1G, 255/1H, 255/1I, 255/1J, 255/1K, 255/1L, 255/1M, 255/1N, 255/1O, 255/1P, 255/1Q, 255/1R, 255/2, 255/3, 256/1, 256/2, 256/3, 257/1, 257/2, 257/3, 257/4, 258/1, 258/2, 259/1A, 259/1B, 259/2A, 259/2B, 260/1, 260/2A, 260/2B, 260/3, 260/4A, 260/4B, 260/4C, 260/4D, 260/4E, 260/4F, 260/5, 260/6, 261/1, 261/2, 261/3A, 261/3B, 261/3C, 261/3D, 261/3E, 261/3F, 262/1A1, 262/1A2, 262/1B, 262/2, 262/3A1, 262/3A2, 262/3B, 262/4, 262/5A, 262/5B, 262/6, 262/7, 262/8, 263/1A, 263/1B, 263/1C, 263/1D, 263/1E, 263/1F, 263/2, 264/1, 264/2, 264/3, 264/4, 265/1, 265/2, 265/3, 265/4, 265/5, 266/1A, 266/1B, 266/1C, 266/1D, 266/1E1, 266/1E2, 266/2A, 266/2B, 266/3A, 266/3B, 266/4A, 266/4B, 266/5, 267/1, 267/2, 267/3, 268/1, 268/2A, 268/2B, 268/2C, 268/2D, 268/2E, 268/2F, 268/2G, 268/2H, 268/2I, 268/2J, 268/2K, 268/3, 269/1, 269/2, 269/3, 270/1A, 270/1B, 270/1C, 270/1D, 270/1E, 270/1F, 270/1G, 270/1H, 270/1I, 270/1J, 270/2, 271/1, 271/2, 271/3, 271/4, 271/5, 272, 273/1, 273/2, 274/1, 274/2, 275/1, 275/2, 275/3, 275/4A, 275/4B, 276, 277/1, 277/2, 278, 279/1, 279/2, 280/2, 280/4, 280/6, 281/1, 281/2, 281/3, 281/5, 281/6, 282/1, 282/2A, 282/2B1, 282/2B2, 282/3A, 282/3B, 283/1, 283/2, 283/3, 284/1A, 284/1B, 284/1C1, 284/1C2, 284/1D1, 284/1D2, 284/1D3, 284/1E, 284/2A, 284/2B, 284/3A, 284/3B, 285/1, 285/2, 285/3, 285/4, 286/1, 286/2, 286/3, 286/4, 286/5, 286/6, 286/7, 286/8, 286/9, 286/10, 287, 288, 289, 290, 291/1, 291/2, 291/3, 291/4, 291/5, 291/6, 291/7, 291/8, 291/9, 291/10, 291/11, 292/1A, 292/1B, 292/2A, 292/2B, 292/2C, 292/2D, 292/2E, 292/2F, 292/2G, 292/3, 292/4, 293/1, 293/2A, 293/2B, 293/2C, 293/2D, 293/2E, 293/3A, 293/3B, 293/3C, 293/3D, 293/4A, 293/4B, 293/5, 294/1, 294/2A1, 294/2A2, 294/2B1A, 294/2B1B, 294/2B2A1, 294/2B2B, 294/2C1, 294/2C2, 294/2D1, 294/2D2, 294/2D3, 294/2D4, 294/3, 295/1, 295/2A1, 295/2A2, 295/2A3, 295/2B1, 295/2B2, 295/2B3, 295/2C, 295/2D1, 295/2D2, 295/2D3, 295/2E1, 295/2E2, 295/2E3, 295/2F1, 295/2F2, 295/3, 296/2A1, 296/2A2, 296/2A3, 297/1, 302/1A1, 302/2F1, 303, 304/1A, 304/1B, 344/1, 344/2 of Nallaganakothapalli Village.,

> MARUDHANDAPALLI Village, Shoolagiri Taluk,

Krishnagiri District.

This Consent to establish is valid upto **June 30, 2029**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

То

The Managing Director,

M/s.SIPCOT INDUSTRIAL PARK AT MARUDHANDAPALLI AND NALLAGANAKOTHAPALLI VILLAGES, SHOOLAGIRI TALUK,

State Industries Promotion Corporation of Tamil Nadu Limited, No. 19-A, Rukmani Lakshmipathy Road, Egmore, Chennai., Pin: 600008

Copy to:

1. The Commissioner, SHOOLAGIRI-Panchayat Union, Shoolagiri Taluk, Krishnagiri District .

2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, HOSUR.

3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Vellore.

4. File

SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/ byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
	Product Details		-
1.	It is an infrastructure development project in a total area of 413.705 Ha (1021.851ac). It involves development and maintenance of infrastructure such as roads, storm water drains, water supply, power supply through TANGEDCO, street lights, green belt development and other such amenities to accommodate following type of industries: 1.Engineering, fabrication, automobiles & Auto components; 2. Electrical & Electronics; 3. Food processing; 4. Other Non EC category industries	413.705	Hectares

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

a Sewage Treatment Plant:					
	Treatment s	tatus: Septic Tank and S	SP/DT		
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres		
1.	Septic Tank	1	4.2 m x 2.3 m x 1.9		
2.	Soak Pit	1	1.0 m dia x 2.5 m Ht		
b	Effluent Treatment Plant:				
	Treatment status: No	trade effluent and hence	e does not arise		
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres		
1.					

3. This consent to establish is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal			
Effluent Ty	Effluent Type : Sewage					
1.	Sewage from Project Office	0.85	Septic Tank followed by Soak pit			
Effluent Type : Trade Effluent						

4. Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

5. Additional Conditions:

1. The SIPCOT shall ensure to comply with the conditions as stipulated in the Environmental Clearance obtained from SEIAA, TN vide Letter No. SEIAA/TN/F-8784/ EC/8(a)/851/2022 dated 01.07.2022

2. The developer shall ensure that no industries as listed in Annexure I of G.O. Ms. No. 213 E&F (EC-I) Department dated 30.03.1989 shall be permitted to establish within the distance of 1 km radius from the notified water sources in Annexure II and 5 km radius from the notified Rivers and its tributaries as listed in G.O. Ms.No.127 E&F (EC-3) Department dated 08.05.1998 inside the proposed SIPCOT Industrial park.

3. The developer shall ensure to comply with all the conditions imposed in the NOC issued by the Wildlife Warden, Hosur Division vide letter dated 15.07.2022.

4. The issue of CTE to the project shall not be construed as CTO and shall not commission the project without obtaining CTO from the Board.

5. The SIPCOT shall start its establishment activities only after getting the necessary project/building approvals from the competent authorities.

6. In accordance with Item No.9 of the EIA Notification, 2006, the SIPCOT shall possess valid EC while applying for CTO of the Board.

7. In accordance with Item No.11 of the EIA Notification, 2006, SIPCOT shall obtain NOC from MoEF/ SEIAA in the event of transfer of original EC in a different name.

8. This consent order does not absolve from obtaining necessary permission / Clearance from other Authority or under other statutes as applicable.

9. The SIPCOT shall obtain and furnish the approved planning permission from the Competent Authority while applying for CTO of the Board.

10. The stability of the entire building does not falls under the purview of the TNPC Board.

11. The SIPCOT shall allow only the industries that do not attract the provisions of EIA notification 2006 as amended in the industrial park as per the EC obtained.

12. The SIPCOT shall ensure that the allotted industrial units obtain consent from the TNPCB separately for their establishment & operation in this industrial estate.

13. The SIPCOT shall provide Septic Tank followed by Soak Pit to treat the Sewage generated from

SIPCOT Administrative Building, so as to achieve the standards prescribed by the Board. 14. The SIPCOT shall obtain and furnish necessary permission / NOC for water supply from the TWAD Board / competent Authority while applying for CTO of the Board.

15. The SIPCOT shall submit baseline data for ground water to assess the quality of ground water around 1 KM radius outside the boundary of the project and also from available open wells inside the premises within a month's time.

16. The SIPCOT shall monitor the ground water in and around the unit premises periodically, so as to assess its quality and submit the ROA of the same to the Board.

17. The SIPCOT shall provide a common solid waste treatment and disposal facility for the disposal of solid wastes (bio degradable wastes) to be generated from the industries.

18. The bio degradable solid waste, non bio degradable solid waste, STP sludge, etc., shall be properly collected, segregated and disposed as per the provision of Solid waste(Management and Handling) Rules, 2016.

19. The SIPCOT shall allot 5% of the total plot area for Solid Waste Management as per the Solid waste Management Rules, 2016 as amended

20. The SIPCOT shall provide Rain Water Harvesting pits so as to recharge the ground water table.

21. The SIPCOT shall ensure that the plastic wastes are segregated and disposed as per the provisions of Plastic Waste (Management and Handling) Rules, 2016.

22. The SIPCOT shall properly develop the common amenities like road, Storm water drain, street lights, water supply pipelines and avenue plantation in OSR area.

23. The SIPCOT shall earmark the buffer zone all around the periphery of the layout.

24. The SIPCOT shall provide solar powered lights for illumination of common areas, lighting for gardens and street lighting.

25. The SIPCOT shall ensure that all the allotted industries implement ZLD system for treating the trade effluent and shall ensure that no treated/ untreated sewage or trade effluent gain access outside the unit premises on land/water sources under any circumstance as these proposed park falls under the catchment area of nearby eri's.

26. The SIPCOT shall ensure that the allotted units not dig any well or bore well inside their premises for drawing of ground water.

27. The SIPCOT shall comply with the E- waste Management Rules, 2016. E-waste as listed in Schedule – I if generated, shall be channelized through collection centre or dealer of authorized producer or dismantler or recycler or through the designated take back service provider of the producer to authorized dismantler or recycler. The unit shall maintain records of e- waste generation in Form – 2 and make such records available for scrutiny by the TNPCB.

28. The SIPCOT shall ensure that the Industries housed in the Industrial Estate treat and dispose the sewage, trade effluent, solid waste, hazardous waste & E-waste disposal in compliance with the respective Acts.

29. The SIPCOT shall remit consent fee in case of revision by the Government.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

GENERAL CONDITIONS

- 1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
- 2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
- 3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
- 4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
- 5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
- 6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
- 7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
- 8. The unit shall develop green belt of adequate width around the premises.
- 9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

For Member Secretary, Tamil Nadu Pollution Control Board, Chennai

** This consent order is computer generated by OCMMS of TNPCB and no signature is needed**

ENVIRONMENTAL MANAGEMENT CELL

1. INTRODUCTION:

- 1.1. For effective implementation and monitoring of environmental management system, it is necessary to have a permanent organizational set-up as Environmental Management Cell (EMC). This is done by assigning responsibility to the concerned personnel for implementation of environmental control measures.
- 1.2. SIPCOT Environmental Management Cell consist of 7 team members headed by SIPCOT Managing Director, General Manager (Projects), Manager and two Environmental Consultants assisted by two Office Staffs which will enforce and implement the Environmental Plan.
- 1.3. The Organization of Environmental Management Cell (EMC) proposed is given in **Figure 1**.

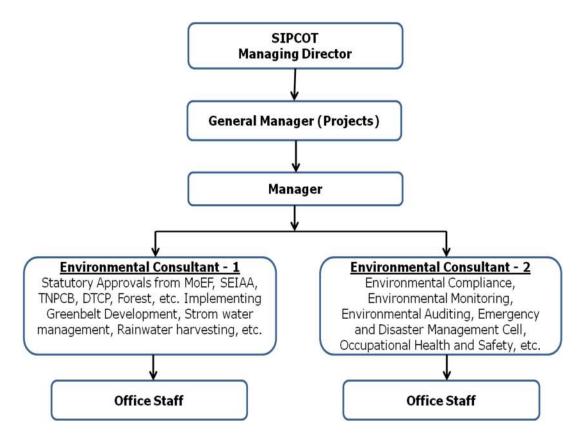


Figure - 1 Organogram for Environmental Management Cell

2. RESPONSIBILITIES OF ENVIRONMENTAL MANAGEMENT CELL:

- 2.1. Environmental Management Cell (EMC) shall obtain all applicable statutory clearances and approvals as mandated by the regulatory authorities and maintain the Industrial Parks in compliance with all applicable rules and regulations.
- 2.2. Other responsibilities of the cell will include:
 - a) Review the progress of regulatory compliance of SIPCOT and initiate necessary action for the compliance of the same.
 - b) The EMC will review, implement, update, and comply with the Environment Policy to ensure the effective implementation of environmental safeguard measures.
 - c) Keeping the Board updated on regular basis about the activities carried out under environmental measures and suggests measures to improve environment preservation and protection.
 - d) Encourages allottee units to implement, adopt and use of green and sustainable technologies such as Solar, Wind, Thermal, Biomass, Electric & Hybrid vehicles, etc. to achieve more resource-efficient, clean and resilient growth towards reducing pollution during their process, manufacturing and transportation of goods and encourages energy recovery for self sustainability from their Industrial process.
 - e) Mandate industries to reduce the use of one time use plastics, Styrofoam, and other plastic material during the packing and delivery of goods.

S.No. Designation Responsibilities > Responsible for overall environmental management. Regularly conduct meeting with EMC and take feedback the activities performed regarding all under 1 Managing Director Environmental Management and give directions to succeeding component. > Approval of funds for carrying out environmental management activities. > Keep aware about all the activities performed under EMC in the industrial parks. > Issuing direction to Project officers for implementing GM – Projects 2 Greenbelt development, Storm water management, rain water harvesting, etc. > To deal with legal entity pertaining to environmental issues. > To prepare and allocate budget for Environment Management Plan. > Ensuring compliance to the conditions prescribed by statutory authority. 3 Manager > Mandating member industries to comply with the conditions stipulated in the statutory approvals and non-compliance if any shall be reported to GM and immediately required action will be taken. Obtaining Statutory Approvals from MoEF&CC / SEIAA / TNPCB, etc. > Addressing the various gueries received from statutory authorities on environmental front. Environmental 4 Submitting Environmental compliance report and Consultants (Two) coordinating with project officers for Environmental monitoring, audit, etc. > Compliance with the environmental laws and implications which dynamically changes from time to time due to the emerging challenges.

Table – 1: Roles and responsibilities of EMC

Annexure - 4

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar, Chennai - 600 083. Ph: 42985555 Fax : 42985500 E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing) Recognized by MoEF, BIS FSSAI Notified Laboratory ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page: 1 of 1

Name of the Client	· M/s. SIPCOT	Report No. : HECSL/AA/16/250923
Address of the Client	: Marudhandapalli	Report Date : 30/09/2023
Sample Description	: Ambient Air Quality	
Sampling Location	: Project Area	
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltd	
Sampling/received Date	: 28/09/2023 -25/09/2023	
Analysis Commenced On	: 25/09/2023	Completed On: 30/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Stan	dards: 2009
1	Sulphur Dioxide	μg/m³	13.82	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	μg/m³	22.46	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	μg/m³	48.28	IS 5182 (Part - 23) ; 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 µm	μg/m³	22.36	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxíde	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	μg/1n ³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	μg/m³	10.46	IS 5182 (Part - 9) : 1974	180 (hours)	100 (8 hours)
8	Ammonia	μg/m²	6,82	IS 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	μg/m³	BLQ(LOQ 1)	1\$ 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ I)	IS 5182 (Part - 12) : 2004	I (Annual)	l (Annual)
П	Arsenic	ng/m³	BLQ(LOQ 2)	HEC\$/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	rig/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter. Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.





Authorized Signatory SIVAPRAKASAM. M

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS Organization 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances tab accepts any inability or loss / damage caused by use or misuse of test report after involcing or issue of test report. 5. The test results relate only to the test items. 6. HECS will not be responsible for the information shared by clients related to samples tested.

18, 92nd Street, Ashok Nagar, Chennai - 600 083. Ph: 42985555 Fax : 42985500 E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing) Recognized by MoEF, BIS FSSAI Notified Laboratory ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No. + HECSL/AA/17/250923 Report Date : 30/09/2023			
Address of the Client	: Marudhandapalli				
Sample Description Sampling Location	: Ambient Air Quality : Maradanapalli				
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltd				
Sampling/received Date	: 22/09/2023 -25/09/2023				

Analysis Commenced On :25/09/2023

Completed On :30/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Stan	dards : 2009
1	Sulphur Dioxide	μg/m³	11.46	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	µg/m³	23.22	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	μg/m³	50,14	1\$ 5182 (Part - 23) ; 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	μg/m³	21.63	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m ³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	μg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0,5 (Annual)
7	Ozone	μg/m³	31.26	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	8.24	1S 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	μ g/ m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	1S 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	μg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter. Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

End of Report



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Name of the Client

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TEST REPORT

Page: 1 of 1

Address of the Client	: Marudhandapalli
Sample Description Sampling Location	: Ambient Air Quality : Shoolagiri
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltd
Sampling/received Date	: 22/09/2023 -25/09/2023
Analysis Commenced On	: 25/09/2023

: M/s. SIPCOT

Report No. : HECSL/AA/18/250923 Report Date : 30/09/2023

Completed On :30/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Stan	dards : 2009
1	Sulphur Dioxide	µg/m³	8.39	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	μg/m³	24.82	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg∕m³	50.36	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	μ g/m ³	21.40	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
6	Lead	µg/m³	BLQ(LOQ 0.05)	IS 5182 (Part - 22) ; 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	μg/m³	10.74	1S 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	μg/m³	5,80	I\$ 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	µg/m³	BLQ(LOQ I)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ I)	IS 5182 (Part - 12) : 2004	l (Annual)	I (Annual)
П	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m³	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	μg/m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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TEST REPORT

Page: 1 of 1

Funce of the Chen	
Address of the Client	: Marudhandapalli
Sample Description Sampling Location Sample Drawn By Sampling/received Date Analysis Commenced On	: Ambient Air Quality : Sappadi : Hubert Enviro Care Systems (p) Ltd : 23/09/2023 -25/09/2023 : 25/09/2023

: M/s. SIPCOT

Report No. **HECSL/AA/19/250923** Report Date **30/09/2023**

Completed On :30/09/2023

S.No.	Parameters	Units	Results Obtained	Test Method	NAAQ Stan	dards: 2009
ł	Sulphur Dioxide	μg/m ³	11.92	CPCB guide lines Volume 1: 2012	80 (24 hours)	50 (Annual)
2	Nitrogen Dioxide	μg/m ³	24.74	IS 5182 (Part - 6) : 2006	80 (24 hours)	40 (Annual)
3	Particulate Matter Size Less than 10 µm	µg/m³	49.20	IS 5182 (Part - 23) : 2006	100 (24 hours)	60 (Annual)
4	Particulate Matter Size Less than 2.5 μm	μg/m ³	22.38	IS 5182 (Part - 24) : 2019	60 (24 hours)	40 (Annual)
5	Carbon Monoxide	mg/m ³	BLQ(LOQ 0,05)	IS 5182 (Part - 10) : 1999	4 (1 hours)	2 (8 hours)
б	Lead	μg/m²	BLQ(LOQ 0.05)	IS 5182 (Part - 22) : 2004	1 (24 hours)	0.5 (Annual)
7	Ozone	µg/m³	12.40	IS 5182 (Part - 9) : 1974	180 (1 hours)	100 (8 hours)
8	Ammonia	µg/m³	7.88	1\$ 5182 (Part - 25) : 2018	400 (24 hours)	100 (Annual)
9	Benzene	μg/m³	BLQ(LOQ 1)	IS 5182 (Part - 11) : 2006	5 (Annual)	5 (Annual)
10	Benzo(a)pyrene	ng/m³	BLQ(LOQ 1)	IS 5182 (Part - 12) : 2004	1 (Annual)	1 (Annual)
11	Arsenic	ng/m³	BLQ(LOQ 2)	HECS/AA/SOP/019 : 2016	6 (Annual)	6 (Annual)
12	Nickel	ng/m'	BLQ(LOQ 10)	HECS/AA/SOP/009 : 2016	20 (Annual)	20 (Annual)
13	Volatile Organic Compounds	µg∕m³	BLQ(LOQ 0.05)	HECS/INS/SOP/073	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³- Micrograms per cubic meter, mg/m³-Nanograms per cubic meter.

Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No. : HECSL/AA/20/250923		
Address of the Client	: Marudhandapalli	Report Date : 30/09/2023		
Sample Description Sampling Location	: Ambient Air Quality : Gundugurki			
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltd			
Sampling/received Date	: 23/09/2023 -25/09/2023			
Analysis Commenced On	: 25/09/2023	Completed On : 30/09/2023		

Results Units Test Method NAAQ Standards: 2009 S.No. Parameters Obtained CPCB guide lines Volume 1: 2012 Sulphur Dioxide µg/m³ 12,70 80 (24 hours) 50 (Annual) 1 1S 5182 (Part - 6) : 2006 2 $\mu g/m^3$ 80 (24 hours) 40 (Annual) Nitrogen Dioxide 26.38 IS 5182 (Part - 23) : 2006 100 (24 hours) 60 (Annual) Particulate Matter Size Less than 10 µm 54.20 3 µg/m3 Particulate Matter Size Less than 2.5 µm IS 5182 (Part - 24); 2019 60 (24 hours) 40 (Annual) 4 $\mu g/m^3$ 22.46 IS 5182 (Part - 10) : 1999 5 Carbon Monoxide mg/m³ BLQ(LOQ 0.05) 4 (1 hours) 2 (8 hours) IS 5182 (Part - 22): 2004 1 (24 hours) 0.5 (Annual) 6 Lead BLQ(LOQ 0.05) µg/m³ 7 180 (1 hours) 100 (8 hours) Ozone μg/m³ 10.06 IS 5182 (Part - 9) : 1974 8 µg/m³ 400 (24 hours) 100 (Annual) Ammonia 5.80 IS 5182 (Part - 25) : 2018 IS 5182 (Part - 11): 2006 9 Benzene $\mu g/m^3$ BLQ(LOQ 1) 5 (Annual) 5 (Annual) IS 5182 (Part - 12) : 2004 1.0 1 (Annual) 1 (Annual) Benzo(a)pyrene ng/m³ BLQ(LOQ 1) 6 (Annual) 6 (Annual) Ħ Arsenic ng/m³ BLQ(LOQ 2) HECS/AA/SOP/019:2016 12 Nickel 20 (Annual) 20 (Annual) ng/m³ BLQ(LOQ 10) HECS/AA/SOP/009:2016 Volatile Organic Compounds HECS/INS/SOP/073 13 µg/m³ BLQ(LOQ 0.05) NA NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, µg/m³-Micrograms per cubic meter, mg/m³-Milligrams per cubic meter, ng/m³-Nanograms per cubic meter. Remarks: The Tested Parameters as above are within the Limits of NAAQ Standards 2009.

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Address of the Client	: Marudhandapalli
Sample Description Sample Mark Sample Drawn By Sampling/received Date Analysis Commenced On	: WATER : Project Area - Ground Water : Hubert Enviro Care Systems (p) Ltd : 22/09/2023 -25/09/2023 : 25/09/2023

; M/s. SIPCOT

Report No. : HECSL/WT/028/250923 Report Date : 30/09/2023

Completed On : 30/09/2023

S.No.	Parameters	Units	Results	Test Method	IS:105	IS:10500-2012	
5,INO.	rarameters		Results	i est friendu	Acceptable Limits	Permissible Limits	
l	pH (at 25 °C)	•	7.61	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation	
2	Total Alkalinity as CaCO3	mg/l	100.0	IS 3025 (Part - 23):1986	200	600	
3	Electrical conductivity	μS/cm	404.0	IS 3025 (Part + 14):1983	NA	NA	
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15	
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5	
6	Total Hardness as CaCO3	mg/l	126.0	1\$ 3025 (Part - 21):1983	200	600	
7	Calcium as Ca	mg/l	26.05	IS 3025 (Part - 40):1991	75	200	
8	Chloride as Cl	mg/l	43.55	4500 CI B APHA 23rd Edn: 2017	250	1000	
9	Magnesium as Mg	mg/l	14.82	IS 3025 (Part - 46) 1994	30	100	
10	Total Dissolved Solids	mg/l	226.0	IS 3025(Part -16):1984	500	2000	
11	Sulphate as SO4	mg/l	20.23	IS 3025(Part - 24):1986	200	400	
12	Fluoride	rng/l	BLQ(LOQ:0.2)	IS 3025 (Part - 60):1986	1.0	1.5	
13	Nitrate as NO3	mg/l	6.81	IS 3025 (Part 34): 1988	45	No Relaxation	
14	Iron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part - 53):2003	1.0	No Relaxation	
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0	
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15	
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5	
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3	
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation	
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation	
21	Selenium as Se	mg/l·	BLQ(LOQ 0.005)	USEPA Method 200.8;1994	0.01	No Relaxation	



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Address of the Client	: Marudhandapalli
Sample Description Sample Mark Sample Drawn By Sampling/received Date Analysis Commenced On	: WATER : Project Area - Ground Water : Hubert Enviro Care Systems (p) Ltd : 22/09/2023 -25/09/2023 : 25/09/2023

: M/s. SIPCOT

Report No. : HECSL/WT/028/250923 Report Date : 30/09/2023

Completed On : 30/09/2023

0.11	Deview	Units Results	Test Method	IS:10500-2012		
S.No.	Parameters	Units	Results	Test Areanou	Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200,8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	30.0	I\$3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	2.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.5	IS 3025 (Patt - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ;1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bi Carbonate	mg/l	122.0	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 201	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	I
39	Percent Sodium as Na	%	33.50	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1,0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio		1.16	LS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.



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TEST REPORT

Name of the Client	: M/s. SIPCOT	Report No. HECSL/WT/029/250923
Address of the Client	: Marudhandapalli	Report Date 30/09/2023
Sample Description Sample Mark Sample Drawn By Sampling/received Date Analysis Commenced On	: WATER : Maradanapaili - Ground Water : Hubert Enviro Care Systems (p) Ltd : 22/09/2023 -25/09/2023 : 25/09/2023	Completed On: 30/09/2023

	Denterterterte	Units	Results	Test Method	IS:10500-2012	
S.No.	Parameters	Cints	iccounts	I USI MICIMON	Acceptable Limits	Permissible Limits
t.	pH (at 25 °C)		7.31	IS 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO3	mg/l	190.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	μS/cm	826.0	IS 3025 (Part - 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NŤU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO3	mg/l	243.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	60.12	IS 3025 (Part + 40):1991	75	200
8	Chloride as Cl	mg/l	119.27	4500 Cl B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	22.60	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l-	463.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO4	mg/l	43.71	1\$ 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.35	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO3	mg/l	3.98	IS 3025 (Part 34): 1988	45	No Relaxation
14	lron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8;1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	thg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200,8;1994	0.01	No Relaxation



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Name of the Client Address of the Client	: M/s. SIPCOT : Marudhandapalli	Report No. HECSL/WT/029/250923 Report Date 30/09/2023
Sample Description	: WATER	
Sample Mark Sample Drawn By	: Maradanapalli - Ground Water : Hubert Enviro Care Systems (p) Ltd	
Sampling/received Date Analysis Commenced On	: 22/09/2023 -25/09/2023 : 25/09/2023	Completed On: 30/09/2023

O M.	Parameters	Units	Results	Test Method	15:10500-2012	
S.No.		Omis	Results	I CSI MICHOU	Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	65.0	IS3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	6.0	IS3025 (Part - 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	_mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/i	BLQ(LOQ:1.0)	IS 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	mg/l	6.2	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/i	BLQ(LOQ:0.02)	IS 3025 (Pt 31): 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	1S 3025 (Part - 23):1986	NA	NA
36	Bí Carbonate	mg/l	231.81	18 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 201	0.001	0.002
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	35.91	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	•	1.81	IS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/1 - Milligrams per liter.

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Page: 1 of 2

Name of the Client Address of the Client	: M/s. SIPCOT : Marudhandapalli	Report No. : HECSL/WT/030/250923 Report Date : 30/09/2023
Sample Description	: WATER	
Sample Mark Sample Drawn By	: Sappadi - Ground Water : Hubert Enviro Care Systems (p) Ltd	
Sampling/received Date Analysis Commenced On	: 23/09/2023 -25/09/2023 : 25/09/2023	Completed On: 30/09/2023

a N	Parameters	Units	Results	Test Method	IS:10500-2012	
S.No.				i est intentiou	Acceptable Limits	Permissible Limits
1	pH (at 25 °C)	-	7.38	1S 3025 (Part - 11):1983	6.5 - 8.5	No relaxation
2	Total Alkalinity as CaCO3	mg/l	170.0	IS 3025 (Part - 23):1986	200	600
3	Electrical conductivity	μS/cm	738.0	IS 3025 (Part + 14):1983	NA	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	5	15
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part - 10):1984	1	5
6	Total Hardness as CaCO3	mg/l	220.0	IS 3025 (Part - 21):1983	200	600
7	Calcium as Ca	mg/l	52,10	IS 3025 (Part - 40):1991	75	200
8	Chloride as Cl	mg/l	114.32	4500 C1 B APHA 23rd Edn: 2017	250	1000
9	Magnesium as Mg	mg/l	21.87	IS 3025 (Part - 46) 1994	30	100
10	Total Dissolved Solids	mg/l	413.0	IS 3025(Part -16):1984	500	2000
11	Sulphate as SO4	mg/l	25.43	IS 3025(Part - 24):1986	200	400
12	Fluoride	mg/l	0.41	IS 3025 (Part - 60):1986	1.0	1.5
13	Nitrate as NO3	mg/l	4.52	IS 3025 (Part 34): 1988	45	No Relaxation
14	Iron as Fe	mg/l	0.034	IS 3025 (Part - 53):2003	1.0	No Relaxation
15	Boron as B	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	0.5	1.0
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	5	15
17	Copper as Cu	mg/l	BLQ (LOQ 0.01)	USEPA Method 200.8:1994	0.05	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.1	0.3
19	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.003	No Relaxation
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200,8:1994	0,01	No Relaxation
21	Selenium as Se	mg/l	BLQ(LOQ:0.00 5)	USEPA Method 200.8:1994	0.01	No Relaxation



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TEST REPORT

Name of the Client	: M/s. SIPCOT
Address of the Client	: Marudhandapalli
Sample Description	: WATER
Sample Mark Sample Drawn By	; Sappadi - Ground Water : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date	: 23/09/2023 -25/09/2023
Analysis Commenced On	: 25/09/2023

Page: 2 of 2 Report No. : HECSL/WT/030/250923 Report Date : 30/09/2023

Completed On: 30/09/2023

~ **	Parameters	Units Resu		Test Method	IS:10500-2012	
S.No		onits	IXC3UIX3	i est methou	Acceptable Limits	Permissible Limits
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001	No Relaxation
24	Sodium as Na	mg/l	56.0	1S3025 (Part - 45):1993	NA	NA
25	Potassium as K	mg/l	4.0	IS3025 (Part + 45):1993	NA	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part + 17):1984	NA	NA
28	Nickel	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.02	No Relaxation
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05	No Relaxation
30	Total Chromium	mg/l	BLQ(LOQ.01)	USEPA Method 200.8 : 1994	0.05	No Relaxation
31	BOD,3 days @27°C as O2	mg/l	BLQ(LOQ:1.0)	1S 3025 (Part - 44):1993	NA	NA
32	Chemical oxygen demand as	mg/l	BLQ(LOQ:4.0)	IS 3025 (Part - 58):2006	NA	NA
33	Dissolved oxygen	nig/l	6.5	IS 3025 (Part - 38):1989	NA	NA
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31): 1988	NA	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA	NA
36	Bí Carbonate	mg/l	207.4	IS 3025 (Part - 23):1986	NA	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	0.001	0,002
38	Anionic Detergents as	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	0.2	1
39	Percent Sodium as Na	%	36.41	IS 3025(Part -45) 1993	NA	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	0.7	No Relaxation
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA	NA
44	Sodium Absorption Ratio	-	1.75	IS 11624 - 1986	NA	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

CARE Chennai 600 083 *

End of Report

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Page: 1 of 2

TEST REPORT

Name of the Client	: M/s. SIPCOT	Report No. HECSL/WT/031/250923
Address of the Client	: Marudhandapalli	Report Date 30/09/2023
Sample Description Sample Mark Sample Drawn By Sampling/received Date Analysis Commenced On	WATER Lake Near project site -Surface Water Hubert Enviro Care Systems (p) Ltd 23/09/2023 -25/09/2023 25/09/2023	Completed On: 30/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
1	pH (at 25 °C)	-	8.07	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO3	mg/l	140.0	iS 3025 (Part - 23):1986	NA
3	Electrical conductivity	μS/cm	758.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	5.3	IS 3025(Part - 10):1984	1
6	Total Hardness as CaCO3	mg/l	239.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	49.30	IS 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	133.61	4500 Cl B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	28.19	IS 3025 (Part - 46) 1994	NA
10	Total Dissolved Solids	mg/l	449.0	IS 3025(Part +16):1984	500
11	Sulphate as SO4	mg/l	46.31	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	0.41	IS 3025 (Part - 60) 1986	1.5
13	Nitrate as NO3	mg/l	4.11	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	0.22	IS 3025 (Part - 53):2003	0.3
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	1S:3025 (Part - 57):2005	NA
16	Zine as Zn	mg/l	BLQ(LOQ:0.1)	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
19	Cadmium as Cd	mg/l	BLQ(LOQ:0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ:0.005)	USEPA Method 200,8;1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ:0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ:0.005)	USEPA Method 200,8;1994	0.05
23	Mercury as Hg	mg/l	BLQ(LOQ:0.000 5)	USEPA Method 200.8:1994	0.001



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Page: 2 of 2

TEST REPORT

Name of the Client	: M/s. SIPCOT	Report No. : HECSL/WT/031/250923
Address of the Client	:Marudhandapalli	Report Date: 30/09/2023
Sample Description	WATER	
Sample Mark Sample Drawn By	: Lake Near project site -Surface Water : Hubert Enviro Care Systems (p) Ltd	
Sampling/received Date	:23/09/2023 -25/09/2023	
Analysis Commenced On	: 25/09/2023	Completed On: 30/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
24	Sodium as Na	mg/l	70.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	5.0	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	0.069	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	12.0	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ:0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0,01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ (LOQ:0.01)	USEPA Method 200.8 : 1994	NA
31	BOD,3 days @27°C as O2	mg/l	3.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as	mg/l	20.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	5.9	IS 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	0.021	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 23):1986	NA
36	Bí Carbonate	mg/l	170.8	LS 3025 (Part + 23):1986	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	37.99	IS 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200,8;1994	1
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 • 1986	NA
43	Free Ammonia	mg/l	BLQ(LOQ:0.02)	IS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio	-	1.96	IS 11624 - 1986	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



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TEST REPORT

Name of the Client	: M/s. S
Address of the Client	:Maru

M/s. SIPCOT Marudhandapalli

Sample Description:WATERSample Mark Sample:Sappadi LakeDrawn By:Hubert Enviro Care Systems (p) LtdSampling/received Date:23/09/2023Analysis Commenced On:25/09/2023

Page : 2 of 2 Report No. **HECSL/WT/031/250923** Report Date : **30/09/2023**

Completed On: 30/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
1	pH (at 25 °C)	-	6.93	IS 3025 (Part - 11):1983	6.5-8.5
2	Total Alkalinity as CaCO3	mg/l	50.0	IS 3025 (Part - 23):1986	NA
3	Electrical conductivity	μS/cm	317.0	IS 3025 (Part - 14):1983	NA
4	Colour	Hazen Unit	BLQ(LOQ:1.0)	IS 3025(Part - 4):1983	10
5	Turbidity	NTU	BLQ(LOQ:0.1)	IS 3025(Part + 10):1984	1
6	Total Hardness as CaCO3	mg/l	73.0	IS 3025 (Part - 21):1983	200
7	Calcium as Ca	mg/l	16.83	1S 3025 (Part - 40):1991	NA
8	Chloride as Cl	mg/l	51.47	4500 CI B APHA 23rd Edn: 2017	250
9	Magnesium as Mg	mg/l	7.43	IS 3025 (Part - 46) 1994	NA
10	Total Dissolved Solids	mg/l	177.0	IS 3025(Part -16):1984	500
11	Sulphate as SO4	mg/l	11.23	IS 3025(Part - 24):1986	400
12	Fluoride	mg/l	BLQ(LOQ:0.2)	IS 3025 (Part - 60):1986	1.5
13	Nitrate as NO3	mg/l	3.41	IS 3025 (Part 34): 1988	20
14	Iron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part - 53):2003	0.3
15	Boron as B #	mg/l	BLQ(LOQ:0.1)	IS:3025 (Part - 57):2005	NA
16	Zinc as Zn	mg/l	BLQ(LOQ 0.1)	USEPA Method 200.8:1994	15
17	Copper as Cu	mg/l	BLQQ(LOQ 0.01)	USEPA Method 200.8;1994	1.5
18	Manganese as Mn	mg/l	BLQ(LOQ:0.05)	USEPA Method 200.8:1994	0.5
[9	Cadmium as Cd	mg/l	BLQ(LOQ 0.001)	USEPA Method 200.8:1994	0.001
20	Lead as Pb	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.1
21	Selenium as Se	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.01
22	Arsenic as As	mg/l	BLQ(LOQ 0.005)	USEPA Method 200.8:1994	0.05
-23	Mercury as Hg	mg/l	BLQ(LOQ 0.0005)	USEPA Method 200.8:1994	0.001



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TEST REPORT

Name of the Client	: M/s. SIPCOT
Address of the Client	:Marudhandapalli
Sample Description	WATER
Sample Mark Sample Drawn By	; Sappadi Lake : Hubert Enviro Care Systems (p) Ltd
Sampling/received Date Analysis Commenced On	:23/09/2023 -25/09/2023 :25/09/2023

Page : 3 of 2 Report No. **HECSL/WT/031/250923** Report Date : **30/09/2023**

Completed On: 30/09/2023

S.No.	Parameters	Units	Results	Test Method	Surface water Standard (IS 2296Class-A)
24	Sodium as Na	mg/l	27.0	IS3025 (Part - 45):1993	NA
25	Potassium as K	mg/l	2	IS3025 (Part - 45):1993	NA
26	Phosphate as PO4	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 31):1988	NA
27	Total suspended solid	mg/l	BLQ(LOQ:1.0)	IS 3025 (Part - 17):1984	NA
28	Nickel	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8:1994	NA
29	Cyanide	mg/l	BLQ(LOQ:0.01)	IS 3025 (Part-27):1986	0.05
30	Total Chromium	mg/l	BLQ(LOQ 0.01)	USEPA Method 200.8 : 1994	NA
31	BOD,3 days @27°C as O2	mg/ł	4.0	IS 3025 (Part - 44):1993	NA
32	Chemical oxygen demand as	mg/l	28.0	IS 3025 (Part - 58):2006	NA
33	Dissolved oxygen	mg/l	6.5	J\$ 3025 (Part - 38):1989	6
34	Total Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 (Pt 31) : 1988	NA
35	Carbonate	mg/1	BLQ(LOQ:1.0)	IS 3025 (Part - 23);1986	NA
36	Bi Carbonate	mg/l	61,0	IS 3025 (Part - 23):1986	NA
37	Phenolic compounds as	mg/l	BLQ(LOQ:0.001)	APHA 23rd edition (Method 5530C): 2017	NA
38	Anionic Detergents as MBAS	mg/l	BLQ(LOQ:0.05)	Annex K of IS 13428-2005	NA
39	Percent Sodium as Na	%	43.56	1S 3025(Part -45) 1993	NA
40	Barium as Ba	mg/l	BLQ(LOQ0.01)	USEPA Method 200.8:1994	1
41	Chromium as Cr6+	mg/l	BLQ(LOQ:0.05)	IS 3025 Part 52 : 2003	NA
42	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624 - 1986	NA
43	Free Ammonia	tng/l	BLQ(LOQ:0.02)	LS 3025 Part (34) 1982	NA
44	Sodium Absorption Ratio		1.37	IS 11624 - 1986	NA

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/l - Milligrams per liter.

End of Report



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TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No. HECSL/SD/66/250923
Address of the Client	: Marudhandapalli	Report Date : 30/09/2023
Sample Description Sample Mark	 SOIL Project Area 	

Sample Drawn By	: Hubert Enviro Care Systems (p) Ltd
-----------------	--------------------------------------

Sampling/received Date : 22/09/2023 -25/09/2023

Analysis Commenced On : 25/09/2023

Completed On : 30/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay	ASTM D421/422
2	Organic Carbon		1.35	ASTM D421/422
3	Soil Texture i)Sand	%	26.7	ASTM D421/422
4	Soil Texture ii)Silt	%	24.5	ASTM D421/422
5	Soil Texture iii)Clay	%	48.8	ASTM D421/422
6	pH (at 25°C) @ 10% Solution		7.83	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	μS/cm	742.5	IS:14767:2000
8	Cation exchange capacity	meq/100g	2.3	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1.22	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	265.2	IS 14684;1999
11	Phosphorus	mg/kg	17.22	······ I\$ 101 58:1982
12	Potassium	mg/kg	27.54	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	11.14	US EPA 200.8 Method
16	Iron	mg/kg	3.21	US EPA 200.8 Method
17	Manganese	mg/kg	89.21	US EPA 200.8 Method
18	Zinc	mg/kg	31.26	US EPA 200.8 Method
19	Colour		Black	IS 3025(Part 4)
20	Infiltration Rate	cm/ht	3.22	ASTM D6391-11
21	Bulk density	gm/cc	1.32	ASTM D6683+14
22	Moisture Content	%	14.31	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	31.21	IS 14765
24	Calcium as Ca	mg/kg	116.12	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	42.76	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	20.65	US EPA 200.8 Method

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram ,

% - Percentage.



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TEST REPORT

Page: 1 of 1

Name of the Client : M/s. SIPCOT Address of the Client : Marudhandapal		s(1);	Report No. HECSL/SD/77/2509 Report Date : 30/09/2023		
Addres	s of the Client	. Marudnanuape			
-	e Description Mark	: SO1L : Maradanapalli			
	Drawn By	: Hubert Enviro C	are Systems (p) Ltd		
	ng/received Date		5/09/2023		
-	is Commenced O	n : 25/09/2023		Com	pleted On : 30/09/2023
S.No.	Pa	rameters	Units	Results	Test Method
1	Soil Texture		•	Clay	ASTM D421/422
2	Organic Carbon			1.16	AS'TM D421/422
3	Soil Texture i)San	d	%	29.2	ASTM D421/422
4	Soil Texture ii)Sili		%	27.4	ASTM D421/422
5	Soil Texture iii)Cl	ay	%	43.4	ASTM D421/422
б	pH (at 25°C) @ 10)% Solution		7.87	IS:2720 (Part-26):1987
7	Electrical Conduct	ivity (at 25°C)	µS/cm	565.2	IS:14767:2000
8	Cation exchange c	apacity	meq/100g	2.6	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter		%	3.66	IS:2720 (Part-22: 1972)
10	Nitrogen		mg/kg	173.12	IS 14684:1999 RA 2008
11	Phosphorus		mg/kg	6.77	IS 10158:1982
12	Potassium		mg/kg	33.67	US EPA Method 3050B
13	Boron		mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium		mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu		mg/kg	7.22	US EPA 200.8 Method
16	Iron		mg/kg	2.32	US EPA 200.8 Method
17	Manganese		mg/kg	107.32	US EPA 200.8 Method
18	Zinc		mg/kg	24.34	US EPA 200.8 Method
19	Colour		-	Red	IS 3025(Part 4)
20	Infiltration Rate		cm/hr	7.46	ASTM D6391-11
21	Bulk density		gm/cc	5.12	ASTM D6683-14
22	Moisture Content		%	3.66	IS 2720 part 2 Reaff:2000
23	Water holding capa	acity	%	27.42	1S 14765
24	Calcium as Ca		mg/kg	126,26	EPA 3050 B/EPA 7140
25	Magnesium as Mg		mg/kg	89.33	EPA 3050 B/EPA 7450
26	Chromium		mg/kg	43.76	US EPA 200.8 Method

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram, % - Percentage.

End of Report



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TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No.	HECSL/SD/88/250923
Address of the Client	: Marudhandapalli	Report Date :	30/09/2023
Sample Description Sample Mark Sample Drawn By	÷ SOIL : Shoolagiri : Hubert Enviro Care Systems (p) Ltd		

Sampling/received Date : 22/09/2023 -25/09/2023

Analysis Commenced On : 25/09/2023

Completed On : 30/09/2023

S.No.	Parameters	Units	Results	Test Method
L	Soil Texture	-	Clay foam	ASTM D421/422
2	Organic Carbon		1.73	ASTM D421/422
3	Soil Texture i)Sand	%	28.3	ASTM D421/422
4	Soil Texture ii)Silt	%	33.5	ASTM D421/422
5	Soil Texture iii)Clay	%	38.2	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.13	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	μS/cm	767.4	IS:14767:2000
8	Cation exchange capacity	meq/100g	6.4	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1.67	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	487.1	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	35,1	IS 10158:1982
12	Potassium	mg/kg	29.88	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	4.26	US EPA 200.8 Method
16	Iron	mg/kg	3.12	US EPA 200.8 Method
17	Manganese	mg/kg	107.43	US EPA 200.8 Method
18	Zine	mg/kg	27.29	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	3.62	ASTM D6391-11
21	Bulk density	gm/cc	4.43	ASTM D6683-14
22	Moisture Content	%	7.66	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	36.76	IS 14765
24	Calcium as Ca	mg/kg	87.55	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	82.56	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	26.17	US EPA 200.8 Method

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram,

End of Report

% - Percentage.



Authorized Signatory

18, 92nd Street, Ashok Nagar, Chennai - 600 083. Ph: 42985555 Fax : 42985500 E-mall : labsales@hecs.in

Laboratory Services Division

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TEST REPORT

Page: 1 of 1

'HECSL/SD/99/250923

Name of the Client	: M/s. SIPCOT	Report No.	'HECSL/S
Address of the Client	: Marudhandapalli	Report Date :	30/09/2023
Sample Description Sample Mark	: SOIL : Sappadi		
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltđ		
Sampling/received Date	: 23/09/2023 -25/09/2023		
Analysis Commenced On		Completed On :	30/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		2.36	ASTM D421/422
3	Soil Texture i)Sand	%	36.2	ASTM D421/422
4	Soil Texture ii)Silt	%	29.6	ASTM D421/422
5	Soil Texture iii)Clay	%	34.2	ASTM D421/422
6	pH (at 25°C) @ 10% Solution	-	7.68	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	μS/cm	623.5	IS:14767;2000
8	Cation exchange capacity	meq/100g	5,4	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1.66	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	372.6	IS 14684:1999 RA 2008
11	Phosphorus	mg/kg	49.1	15 10158:1982
12	Potassium	mg/kg	26.3	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	4.32	US EPA 200.8 Method
16	lron	mg/kg	4.75	US EPA 200.8 Method
17	Manganese	mg/kg	81.51	US EPA 200.8 Method
18	Zinc	mg/kg	23.26	US EPA 200.8 Method
19	Colour	-	Black	18 3025(Part 4)
20	Infiltration Rate	cm/hr	3.26	ASTM D6391-11
21	Bulk density	gm/cc	3.65	ASTM D6683-14
22	Moisture Content	%	4,32	1S 2720 part 2 Reaff:2000
23	Water holding capacity	%	42.77	18 14765
24	Calcium as Ca	mg/kg	96.52	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	121.32	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	26.13	US EPA 200.8 Method

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram, % - Percentage.

End of Report



Authorized Signatory SIVAPRAKASA

18, 92nd Street, Ashok Nagar, Chennai - 600 083. Ph: 42985555 Fax : 42985500 E-mail : labsales@hecs.in

Sample Drawn By

Laboratory Services Division

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TEST REPORT

Page: 1 of 1

Name of the Client	: M/s. SIPCOT	Report No. HECSL/SD/1010/250923
Address of the Client	: Marudhandapalli	Report Date : 30/09/2023
Sample Description Sample Mark	: SOIL : Gundugurki	

: Hubert Enviro Care Systems (p) Ltd

Sampling/received Date : 23/09/2023 •25/09/2023

Analysis Commenced On : 25/09/2023

Completed On : 30/09/2023

S.No.	Parameters	Units	Results	Test Method
1	Soil Texture	-	Clay Loam	ASTM D421/422
2	Organic Carbon		1.28	ASTM D421/422
3	Soil Texture i)Sand	%	29.4	ASTM D421/422
4	Soil Texture ii)Silt	%	33.9	ASTM D421/422
5	Soil Texture iii)Clay	%	36.7	ASTM D421/422
6	pH (at 25°C) @ 10% Solution		7.32	IS:2720 (Part-26):1987
7	Electrical Conductivity (at 25°C)	μS/cm	572.3	IS:14767:2000
8	Cation exchange capacity	meq/100g	6.1	IS 2720 (Part XXIV)Reaff:2010-1976
9	Organic Matter	%	1,22	IS:2720 (Part-22: 1972)
10	Nitrogen	mg/kg	433.1	1S 14684:1999 RA 2008
11	Phosphorus	mg/kg	43.3	IS 10158:1982
12	Potassium	mg/kg	29.1	US EPA Method 3050B
13	Boron	mg/kg	BLQ(LOQ 0.1)	US EPA Method 200.7
14	Cadmium	mg/kg	BLQ(LOQ 0.1)	US EPA 200.8 Method
15	Copper as Cu	mg/kg	5.12	US EPA 200.8 Method
16	Iron	mg/kg	3.24	US EPA 200.8 Method
17	Manganese	mg/kg	94.43	US EPA 200.8 Method
18	Zinc	mg/kg	34.66	US EPA 200.8 Method
19	Colour	-	Black	IS 3025(Part 4)
20	Infiltration Rate	cm/hr	4.12	ASTM D6391-11
21	Bulk density	gm/cc	3.32	ASTM D6683-14
22	Moisture Content	%	5.71	IS 2720 part 2 Reaff:2000
23	Water holding capacity	%	17.45	IS 14765
24	Calcium as Ca	mg/kg	96.3	EPA 3050 B/EPA 7140
25	Magnesium as Mg	mg/kg	81.11	EPA 3050 B/EPA 7450
26	Chromium	mg/kg	19.3	US EPA 200.8 Method

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, mg/kg- Milligrams per kilogram ,

% - Percentage.



End of Report

Authorized Signatory RAKASAM Rл Lah

Hubert Enviro Care Systems (P) Ltd.

18, 92nd Street, Ashok Nagar, Chennai - 600 083. Ph: 42985555 Fax : 42985500 E-mail : labsales@hecs.in

Laboratory Services Division

(Chemical & Biological Testing) Recognized by MoEF, BIS FSSAI Notified Laboratory ISO 9001, 14001 & 45001 Certified.

TEST REPORT

Page: 1 of 1

Name of the Client	· M/s. SIPCOT	Report No. : HECSL/N/001-005/250923
Address of the Client	: Marudhandapalli	Report Date : 30/09/2023
Sample Description	: Noise Monitoring	
Sample Drawn By	: Hubert Enviro Care Systems (p) Ltđ	
Sampling/received Date	: 22/09/2023 - 25/09/2023	

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	53.6	48,3
2	Maradanapalli	48.7	46.1
3	Shoolagiri	51.6	47.3
4	Sappadi	52.6	49.1
5	Gundugurki	48.2	44.3

Noise Standards - CPCB:

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i.	Industrial Area	: Day Time-75 dB (A);	Night Time-70 dB (A).
ii.	Commercial Area	: Day Time-65 dB (A);	Night Time-55 dB (A).
iii.	Residential Area	: Day Time-55 dB (A);	Night Time-45 dB (A).
iv.	Silence Zone	: Day Time-50 dB (A);	Night Time-40 dB (A).

Note: 1. Day Time shall mean from 6.00 am to 10.00 pm.

2. Night Time shall mean from 10.00 pm to 6.00 am.

Remarks:- The noise level meets the requirement of CPCB Limits. ***End of Report***



MIC

Authorized Signatory SIVAPRAKASAWI. WI Lab Manager

1. The report in full or part shall not be used for any promotional or publicity purpose without written consent by HECS organization 2. Samples are not drawn by HECS unless or otherwise mentioned 3. Unless specifically requested by customer the test items will not be retained more than 15 days from the date of issue of test report. 4. Under no circumstances tab accepts any liability or loss / damage caused by use or misuse of test report after involcing or issue of test report. 5. The test results relate only to the test items. 6. HECS will not be responsible for the information shared by clients related to samples tested. HECS/Q/FMT/50

Annexure - 5 கினத்தந்தி 23-7-2022 11 HIM STATE AND A வொருள்கள் தமிழ்நாடு தொழில் முன்னேற்ற நிறுவனம் சங்கக்கில் 2020-21, 2021-22 ல் ஏற்பட்ட வரவு செலவை வாசித்து 0 19–ஏ, ருக்குமணி இலட்சுமிபதி சாலை, எழும்பூர், சென்னை– 600 008. அங்கீகரிக்கல். 656 : 21.07.2022 2. சங்கத்தில் 2022-2023ம் ஆண்டுக்கு உத்தேச வரவு செலவு திட்டம் தயார் CIN U74999TN1971SGC005967 சிப்காட் தொழிற் பூங்கா செய்கல். கூட்டுறவுசங்கங்களின்பதவாளர்கொணை அவர்களின்று.க.எண்.103607/2007/ சுற்றுகூடில் இசைவாணை SF2 நாள்:09.09.2021-ன்படி முறையற்ற வகையில் பணி நீயமனம் செய்யப்பட்ட மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு ஆணையம், தமிழ்நாடு கடித எண் SEIAA-L பணியாளர்களுக்கு பதவி உயர்வு வழங்குவது தொடர்பாக சிறப்பு துணைவித்களில் TN/F.8784/EC/8(a)/851/2022 தேதி: 01.07.2022 மூலம் கிருஷ்ணகிரி மாவட்டம், சூள்கிரி உரிய தீருத்தம் செய்து கொடுக்க சங்ககிரி துணைப்புதிவாளர் அவர்களை அனுமதி காலுக்காவில் உள்ள மாருதாண்டப்பள்ளி மற்றும் நல்லகானகொத்தப்பள்ளி கிராமங்களில் "சிப்காட் தொழிற் பூங்கா" அமைப்பதற்கான கற்றுச்சூழல் இசைவாணை வழங்கியுள்ளது. கோருகல். கூட்டுறவுசங்கங்களின் பதிவாளர் சென்னை அவர்களின் கடிதம் ந.க. 19067/2020/ இவ்விசைவாணையின் முழுவிவரங்களை www.sipcot.tn.gov.in என்னும் சிப்காட் சப-1 நாள்:11.05.2021 மற்றும் அரசாணை (நிலை) எண். 29.பணியாளர் மற்றும் இணையதளத்திலும், மாநில மாசு கட்டுப்பாடு வாரியம் மற்றும் மாநில சுற்றுச்சூழல் தாக்க மதிப்பீட்டு நீர்வாக சீர்த்தீருக்கத் (S) துறை நாள்:25.02.2021-ன்படி ஒய்வு பெறும் வயது ஆணையத்தின் இணையதளத்திலும் பெற்றுக்கொள்ளலாம். மேலும் இவ்விசைவாணையின் 59 லிருந்து 60 ஆக உயர்த்திட பணியாளர்களின் ஒழுங்கு முறை சிறப்பு நகலினை சிப்காட் தலைமை அலுவலகத்திலோ அல்லது சிப்காட் திட்ட அலுவலகத்திலோ துணைவித்களில் உரிய திருத்தம் செய்து கொடுக்க சங்ககிரி தணைப்புகிவாளர் பெற்றுக்கொள்ளலாம். அவர்களை அனுமத் கோருதல், பணியாளர்களின் ஒழுங்கு முறை சிறப்பு துணைவி செடிதொடு/ 751 /வரைகவை/2022 கோலாக கதைகள் அடிக்கும் கதை மர்து கத்தில் வால்லா மேலாண்மை இயக்குனர் क्रीक्रजी दाखेंग. 5. பதிவரளர் சுற்றறிக்கை எண்.05/2022 ந.க.எண்.14071/2022/ சந.1 நாள் MANONMANIAM SUNDARANAR UNIVERSIT 17.03.2022-ன் படி சங்கங்களின் நீர்வாகக்குமுனில் கூடுதலாக ஒரு செயல் (Re-Accredited with B Grade by NAAC) குர்வாகக்குழு றப்பின்றை (Functional Director) சேர்த்துக்கொள்ள துணை ABISHEKAPATTI, TIRUNELVELI - 627 012. TAMIL NADU Phone: 9487999662, (O) 0462-2338652. Fax: 0462-2334563 E-mail: registrar@msuniv.ac.in Website: www.msuniv.ac.in வித் தருத்தம் செய்து கொடுக்க சங்ககிரி துணைப்புதிவாளர் அவர்களை அனுமதி N n Cantor 5560. Ref.No.MSU/R/COE/Cent.for Purchase/SPKCEES/FIST/Tenders/2022 Data 22 07 2022 THOSE ADDREED STORE ADDREED STATEMENT AND ADDREED STORE AD R 6. சங்கத்தில் நாளது வரை கடன் வழங்க சேர்க்கப்பட்ட இணை உறுப்பினர்களை தற்போது "A" வகுப்பு உறுப்பிணர்களாக மாற்றம் செய்வது தொடர்பாக. 55 7. சங்கத்தில் நாளது வரை "A" வகுப்பு உறுப்பினர்களாக சேர்ந்துள்ளவர்களை த 刻うの per the following schedule அங்கீகரித்தல் சம்பந்தமாக. Last Date & Date & Time for Date & Time for Pre-Bid 8. சங்கதுணை விதிமற்றும் கூட்டுறவு சட்டம் மற்றும் விதிகளுக்கு உட்பட்டு தலைவறால் opening the Tenders ime for Tender Tender Downloading the Meeting Date nder Do கொண்டு வரப்படும் இதர விசயங்கள். ठा 29.07.2022 at 17.08.2022 at 18.08.2022 at 23.07.2022 at 11.00 am К.Р.ц.மலை А.ரவிச்சந்திரன் Tender I Tender No:MSU/R/SPKCEES/FIST/AAS/2022 Dated.21.07.2022 04.00 pm - 11.00 am in 11.00 am எம்.மருகேசன் 19.08.2022 at 11.00 am 17.08.2022 at 23.07.2022 at 29.07.2022 at Tender II Tender No:MSU/R/SPKCEES/FIST/AFM/2022 Dated.21.07.2022 தலைவர் 11.00 am 04.00 pm உபகலைவர் 02.30 pm செயலாளர் ander Documents can be downloaded from the University website www.msunlv.ac.in. from 11.00 a.m. of 23.07.2022 IBneit:23.07.2022 Contact E-Mali.ID : registrar@msuniv.ac.in. **REGISTRAR** I/c DIPR / 3512 / TENDER /2022 இடம்:கேவண்ணகவுண்டனூற் " சோதனை கடந்து சுதந்திரம் அடைந்தோம் சாதனை புரிந்து சரித்த





Projects-I/Maruthandapalli/EC/Ad-Forward01/2022

Date: 27.08.2022

/RPAD/

The Director, Ministry of Environment, Forests and Climate Change, Integrated Regional Office, 1st Floor, Additional Office Block for GPOA, Shastri Bhavan, Haddows Road, Nungambakkam, Chennai – 600 006.

Sir,

- Sub: SIPCOT Development of Industrial Park at Marudhandapalli and Nallaganakothapalli Villages of Shoolagiri Taluk, Krishnagiri District, Tamil Nadu – Environmental Clearance (EC) granted by SEIAA – Advertisement Released in Newspaper Dailies - Copy of the Advertisement forwarded - Reg.
- Ref: EC Letter No. SEIAA-TN/F.8784/EC/8(a)/851/2022 dated 01.07.2022

With reference to the above, we have obtained Environmental Clearance (EC) from the SEIAA, TN for the proposed development of SIPCOT Industrial Park at Marudhandapalli and Nallaganakothapalli Villages of Shoolagiri Taluk, Krishnagiri District. As per the condition stipulated in the EC, advertisement was released in the English Daily 'The New Indian Express', Dharmapuri edition dated 23.07.2022 and in the Tamil Daily 'Dinathanthi', Salem edition dated 23.07.2022, publishing the information of Grant of EC by the SEIAA.

The Newspaper Advertisement copies are enclosed for your kind information.

Yours faithfully, Sd/-MANAGING DIRECTOR

/Forwarded by Order/

ASSISTANT MANAGER (P-I)

Encl.: As above

SIP

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DESPATCHED

3 0 AUG 2022

State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008. Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in



Projects-I/Maruthandapalli/EC/Ad-Forward02/2022

Date: 27.08.2022

The Member Secretary, State Level Environment Impact Assessment Authority, 3rd Floor, Panagal Maligai, No.1. Jeenis Road, Saidapet, Chennai – 600 015.

/RPAD/

Sir,

- Sub: SIPCOT Development of Industrial Park at Marudhandapalli and Nallaganakothapalli Villages of Shoolagiri Taluk, Krishnagiri District, Tamil Nadu – Environmental Clearance (EC) granted by SEIAA –
 Advertisement Released in Newspaper Dailies - Copy of the Advertisement forwarded - Reg.
- Ref: EC Letter No. SEIAA-TN/F.8784/EC/8(a)/851/2022 dated 01.07.2022

With reference to the above, we have obtained Environmental Clearance (EC) from the SEIAA, TN for the proposed development of SIPCOT Industrial Park at Marudhandapalli and Nallaganakothapalli Villages of Shoolagiri Taluk, Krishnagiri District. As per the condition stipulated in the EC, advertisement was released in the English Daily 'The New Indian Express', Dharmapuri edition dated 23.07.2022 and in the Tamil Daily 'Dinathanthi', Salem edition dated 23.07.2022, publishing the information of Grant of EC by the SEIAA.

The Newspaper Advertisement copies are enclosed for your kind information.

Yours faithfully, Sd/-MANAGING DIRECTOR

/Forwarded by Order/

ASSISTANT ANÁGER (P-I)

Encl.: As above.



State Industries Promotion Corporation of Tamil Nadu Limited (A Government of Tamil Nadu Undertaking) CIN: U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008. Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in

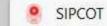


पाने वाले के हस्ताक्षर / Signature of addressee









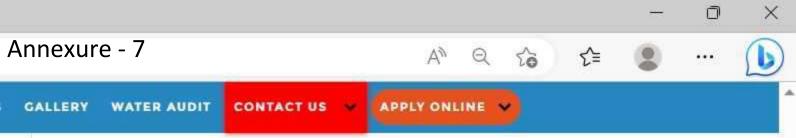
С

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https://sipcot.tn.gov.in/pages/view/Environmental-Clearance

17	Che	eyyar	Thiruvannamalai		
	a)	Cheyyar – I		Download	
	b)	Cheyyar – II		Download	
18	Ora	gadam	Kancheepuram		
	a)	Oragadam		Download	
	b)	Vaipur Mathur		Download	
19	The	ervoykandigai	Thiruvallur	Download	
20	Pilla	aipakkam	Kancheepuram	Download	
21	Vallam Vadagal Kancheepura		Kancheepuram		
	a)	Vallam Vadagal – I		Download	
	b)	Aerospace Park		Download	
	c)	Vallam Vadagal – II		Download	
22	Ma	naparai	Tiruchirappalli	Download	
23	Tin	divanam	Villupuram	Download	
24	Ma	nallur	Thiruvallur	Download	
25	The	oothukudi - II	Thoothukudi	Download	
26	Ner	nili	Kancheepuram	Download	
27	Ma	rudhandapalli (Hosur Phase-IV)	Krishnagiri	Download	
28	Ma	mbakkam	Kancheepuram	Download new	
29	The	eni	Theni	Download new	





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Annexure - 8



சுருக்கம்

தொழில் துறை –2021–2022 –ஆம் ஆண்டு திருத்த வரவு செலவு திட்ட அறிக்கை – ஒசூரில் 20 MLD TTRO கழிவுநீர் சுத்திகரிப்பு ஆலை –அரசாணை வெளியிடுதல்.

தொழில் (எம்.ஐ.ஜி.1) துறை

அரசாணை (நிலை) எண்.269

நாள் 11.10.2021 பிலவ வருடம், புரட்டாசி 25, திருவள்ளுவர் ஆண்டு 2052.

படிக்கப்பட்டது

- 1) அரசு ஆணை (நிலை) எண் 155, தொழில் (எம்.ஐ.ஜி.1) துறை, நாள் 17.11.2017
- 2) மேலாண்மை இயக்குநர், தமிழ்நாடு தொழில் முன்னேற்ற நிறுவனம் அவர்களின் கடித எண்.P-I/Announcement/2021, நாள் 08.10.2021.

ஆணை:

2021–2022–ஆம் ஆண்டிற்கான திருத்த வரவு செலவு திட்ட அறிக்கையில் மாண்புமிகு நிதித்துறை அமைச்சர் அவர்கள் கீழ்க்காணும் அறிவிப்பினை வெளியிட்டுள்ளார்:–

"ஓசூரில் உள்ள தொழிலகங்களுக்கான 20 MLD TTRO கழிவுநீர் சுத்திகரிப்பு ஆலை நிறுவப்படும்".

2. மேலே படிக்கப்பட்ட கடிதத்தில் மேலாண்மை இயக்குநர், சிப்காட் அவர்கள் மேற்காணும் அறிவிப்பினை நடைமுறையில் கொண்டு வருவதற்கு, ஆணை வெளியிடப்பட்ட நாளிலிருந்து 12 மாத காலம் அவகாசம் வேண்டியும், எடுக்கப்படும் நடவடிக்கைகளை தொடர்ந்து கண்காணிக்கும் பொருட்டு ஒருங்கிணைப்பு அலுவலராக (Nodal Officer) திருமதி. S.லதா, செயற் பொறியாளர், அவர்களை நியமனம் செய்வதற்கு ஆணை வேண்டியுள்ளார். 3. இந்நிலையில், மேற்காணும் அறிவிப்பினை சிப்காட் நிறுவனம் 12 மாத காலத்திற்குள் நடைமுறைப்படுத்தவும், இத்திட்டத்திற்கான ஒருங்கிணைப்பு அலுவலராக (Nodal Officer) திருமதி. S.லதா, செயற் பொறியாளர், அவர்களை நியமனம் செய்தும், எடுக்கப்பட்ட நடவடிக்கைகளின் முன்னேற்றங்களை மாதாந்திர இடைவெளியில், அறிக்கையாக சமர்ப்பிக்கவும், மேலாண்மை இயக்குநர், சிப்காட் அவர்கள் இதன்மூலம் அறிவுறுத்தப்படுகிறார்.

(ஆளுநரின் ஆணைப்படி)

நா.முருகானந்தம் அரசு முதன்மைச் செயலாளர்

<u>பெறுநர்:</u> மேலாண்மை இயக்குநர், சிப்கா<u>ட்,</u> 19–ஏ. ருக்மணி லட்சுமிபதி சாலை, எழும்பூர், சென்னை–600 008.

நகல்:

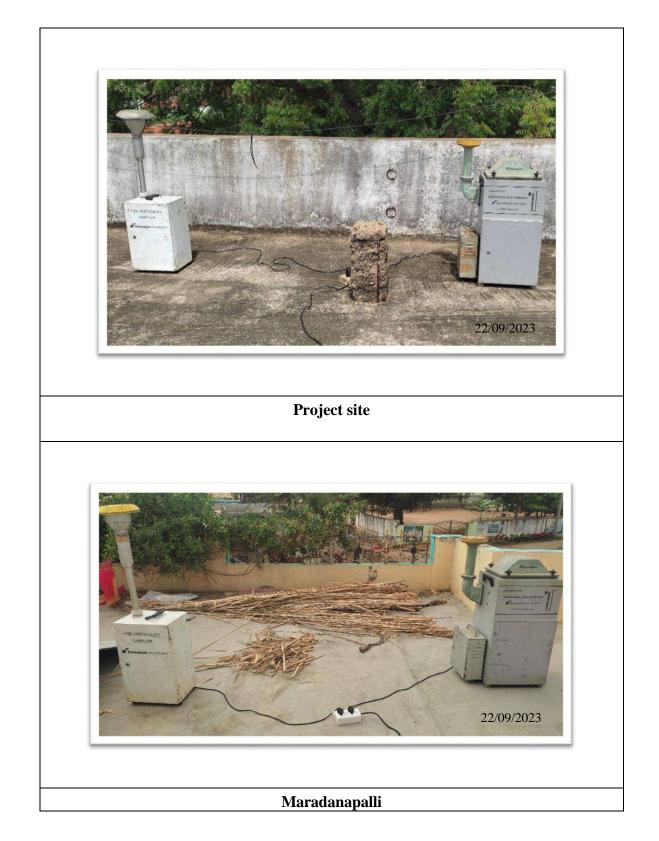
சிறப்பு திட்டங்கள் அமலாக்கத்துறை, சென்னை–600 009. தொழில் (அ.ந.மு.2/வ.செ.தி) துறை, சென்னை–600 009. இ.கோ/உ.ந.

// ஆணைப்படி அனுப்பப்படுகிறது//

பிரிவு`அலுவலர்

SIPCOT – MARUDHANDAPALLI MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:







Ground water sampling photos





Surface water sampling photograph





Soil sampling photograph







Noise monitoring photograph





Annexure - 10

HOME	ABOUT US 💌 DASHBOARD 👻 DOCUMENT OFFICE ORDERS / CIRCULARS 🔍 TENDERS	GALLERY WATER AUDIT CONTACT US
		ENVIRONMENT MANAGEMENT
Sl.no.	Title	
1	Compliance Report -Thervoy Kandigai for June 2023	
2	Compliance Report - Pillaipakkam for June 2023	Environment Policy Environmental Clearance
3	Compliance Report - Vallam Vadagal I for June 2023	Compliance Report
4	Compliance Report - Vaipur Mathur for June 2023	y compilation regions.
5	Compliance Report - Aerospace Park for June 2023	
6	Compliance Report - Cheyyar for June 2023	
7	Compliance Report - Manaparai for June 2023	
8	Compliance Report - Tindivanam for June 2023	
9	Compliance Report - Manallur for June 2023	
10	Compliance Report - Vallam Vadagal II for June 2023	
11	Compliance Report - Thoothukudi for June 2023	
12	Compliance Report - Nemili for June 2023	
13	Compliance Report - Mambakkam for June 2023	
14	Compliance Report - Marudhandapalli for June 2023	
15	Compliance Report - Theni for June 2023	
16	Environmental Statement for the Financial Year - 2022 - 2023	



Annexure - 11

P-III/EC/I/27207/2023/H-IV

Date: 25.09.2023

To, The Member Secretary, Tamil Nadu Pollution Control Board, No.76, Mount Salai, Guindy, Chennai – 600 032.

Sir,

Sub: SIPCOT Industrial Park, Marudhandapalli – Environmental Statement for the Financial Year ending 31st March 2023 - Submitted – Reg.

Ref: SEIAA EC Letter No. SEIAA-TN/F.No.8784/EC/8(a)/851/2022 dated 01.07.2022.

With reference to the above, we hereby submit the Environmental Statement in Form-V as prescribed under the Environmental (Protection) Rules, 1986 and its subsequent amendment in respect of SIPCOT Industrial Park at Marudhandapalli, Nallaganakothapalli Villages in Shoolagiri Taluk, Krishnagiri District, Tamil Nadu for the Financial Year ending 31st March 2023.

> Yours faithfully, Sd/-MANAGING DIRECTOR

Encl: As above.

/Forwarded by Order/

ASSISTANT GENERAL MANAGER (P-III)



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking) CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmipathy Road, Post Box No.7223, Egmore, Chennai - 600 008. Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in