

HALF YEARLY ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT

For the Period of April 2024 to September 2024

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,
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Prepared by



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1. 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)
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. LOCATION MAP



3. SITE PHOTOGRAPHS





4. 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 mandated 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 Noted.
6.	The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc. to SEIAA.	Condition Noted.
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-waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.	Separate area has been earmarked for Solid Waste Management Facility. All the member units will be instructed to follow applicable rules and guidelines.
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 greenbelt development after composting.	All the member units will be mandated to have their own STP and to reuse the treated sewage as per norms.
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	Condition Noted. Overall greenbelt of minimum 33% will be provided as committed.

	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 include 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, play area as per the norms for the pubic usage and as committed.	Condition will be complied.
12.	The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed	Condition will be complied.
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.	All the member units will be instructed to follow applicable rules and guidelines.
14.	No waste of any type to be disposed off in any other way other than the approved one.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
15.	The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.	Condition will be complied.
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.	Condition will be complied. Individual member units will be mandated to obtain all necessary statutory clearances and approvals.
17.	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.	Condition will be complied.
18.	The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring the	Condition will be complied.

	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 should be utilized maximum for illumination of common areas, street lighting etc.	Condition noted.
20.	As per the MoEF & CC Office Memorandum F.No. 22-6512017-1A.1 Dated: 30.09.2020 and 20.10.2020 the proponent shall adhere EMP furnished.	Condition noted.
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.	Condition will be complied.

SEIAA Additional conditions:

S.NO	CONDITIONS	STATUS OF COMPLIANCE
1.	The proponent shall ensure compliance of all the conditions imposed in the DFO/Hosur letter addressed to the Wildlife Warden, Dharmapuri.	Condition Noted.
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.	Condition Noted.
3.	The Proponent shall furnish the necessary documents for complete land acquisition of the Proposed industrial Park to TNPCB before obtaining CTE.	Condition Noted.
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	All the member units will be instructed to

	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.	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.
11.	The proponent shall ensure that provision Should be given for proper utilization of recycled water.	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.
12.	The proponent shall ensure that all trees & biodiversity listed in EIA report to be Protected within the premises.	Condition noted.
13.	The proponent shall ensure that the buildings should not cause any damage to water environment, air quality and should be carbon neutral building.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
14.	All the Buildings shall be energy efficient and confirm to the green building norms.	All the member units will be instructed to follow applicable rules and guidelines.
15.	The proponent shall ensure almost safety for the existing biodiversity, trees. flora & fauna shall not disturb under any circumstances.	Condition noted.
16.	The proponent shall ensure that the all activities of EMP shall be completed before obtaining CTO from TNPCB.	Condition noted.
17.	The proponent shall ensure that the activities undertaken should not result in Carbon emission and temperature rise, in the area.	Condition noted.
18.	The proponent shall ensure that the buildings and activities should not result in Environmental damages, nor result in temperature rise.	Condition noted.
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.	Condition will be complied. Overall greenbelt of minimum 33% will be provided as committed.
20.	The proponent shall provide the emergency exit in the buildings	All the member units will be instructed to follow the applicable rules and guidelines.
21.	The proponent shall provide elevator as Per rules CMDA/DTCP	All the member units will be instructed to 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.	SIPCOT does not propose CSTP. All the member units shall comply with.
23.	The proponent shall adhere to the provision and norms regard to fire safety Prescribed by	All the member units will be instructed to follow applicable rules and guidelines.

	competent authority.	
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
1.	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.	No appeal lies against this Environmental Clearance.
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.	Condition noted. Construction shall be carried out as per the DTCP approval.
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.	Condition noted.
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) A, 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.	Condition noted. All the member units will be instructed to obtain all necessary statutory clearances and approvals. Consent to Establish obtained from TNPCB and the copy of CTE is attached as Annexure-2.
5.	The SEIAA reserves the right to add additional safeguard measures subsequently. If non-compliance of any of the EC conditions is found and to take action, including revoking of his Environmental	Condition noted.

	Clearance as the case may be.	
6.	A proper record showing compliance of all the conditions of Environmental Clearance shall be maintained and made available at all the times.	Condition noted.
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 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.	Condition complied. Form V Acknowledgement copy is attached as Annexure -11.
8.	The Regional Office of the Ministry Located at Chennai shall monitor Compliance of the stipulated conditions. The project authorities Should extend full cooperation to the Officer (s) of the Regional Office by furnishing the requisite data information monitoring reports.	Condition noted.
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.	Conditions complied. CTE obtained from TNPCB and the copy of CTE is attached as Annexure-2.
10.	In the case of any changes 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.
11.	The conditions will be enforced inter-alia. Under the provisions of the Water (Prevention & Control Of pollution) Act, 1974, the Air (prevention Pollution) Act, 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.	Condition noted.

	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.	Condition noted.
13.	Failure to comply with any of the condition mentioned above may result in withdrawal of this clearance and attract action under the provision of the Environment (Protection) Act, 1986.	SIPCOT shall comply with all applicable conditions specified in the EC.
14.	The proponent shall upload the status of compliance of the stipulated EC condition, 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, Bangalore 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 sectional parameters' indicated for the project shall be monitored.	Condition is being complied. Compliance of EC conditions uploaded in website is enclosed as Annexure – 10.
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 if it is found or if it comes to the 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.	Condition noted.
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'	Condition noted.
17.	The SEIAA, TN may alter/modify the above condition in the interest of environmental protection, even during the subsequent period.	Condition noted.
18.	The Environmental Clearance does not absolve the applicant/ proponent of his obligation/ requirement to obtain other statutory and administration clearances from other statutory and administrative	Condition noted.

	authorities.	
19.	Where the trees need to be cut, compensation plantation in the ratio of 1:10 (planting of 10 trees for every one tree that is cut) should be done with the obligation to continuous maintenance.	Condition noted.
20.	A separate environmental management cell with suitable qualified personnel should be set – up under the control of a senior Executive who will report directly to the head of the organization and the shortfall shall be strictly reviewed and addressed.	Condition complied. Separate environmental management cell has been assigned and will report to the General Manager, SIPCOT who will report directly to the Head of the Organization for implementation monitoring and compliance of the environmental safeguards. Details of Environmental Management Cell with Roles and Responsibilities are enclosed as Annexure - 3.
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.	Condition Noted.
22.	The project proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.	Condition Noted.
23.	The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition Noted.
24.	The project activity should not Impact the water bodies. A detailed inventory of the water bodies forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.	Condition will be complied. Surface water quality monitoring report is enclosed as Annexure - 4.
25.	All the assessed flora & fauna should be conserved and protected.	Condition noted.
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.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
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 will be met through TWAD vide Industries department GO (MS) No. 269 Dated 11/10/2021 and is enclosed as Annexure- 8.
28.	The proponent shall appoint an Environmental Engineer with necessary qualification for the operation and	STP is not proposed by SIPCOT. All the member units will be instructed to comply with.

	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.	Condition will be complied.
30.	All the mitigation measures committed by the proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.	Condition will be complied.
31.	No waste of any type to be displayed of in any watercourse including drains, canals and the surrounding environment.	Condition noted. All the member units will be instructed to comply with.
29.	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided.	Condition Noted.
30.	The safety measures proposed in the report should be strictly followed.	Condition will be complied.

Part- B – Specific Conditions – Pre Construction Phase:

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.	Condition complied. The Screenshot of EC copy uploaded in the website is attached as Annexure – 7.
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	Condition noted. All the member units shall

	for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.	comply with.
6.	Design of building should be in conformity with the Seismic Zone Classifications.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
7.	The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.	Condition will be complied. All the member units will be instructed to comply with.
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.	Condition is not applicable. Site does not fall in CRZ area.
9.	The proponent shall prepare completion plans showing Separate pipelines marked with different colours with the following details 1. Location of STP, compost system, underground sewer line 2. Pipe Line conveying the treated effluent for green belt development 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. Storm water drains, and 9. Rain water harvesting system, etc., and it shall be made available to the owners.	Conditions applicable will be complied.
10.	A First Aid Room shall be provided in the project site during the entire construction and operation phases of the project.	Condition noted. Member units shall comply with.
11.	The present land use surrounding the project site shall not be disturbed at any point of time.	Condition noted.
12.	The green belt area shall be planted With indigenous native trees.	Condition Noted. Greenbelt will be developed with indigenous native species.
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.	Condition noted.
14.	During the construction and operation phase, there should be no disturbance to the	Condition Noted. All the water bodies within and outside the area

	aquatic eco-system within and outside the area.	will be maintained as is where is condition.
15.	The Provisions of Forest conservation Act 1980, Wild Life Protection Act 1972 & Bio diversity Act 2002 should not be violated.	Condition noted.
16.	There should be Firefighting plan and all required safety plan.	Condition noted. All the member units will 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 to furnish the probable date of commissioning of the project supported with necessary bar charts to SEIAA-TN.	Condition noted.
2.	Labour Welfare:	
	i) All the labourers to be engaged for construction should be screened for health and adequately treated before and during their employment on the work at the site.	Condition noted. All the member units will be instructed to comply with.
	ii) Personnel working In dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health Surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
	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.
3.	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 such as fuel for cooking, mobile toilets, 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	Condition not applicable. Local labors will be employed for the project. There will not be any housing for labors.

	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.	Condition will be complied. All the member units shall comply with.
	iv) Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices prevalent.	Condition will be complied. All the member units shall comply with.
	v) Fixtures for showers, toilet flushing and drinking water should be of low flow type by adopting the use of aerators / pressure reducing devices / sensor based control.	Condition will be complied. All the member units shall comply with.
4.	Solid Waste Management:	
	i) In the solid waste management plan, the STP sludge management plan for direct use as manure, gardens is not acceptable; it must be co-composted with biodegradables.	All the member units shall comply with.
	ii) Hazardous wastes such as batteries, 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.	All the member units shall comply with.
	iii) Domestic solid wastes to be regularly collected in bins or waste handling receptacles and solid waste management rules 2016.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
	iv) No waste of any type disposed of in any watercourse including drains, canals and the surrounding environment.	Condition will be complied. All the member units will be instructed to comply with.
	v) E-waste shall be disposed through Authorized vendor as per E-waste (Management and Handling) Rules, 2016 and subsequent amendment.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
5.	Top Soil Management:	
	i) All the top soil excavated during construction activities should be stored for use in horticulture/ landscape development within the project site.	Condition noted. All the member units shall comply with.
6.	Construction Debris disposal:	
	i) Disposal of construction debris during construction phase should not create any adverse effect on the neighboring	Condition will be complied. All the member units will be instructed to comply 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 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.	Condition will be complied. All the member units will be instructed to comply with.
7.	Diesel Generator sets:	
	i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines.
	ii) The diesel required for stand by DG sets shall be stored in underground tanks fulfilling the safety norms and if required, clearance from Chief Controller of explosives shall be taken.	Condition noted. All the member units shall be instructed to obtain necessary approvals.
	iii)The acoustic enclosures installed at all noise generating equipments such as DG sets, air conditioning systems, cooling water tower etc.	Condition noted. All the member units shall comply with.
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.	Condition will be complied. All the member units will be instructed to follow applicable rules and guidelines.
	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.	Condition noted. All the member units will be instructed to follow applicable rules and guidelines. The Noise monitoring report is attached as Annexure -4.
	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 distance between them to allow free movement of fresh air and passage of natural light, air and ventilation.	All the member units shall comply with.
	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.	Condition noted. All the member units will be instructed to comply with.
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 7th August, 2003 and Notification No. S.O. 2807 (E) dated: 03.11.2009.	All the member units will be instructed to follow applicable rules and guidelines.
	ii) Ready-mix concrete used in building construction and necessary cube tests should be conducted ascertain their quality.	All the member units shall comply with.
	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.	All the member units shall comply with.
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.	Condition noted. All the member units will be instructed to comply with.
	ii) Storm water management plan shall be obtained by engaging the services of Anna University/IIT.	Condition noted.
11.	Energy Conservation Measures:	
	i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.	All the member units will be instructed to follow applicable rules and guidelines.

	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.	All the member units will be instructed to follow applicable rules and guidelines.
	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.	All the member units will be instructed to follow applicable rules and guidelines.
	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.	Condition noted. All the member units will be advised to comply with.
	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.	The proposed project is an establishment of industrial park which involves provision of roads, storm water drains, greenbelt, Power supply, water supply, etc. The member units will be instructed to follow applicable rules and guidelines.
	vi) Energy conservation 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.	Condition will be complied. All the member units shall comply with.
12.	Fire Safety:	
	i) Adequate fire protection equipments and rescue arrangements should be made as per the prescribed standards.	Condition noted.
	ii) Proper and free approach road for fire-fighting vehicles up to the buildings and for rescue in the event of emergency shall be made.	Condition will be complied.
13.	Green Belt Development:	
	i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.	Condition will be complied. Greenbelt will be developed through Forest Department.
	iv) The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along	Condition will be complied. Greenbelt will be developed as per the Layout Approval.

	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.	Condition noted. Overall greenbelt of minimum 33% will be developed as per the layout approval.
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.	SIPCOT did not propose STP. All the member units will be instructed to comply with.
	ii) The Proponent shall install STP as furnished. Any alteration to satisfy the bathing quality shall be informed to SEIAA-TN.	SIPCOT did not propose STP. All the member units will be instructed to comply with.
	iii) The project proponent shall operate and maintain the Sewage treatment Plant effectively to meet out the standards prescribed by the CPCB.	SIPCOT did not propose STP. All the member units will be instructed to follow applicable rules and guidelines.
	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.	SIPCOT did not propose STP. All the member units will be instructed to follow applicable rules and guidelines.
	v) The project proponent has to ensure the complete recycling of treated sewage after achieving the standards prescribed by the CPCB	SIPCOT did not propose STP. All the member units will be instructed to comply with.
	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.	SIPCOT did not propose STP. All the member units will be instructed to comply with.
15.	Rain Water Harvesting:	
	i) 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.	Condition noted. All the member units will be instructed to comply with.
	ii) Rain water harvesting for surface run-off, as per plan submitted should be	Condition noted. All the member units will be instructed to

	implemented. Before recharging the surface run off, pre-treatment with screens, settlers etc. must be done to remove suspended matter, oil and grease, etc.	comply with.
	iii) The project proponent has to provide rain water harvesting pits to recover and reuse the rain water during normal rains as reported.	Condition noted. All the member units will be instructed to comply with.
	iii) The project activity should not cause any disturbance & deterioration of the local bio diversity.	Condition noted.
16.	Building Safety:	
	Lightning arrester shall be properly designed and installed at top of the building and where ever is necessary.	All the member units shall comply with.

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

Not Applicable – Since the project is under construction phase.

5. 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 2024 to September 2024.

5.1 Ambient Air Quality Monitoring

The Ambient Air Quality parameters such as suspended particulate matter (PM₁₀), Respirable matter (PM_{2.5}), Sulphur dioxide, Oxides of Nitrogen (NO_x) and Carbon monoxide were monitored during the period from April 2024 to September 2024. 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 2024 to September 2024 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 2024 to September 2024. 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 2024 to September 2024. 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 2024 to September 2024. The test report of surface water samples collected is attached as **Annexure -4**.

6. CONCLUSION

1. The environmental monitoring was carried out at site during the period of **April 2024 to September 2024.**
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**

ENVIRONMENTAL
CLEARANCE

**Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Tamil Nadu)**

To,

The Managing Director
STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU
LIMITED (SIPCOT)
19-A,Rukmani Lakshmiipathy Road, Egmore,Chennai -600008

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/TN/MIS/76002/2021 dated 25 May 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22B039TN146946 |
| 2. File No. | 8784 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 8(b) Townships and Area Development
projects. |
| 6. Name of Project | PROPOSED DEVELOPMENT OF
SIPCOT INDUSTRIAL PARK –
Marudhandapalli OVER AN EXTENT OF
413.705 Ha (1021.851 Acres). |
| 7. Name of Company/Organization | STATE INDUSTRIES PROMOTION
CORPORATION OF TAMILNADU
LIMITED (SIPCOT) |
| 8. Location of Project | Tamil Nadu |
| 9. TOR Date | 17 Feb 2022 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 19/07/2022

(e-signed)
Thiru.Deepak S.Bilgi
Member Secretary
SEIAA - (Tamil Nadu)

*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/E.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. Marudhandapalli 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, 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/E.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:


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Annexure 1

S. No	Description	Details
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. Marudhandapalli 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, 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,


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Latitude
&
Longitude

S.No	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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		25	2°40'51.33"N	77°59'7.38"E			
		26	2°40'45.36"N	7°58'57.87"E			
		27	2°40'56.56"N	7°58'54.05"E			
		28	12°41'8.42"N	7°58'55.20"E			
		29	2°41'22.86"N	77°59'0.97"E			
		30	2°41'31.79"N	77°59'5.32"E			
		31	2°41'46.09"N	77°59'2.52"E			
		32	2°41'53.75"N	7°59'21.59"E			
		33	12°42'1.40"N	7°59'38.47"E			
		34	12°42'4.98"N	7°59'56.21"E			
		35	12°42'6.44"N	78° 0'11.51"E			
3.	Type of Project	Schedule 8 (b) - Townships and area development Projects					
4.	Total Area (in sq. m)- 413.705 Ha (1021.851 Acres)						
	Area break up	As per ToR application			Revised for EIA report		
		Acres	Ha	%	Acres	Ha	%
	Plot area (including 33% green belt)	733.25	296.862	73.28	758.250	306.984	75.78
	Common Amenities (Project office including medical dispensary, water supply, EB, Fire station)	20.013	8.102	2.00	14.200	5.749	1.42
	Commercial Activities (Bank, ATM, shops, canteen, parking area etc.)	30.020	12.154	3.00	30.020	12.154	3.00
	Solid waste management	14.000	5.668	1.39	5.000	2.024	0.50
	Road, storm water drains	89.758	36.34	8.97	80.865	32.739	8.08
	OSR	91.090	36.879	9.10	91.980	37.239	9.19
	Green belt 3 m along road	22.527	9.120	2.26	20.343	8.236	2.03
	Developable area	1000.658	405.125	100	1000.658	405.125	100.00
	Water bodies as per revenue record	21.193	8.580		21.193	8.58	
	Total land area	1021.851	413.705		1021.851	413.705	
5.	Cost of Project	Rs. 661 Crores					
6.	Project Description	SIPCOT proposes development of Industrial Park at Marudhandapalli and Nallaganakothapalli Village. Land area - 413.705 Ha (1021.851 Acres). Developable area – 405.125 Ha (1000.658 Acres). Type of Industries Proposed					

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		Engineering, fabrication, automobiles & Auto components -60% - 184.53Ha Electrical & Electronics- 25% -76.75Ha Food processing -10% - 30.722Ha and Other Non EC category industries- 5% - 14.984Ha Green belt area – 36.23% - 146.78 Ha																														
7.	Manpower (Nos)	Construction phase-150 nos. operation phase -13,550 nos																														
8.	Water Requirement	Water Requirement/per day Construction phase: 100 kLD <u>Operation phase:</u> <table><tr><th>S.No</th><th>Water Usage</th><th>Fresh water (KLD)</th><th>Recycled water by individual industries (KLD)</th><th>Total water (KLD)</th></tr><tr><td>1</td><td>Domestic</td><td>610</td><td>0</td><td>610</td></tr><tr><td>2</td><td>Process</td><td>827</td><td>1256</td><td>2083</td></tr><tr><td>3</td><td>Utilities</td><td>0</td><td>665</td><td>665</td></tr><tr><td>4</td><td>Green belt development</td><td>4587</td><td>550</td><td>5137</td></tr><tr><td></td><td>Total</td><td>6024</td><td>2471</td><td>8495</td></tr></table> Source of water - TWAD Board	S.No	Water Usage	Fresh water (KLD)	Recycled water by individual industries (KLD)	Total water (KLD)	1	Domestic	610	0	610	2	Process	827	1256	2083	3	Utilities	0	665	665	4	Green belt development	4587	550	5137		Total	6024	2471	8495
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3	Utilities	0	665	665																												
4	Green belt development	4587	550	5137																												
	Total	6024	2471	8495																												
9.	Waste Generation and Water treatment	Wastewater generated/day -Operation phase <table><tr><th>S.No</th><th>Wastewater source</th><th>Quantity (KLD)</th><th>Treatment</th></tr><tr><td>1</td><td>Sewage from industries</td><td>550</td><td>Will be treated by individual industries and used for green belt development.</td></tr><tr><td>2</td><td>Effluent from individual industries</td><td>1935</td><td>Will be treated by individual industries and used for process and utilities. ZLD will be maintained by individual industries.</td></tr></table>	S.No	Wastewater source	Quantity (KLD)	Treatment	1	Sewage from industries	550	Will be treated by individual industries and used for green belt development.	2	Effluent from individual industries	1935	Will be treated by individual industries and used for process and utilities. ZLD will be maintained by individual industries.																		
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2	Effluent from individual industries	1935	Will be treated by individual industries and used for process and utilities. ZLD will be maintained by individual industries.																													

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		Construction phase – Sewage – 6.75KLD (Mobile STP – 8KLD)																																
10.	Mode of discharge / reuse	Treated sewage - green belt development by individual industries Treated effluent - utilities / process (Individual industries will have their own Effluent Treatment Plants and will be mandated to ensure Zero Liquid Discharge concept)																																
11.	Solid waste Generation																																	
	<table><tr><th>S. No</th><th>Waste type</th><th>Quantity as per ToR application (kg/day)</th><th>Quantity revised for EIA (kg/day)</th><th>Disposal Method</th></tr><tr><td colspan="5">Construction Phase</td></tr><tr><td>1</td><td>Organic waste</td><td>40.5</td><td>40.5</td><td rowspan="3">Will be collected and disposed in municipal bins</td></tr><tr><td>2</td><td>Inorganic waste</td><td>27</td><td>27</td></tr><tr><td></td><td>TOTAL</td><td>67.5</td><td>67.5</td></tr><tr><td colspan="5">Operation Phase</td></tr><tr><td>1</td><td>Organic waste</td><td>3564</td><td>3659</td><td>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 TNPCB authorized recyclers/local</td></tr></table>	S. No	Waste type	Quantity as per ToR application (kg/day)	Quantity revised for EIA (kg/day)	Disposal Method	Construction Phase					1	Organic waste	40.5	40.5	Will be collected and disposed in municipal bins	2	Inorganic waste	27	27		TOTAL	67.5	67.5	Operation 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 TNPCB authorized recyclers/local
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				vendors.
2	Inorganic waste	2376	2439	Inorganic waste will be sold to TNPCB authorized recyclers /local vendors by individual industries
	TOTAL	5940	6098	

Hazardous waste: Individual industries will be mandated to dispose as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

12.	Power requirement	42 MVA from TANGEDCO No back up is proposed for common facilities, DG by individual industries
13.	Air Pollution Control measures	<ul style="list-style-type: none"> ➤ Individual industries will be mandated to provide APC measures as per CPCB/TNPCB Norms. ➤ Regular monitoring of Ambient Air Quality by SIPCOT & Individual industries to check whether the standards are being maintained. ➤ Green belt development

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, 64/2G, 64/2H, 65/1A, 65/1B, 65/1C, 65/2A, 65/2B, 65/2C,

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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 Soolagiri Taluk, Krishnagiri District of Tamil Nadu, hereby take oath and state as under in this affidavit:

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

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
Total EMP Cost		4790.0

- 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. Marudhandapalli 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, 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, Soolagiritluk, 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:

1. 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
2. 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.
3. 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
2. The Proponent shall ensure that **no** schedule A & B industries as per EIA Notification 2006, shall be allowed in the Park.
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.
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.
8. 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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composting.

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 public 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.
17. 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.
18. 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.

20. 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.
7. 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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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.
11. 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:

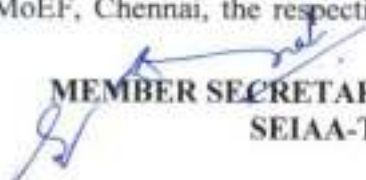
The SEIAA hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 as amended, with validity for Seven years from the date of issue of EC, subject to the compliance of the terms and conditions stipulated below:

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

1. Any appeal against this Environmental Clearance shall 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 non-compliance of any of the EC conditions is found and to take action, including revoking of this Environmental Clearance as the case may be.


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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.
8. The Regional Office of the Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
9. "Consent for Establishment" shall be obtained from the Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu.
10. In the case of any change(s) in the scope of the project, a fresh appraisal by the SEAC/SEIAA shall be obtained before implementation.
11. The conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law, including the Hon'ble National Green Tribunal relating to the subject matter.
12. The Environmental Clearance shall not be cited for relaxing the other applicable rules to this project.
13. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, Chennai, the respective


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Zonal Office of CPCB, Bengaluru and the TNPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, 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 set-up under the control of a Senior Executive who will report directly to the Head of the Organization and the shortfall shall be strictly reviewed and addressed.
21. The EMP cost shall be 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.
23. The project activity should not cause any disturbance & deterioration of the local bio diversity.


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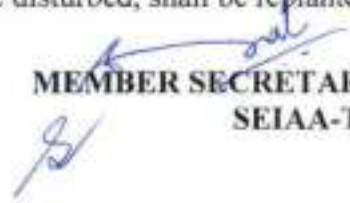
24. The project activity should not impact the water bodies. A detailed inventory of the water bodies and forest should be evaluated and fact reported to the Forest Department & PWD for monitoring.
25. All the assessed flora & fauna should be conserved and protected.
26. The proponent should strictly 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.
5. All required sanitary and hygienic measures for the workers should be in place before starting construction activities and they have to be maintained throughout the construction phase.
6. Design of buildings should be in conformity with the Seismic Zone Classifications.
7. The Construction of the structures should be undertaken as per the plans approved by the concerned local authorities/local administration.
8. 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. Storm water drains, and
 - ix. Rain water harvesting system, etc. and it shall be made available to the owners
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.
15. 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.
- ii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contradictions due to exposure to dust and take corrective measures, if needed.
- iii) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.

3. Water Supply:

- i) The entire water requirement during construction phase may be met from 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 devices / 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:

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

6. Construction Debris disposal:

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


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7. Diesel Generator sets:

- i) Low Sulphur Diesel shall be used for operating diesel generator sets to be used during construction phase. The air and noise emission shall conform to the standards prescribed in the Rules under the Environment (Protection) Act, 1986, and the Rules framed thereon.
- ii) The diesel required for operating stand by DG sets shall be stored in 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:

- i) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material, to fulfill the requirement.
- ii) Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is mandatory for all air conditioned spaces by use of appropriate thermal insulation material to fulfill the requirement.
- iii) All norms of Energy Conservation Building Code (ECBC) and National Building Code, 2005 as energy conservation have to be adopted Solar lights shall be provided for illumination of common areas.
- iv) Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting. A hybrids system or fully solar system for a portion of the apartments shall be provided.
- v) A report on the energy conservation measures conforming to energy conservation norms prescribed by the Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology; R & U factors etc and submitted to the SEIAA in three month's time.


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

12. Fire Safety:

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

13. Green Belt Development:

- i) The Project Proponent shall plant tree species with large potential for carbon capture in the proposed green belt area based on the recommendation of the Forest department well before the project is completed.
- ii) The 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:


- i) 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.
- i) 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.

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


- 1. There should be Firefighting plan and all required safety plan.
- 2. Regular fire drills should be held to create awareness among ~~owners/ residents~~ *employees*.
- 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 atleast 10% 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.
7. 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
8. 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.


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Copy to:

1. The Additional Chief Secretary to Government, Environment & Forests Dept, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD Cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ), 34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34.
5. Monitoring Cell, I A Division, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. The Corporation of Krishnagiri, Chennai District. *Hosur*
7. Stock File.



TAMIL NADU POLLUTION CONTROL BOARD

Category of the Industry :

RED

CONSENT ORDER NO. 2201246985919 DATED: 21/09/2022.

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

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

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, 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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,

MARUDHANDAPALLI Village,
Shoolagiri Taluk,
Krishnagiri District.

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

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.

I	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 DATED: 21/09/2022.

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

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

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, 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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, 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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**

To
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 status: Septic Tank and 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 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 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.

Table – 1: Roles and responsibilities of EMC

S.No.	Designation	Responsibilities
1	Managing Director	<ul style="list-style-type: none"> ➤ Responsible for overall environmental management. ➤ Regularly conduct meeting with EMC and take feedback regarding all the activities performed under Environmental Management and give directions to succeeding component. ➤ Approval of funds for carrying out environmental management activities.
2	GM – Projects	<ul style="list-style-type: none"> ➤ Keep aware about all the activities performed under EMC in the industrial parks. ➤ Issuing direction to Project officers for implementing Greenbelt development, Storm water management, rain water harvesting, etc. ➤ To deal with legal entity pertaining to environmental issues.
3	Manager	<ul style="list-style-type: none"> ➤ To prepare and allocate budget for Environment Management Plan. ➤ Ensuring compliance to the conditions prescribed by statutory authority. ➤ 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.
4	Environmental Consultants (Two)	<ul style="list-style-type: none"> ➤ Obtaining Statutory Approvals from MoEF&CC / SEIAA / TNPCB, etc. ➤ Addressing the various queries received from statutory authorities on environmental front. ➤ Submitting Environmental compliance report and 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.

**TEST REPORT**

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Murudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000046556F

Report No. : HECS/AP/066/280924

Sample ID No : 280924193

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m ³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	6.28	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	µg/m ³	23.70	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	13.95	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	48.12	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	26.77	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	10.35	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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



Dr. Rajkumar Samuel
Director Technical
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
E-mail : labsales@hecs.in

Laboratory Services Division

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

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : Project Site
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/066/280924/N
Sample ID No : 280924193
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 03/10/2024
Report Date : 03/10/2024
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date: 02-07-2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report




Dr. Rajkumar Samuel
Director Technical
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
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TEST REPORT

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Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Maradanapalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000046557F

Report No. : HECS/AP/067/280924

Sample ID No : 280924194

Sampling Date : 28/09/2024

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Report Date : 03/10/2024

Sample quantity : NA

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Discipline : Chemical						
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2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m3	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m3	8.42	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m3	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m3	22.79	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	10.93	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	47.10	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	20.86	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	11.43	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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



D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

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Sample Mark : Maradanapalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

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Sample ID No : 280924194

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No. 01 Issue Date: 02-07-2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Shoolagiri

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

ULR : TC1231024000046558F

Report No. : HECS/AP/068/280924

Sample ID No : 280924195

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m3	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m3	6.85	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m3	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m3	26.14	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	11.89	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	53.20	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	19.55	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	8.32	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : Shoolagiri
Sample Reference : NA
Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/068/280924/N
Sample ID No : 280924195
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 03/10/2024
Report Date : 03/10/2024
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.:01 Issue Date:02:07 2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

U.I.R : TC1231024000046559F

Report No. : HECS/AP/069/280924

Sample ID No : 280924196

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m ³	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH ₃	µg/m ³	8.94	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m ³	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO ₂	µg/m ³	25.15	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O ₃	µg/m ³	12.89	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m ³	48.10	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m ³	23.55	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO ₂	µg/m ³	14.70	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Atmospheric Pollution
Sample Name : Ambient Air
Sample Mark : Sappadi
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0
Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/069/280924/N
Sample ID No : 280924196
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 03/10/2024
Report Date : 03/10/2024
Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.01 Issue Date:02/07 2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Gundugurki

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

U.L.R : TC1231024000046560F

Report No. : HECS/AP/070/280924

Sample ID No : 280924197

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method	NAAQ Standards : 2009	
Discipline : Chemical						
1	Arsenic	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	6 (Annual)	6 (Annual)
2	Nickel	ng/m3	BLQ (LOQ: 2.0)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	20 (Annual)	20 (Annual)
3	Benzene-AAQ	µg/m3	BLQ (LOQ: 0.1)	IS 5182 Part 11: 2006	5 (Annual)	5 (Annual)
4	Benzo (a) pyrene-AAQ	ng/m3	BLQ (LOQ: 0.1)	IS : 5182 Part 12: 2004	1 (Annual)	1 (Annual)
5	Ammonia as NH3	µg/m3	7.43	IS 5182 (Part 25) 2018	400 (24 hours)	100 (Annual)
6	Carbon Monoxide (CO)	mg/ m3	BLQ(LOQ 0.05)	IS 5182 (Part 10) Clause 4 1999	4 (1 hours)	2 (8 hours)
7	Nitrogen dioxides as NO2	µg/m3	20.71	IS 5182 (Part 6) 2006	80 (24 hours)	40 (Annual)
8	Ozone as O3	µg/m3	12.54	IS 5182 (Part 9) 1974	180 (1 hours)	100 (8 hours)
9	Particulate matter (Size less than 10 µm)	µg/m3	56.18	IS 5182 (Part 23) 2006	100 (24 hours)	60 (Annual)
10	Particulate matter (Size less than 2.5 µm)	µg/m3	18.43	IS 5182 (Part 24) 2019	60 (24 hours)	40 (Annual)
11	Sulphur dioxide as SO2	µg/m3	10.89	IS 5182 (Part 2) 2001	80 (24 hours)	50 (Annual)
12	Lead	µg/m3	BLQ (LOQ: 0.002)	HECS-G/INS/SOP/ 041 Issue No.:01 Issue Date:01.03.2021	1 (24 hours)	0.5 (Annual)

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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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Air

Sample Mark : Gundugurki

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 5182 Part 5 & Part 14

Report No. : HECS/AP/070/280924/N

Sample ID No : 280924197

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	TVOC	ppmv	BLQ(LOQ 0.1)	HECS-G/ENV/AAQ/SOP/005 Issue No.:01 Issue Date:02.07 2020

Note:- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, ppmv- Parts per million by Volume.

End of Report



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TEST REPORT

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Near Project Area

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC1231024000047131F

Report No. : HECSL/WT/092/280924

Sample ID No : 280924199

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3	Bi carbonate	mg/l	150.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Baron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	24.05	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	53.89	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Near Project Area

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047131F
Report No. : HECSL/WT/092/280924
Sample ID No. : 280924199
Sampling Date : 28/09/2024

Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres.

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	470.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	9.72	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	6.76	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	34.67	HECS /WT/SOP/002: 2019	NA	NA
19	pH at 25°C	-	7.37	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	2.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	1.21	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	23.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Near Project Area

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047131F

Report No. : HECSL/WT/092/280924

Sample ID No : 280924199

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	22.14	IS 3025 Part 24 Sec I: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	150.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	260.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ(LOQ:2.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec I: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 31 Sec I: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	100.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	0.5	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Near Project Area

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047131F

Report No. : HECSL/WT/092/280924

Sample ID No : 280924199

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres.

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Water
Sample Name : Ground Water
Sample Mark : Near Project Area
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614(Part -1):2021

Report No. : HECSL/WT/092/280924/N
Sample ID No : 280924199
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2003 (Diphenyl Carbazide method)

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 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047130F

Report No. : HECSL/WT/093/280924

Sample ID No : 280924200

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 H , C): 2017	0.2	1
3	Bicarbonate	mg/l	190.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	52.10	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	249.85	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.5	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA

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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047130F
Report No. : HECSL/WT/093/280924
Sample ID No : 280924200
Sampling Date : 28/09/2024

Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	1191.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	0.061	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	26.37	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	11.37	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	52.17	HECS /WT/SOP/002:: 2019	NA	NA
19	pH at 25°C	-	7.91	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	9.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	3.55	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	127.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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TEST REPORT

Page 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047130F

Report No. : HECSL/WT/093/280924

Sample ID No : 280924200

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	53.14	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method) & Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	190.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	667.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	BLQ (LOQ: 3.0)	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	0.117	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	0.035	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	240.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ (LOQ: 0.1)	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047130F
Report No. : HECSL/WT/093/280924
Sample ID No : 280924200
Sampling Date : 28/09/2024

Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

Report No : HECSL/WT/093/280924/N

Sample ID No : 280924200

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ-0.01)	IS 3025 Part 52: 2003 (Diphenyl Carbazide method)

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

End of Report

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Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Maradanappalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047133F

Report No. : HECSL/WT/094/280924

Sample ID No : 280924201

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
Discipline : Chemical						
1	Ammonia as NH3	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34:Sec 2: 2021 (Nesslerization Method)	0.5	No relaxation
2	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition (Method 5540 B , C): 2017	0.2	1
3	Bi carbonate	mg/l	230.0	IS 3025 Part 51: 2001	NA	NA
4	Biological Oxygen Demand (BOD)@ 27°C For 3 days	mg/l	BLQ(LOQ:2.0)	IS 3025 Part 44: 1993	NA	NA
5	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57 -Curcumin Method: 2021	0.5	2.4
6	Calcium as Ca	mg/l	44.09	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	75	200
7	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA	NA
8	Chemical Oxygen Demand (COD)	mg/l	BLQ(LOQ:4.0)	IS 3025 Part 58: 2006	NA	NA
9	Chloride as Cl	mg/l	215.56	IS 3025 Part 32: 1988 (Argentometric Method)	250	1000
10	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 (Part4): 2021	5	15
11	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 Sec 1: 2021	0.05	No relaxation
12	Dissolved oxygen	mg/l	6.7	IS 3025 (Part 38): 1989 (Titrimetric Method)	NA	NA

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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Maradanappalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047133F
Report No. : HECSL/WT/094/280924
Sample ID No : 280924201
Sampling Date : 28/09/2024

Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
13	Electrical Conductivity at 25°C	µS/cm	1185.0	IS 3025 Part-14: 2013	NA	NA
14	Fluoride as F	mg/l	BLQ(LOQ:0.2)	APHA 23rd edition (Method 4500F-B, D): 2017	1.0	1.5
15	Iron as Fe	mg/l	BLQ(LOQ:0.02)	IS 3025 (Part 53): 2003	1.0	No relaxation
16	Magnesium as Mg	mg/l	24.3	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	30	100
17	Nitrate as NO3	mg/l	9.61	APHA 23rd edition (Method 4500 NO3B): 2017	45	No relaxation
18	Percent Sodium	%	51.05	HECS /WT/SOP/002: 2019	NA	NA
19	pH at 25°C	-	7.68	IS 3025(Part 11) : 2022 (Electrometric method)	6.5-8.5	No relaxation
20	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43 Sec 1: 2022	0.001	0.002
21	Potassium as K	mg/l	9.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA
22	Residual Sodium Carbonate	meq/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA	NA
23	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	3.20	IS 11624 : 2019	NA	NA
24	Sodium as Na	mg/l	107.0	IS 3025 Part 45: 1993 (Flame emission Photometric Method)	NA	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Maradanappalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047133F

Report No. : HECSL/WT/094/280924

Sample ID No : 280924201

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
25	Sulphate as SO ₄	mg/l	49.53	IS 3025 Part 24 Sec 1: 2022 (Turbidity Method)	200	400
26	Total alkalinity as CaCO ₃	mg/l	230.0	IS 3025 (Part 23): 1986	200	600
27	Total dissolved solids	mg/l	651.0	IS 3025 (Part 16): 1984	500	2000
28	Total Suspended Solids	mg/l	2.0	IS 3025 (Part 17): 1984	NA	NA
29	Phosphate as PO ₄	mg/l	BLQ (LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
30	Phosphorous as P	mg/l	BLQ (LOQ:0.02)	IS 3025 Part 31 Sec 1: 2022 (Stannous Chloride method)	NA	NA
31	Total hardness as CaCO ₃	mg/l	210.0	IS 3025 (Part 21): 2009	200	600
32	Turbidity, NTU	NTU	BLQ (LOQ:0.1)	IS 3025 (Part 10): 1984	1	5
33	Arsenic	mg/l	BLQ (LOQ:0.005)	USEPA 200.8 : 1994	0.01	No relaxation
34	Barium	mg/l	BLQ (LOQ:0.01)	USEPA 200.8 : 1994	0.7	No relaxation
35	Cadmium	mg/l	BLQ (LOQ:0.001)	USEPA 200.8 : 1994	0.003	No relaxation
36	Chromium	mg/l	BLQ (LOQ:0.01)	USEPA 200.8 : 1994	0.05	No relaxation
37	Copper	mg/l	BLQ (LOQ:0.01)	USEPA 200.8 : 1994	0.05	1.5



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Maradanappalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047133F

Report No. : HECSL/WI/094/280924

Sample ID No : 280924201

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	IS 10500 : 2012	
					Acceptable Limits (Max)	Permissible Limits (Max)
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.1	0.3
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001	No relaxation
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.02	No relaxation
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01	No relaxation
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	5	15

Note :- BLQ - Below the Limit of Quantification, LOQ- Limit of Quantification, NTU- Nephelometric Turbidity Unit, mg/l- Milligrams per litre, NA - Not Applicable.

End of Report



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TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Ground Water

Sample Mark : Maradanappalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

Report No. : HECSL/WT/094/280924/N

Sample ID No : 280924201

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium as Cr6+	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2003 (Diphenyl Carbazide method)

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 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046975F

Report No. : HECS/PE/033/280924

Sample ID No : 280924204

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	31.52	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	7.20	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.50	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	23.1	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	22.8	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	54.1	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.52	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	945.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046975F

Report No. : HECS/PE/033/280924

Sample ID No : 280924204

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.32	FAO of United Nations Rome 2007
12	Organic Carbon	%	1.07	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	1.58	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	6.44	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02-07-2020
16	Total Nitrogen as N	%	0.0318	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	7.92	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	4.64	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	2.3	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	38.8	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue
22	Phosphorous	µg/g	15.64	FAO of United Nations, Rome Chapter - III 2008

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

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/033/280924/N

Sample ID No : 280924204

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	124.31	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	2.32	Inhouse method
3	Infiltration Rate	Cm/hr	5.65	Inhouse method
4	Moisture	%	8.42	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02-07- 2020

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

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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Maradanapalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000046949F

Report No. : HECS/PE/034/280924

Sample ID No : 280924205

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	25.11	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	9.41	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	31.06	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	27.8	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	37.4	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	34.8	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.52	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	864.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Maradanapalli

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC12310240000469491

Report No. : HECS/PE/034/280924

Sample ID No : 280924205

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 04/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.24	FAO of United Nations Rome 2007
12	Organic Carbon	%	1.26	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	2.24	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	5.64	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date: 02-07-2020
16	Total Nitrogen as N	%	0.0204	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	7.84	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	6.04	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	3.2	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	22.4	IS 14765: 2000
21	Colour	-	Red	HECS-G/ENV/SSW/SOP/011 Issue No. 01 Issue Date: 02-07-2020
22	Phosphorous	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter - III 2008

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
Address of the Client : Marudhandapalli
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : Maradanapalli
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/034/280924/N
Sample ID No : 280924205
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 04/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	128.21	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	3.32	Inhouse method
3	Infiltration Rate	Cm/hr	6.4	Inhouse method
4	Moisture	%	4.68	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02/07/ 2020

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

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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Shoolagiri

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000047355F

Report No. : HECS/PE/035/280924

Sample ID No : 280924206

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	32.05	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	9.48	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	23.65	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture	-	Clay Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	32.4	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	27.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	40.4	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.38	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	968.2	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Shoolagiri

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000047355F

Report No. : HECS/PE/035/280924

Sample ID No : 280924206

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gnc/cm ³	1.32	FAO of United Nations Rome 2007
12	Organic Carbon	%	1.47	IS 2720 (Part 22) Section I 1972
13	Organic Matter	%	2.54	IS 2720 (Part 22) Section I 1972
14	Available Potassium	mEq/100g	6.32	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No.:01 Issue Date:02-07-2020
16	Total Nitrogen as N	%	0.0578	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	6.18	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	7.84	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	4.2	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	28.2	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No.:01 Issue Date:02-07-2020
22	Phosphorous	µg/g	BLQ(LOQ 5.0)	FAO of United Nations, Rome Chapter -

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
Address of the Client : Marudhandapalli
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : Shoolagiri
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : ICARDA:2013

Report No. : HECS/TE/035/280924/N
Sample ID No : 280924206
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 07/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	124.51	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	5.62	Inhouse method
3	Infiltration Rate	Cm/hr	4.54	Inhouse method
4	Moisture	%	5.42	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02-07-2020

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

End of Report



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000047354F

Report No : HECS/PE/036/280924

Sample ID No : 280924207

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	24.51	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	7.64	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	25.94	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Clay	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i) Sand	%	31.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii) Silt	%	28.2	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii) Clay	%	40.2	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.68	IS 2720 (Part -26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	710.	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Sappadi

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC 1231024000047354F

Report No. : HECS/PE/036/280924

Sample ID No : 280924207

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.42	FAO of United Nations Rome 2007
12	Organic Carbon	%	1.34	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	2.32	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	8.22	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date:02/07/2020
16	Total Nitrogen as N	%	0.0628	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/L	7.84	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/L	11.86	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	5.3	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	34.6	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No. 01 Issue Date:02/07/2020
22	Phosphorous	µg/g	36.20	FAO of United Nations, Rome Chapter -

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

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Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Pollution & Environment
Sample Name : Soil
Sample Mark : Sappadi
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : ICARDA:2013
Report No : HECS/PE/036/280924/N
Sample ID No : 280924207
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 07/10/2024
Report Date : 04/10/2024
Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	128.64	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	3.94	Inhouse method
3	Infiltration Rate	Cm/hr	3.8	Inhouse method
4	Moisture	%	7.14	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02/07/ 2020

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



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TEST REPORT

Page : 1 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Gundugurki

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000047352F

Report No. : HECS/PE/037/280924

Sample ID No : 280924208

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Cadmium	mg/Kg	BLQ (LOQ: 0.1)	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
2	Chromium	mg/Kg	34.84	HECS-G/INS/SOP/042 Issue No.:01 Issue Date:01.03.2021
3	Copper	mg/Kg	8.21	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
4	Zinc	mg/kg	26.18	HECS-G/INS/SOP/ 042 Issue No.:01 Issue Date:01.03.2021
5	Soil Texture		Clay Loam	FAO of United Nations, Rome Chapter - III 2008
6	Soil Texture i)Sand	%	30.6	FAO of United Nations, Rome Chapter - III 2008
7	Soil Texture ii)Silt	%	38.5	FAO of United Nations, Rome Chapter - III 2008
8	Soil Texture iii)Clay	%	30.9	FAO of United Nations, Rome Chapter - III 2008
9	pH Value @ 25 ° C (1 : 2.5)	-	7.30	IS 2720 (Part 26) 1987
10	Electrical conductivity @ 25 ° C (1 : 2)	µS/cm	630.0	IS 14767: 2000



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TEST REPORT

Page : 2 of 2

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Gundugurki

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

ULR : TC1231024000047352F

Report No : HECS/PE/037/280924

Sample ID No : 280924208

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
11	Bulk Density	gm/cm ³	1.28	FAO of United Nations Rome 2007
12	Organic Carbon	%	0.76	IS 2720 (Part 22) Section 1 1972
13	Organic Matter	%	1.32	IS 2720 (Part 22) Section 1 1972
14	Available Potassium	mEq/100g	8.34	FAO of United Nations, Rome Chapter - III 2008
15	Boron as B	mg/kg	BLQ(LOQ 0.1)	HECS-G/ENV/SSW/SOP/018 Issue No. 01 Issue Date: 02/07/2020
16	Total Nitrogen as N	%	0.0640	IS 14684 Clause 4 1999
17	Exchangable Calcium as Ca	mEq/l	6.92	FAO of United Nations, Rome Chapter - III 2008
18	Exchangable Magnesium as Mg	mEq/l	6.86	FAO of United Nations, Rome Chapter - III 2008
19	Cation Exchange Capacity	mEq/100g	5.4	IS 2720 (Part 24) Clause 5 1976
20	Water Holding capacity	%	20.6	IS 14765: 2000
21	Colour	-	Black	HECS-G/ENV/SSW/SOP/011 Issue No. 01 Issue Date: 02/07/2020
22	Phosphorous	µg/g	40.64	FAO of United Nations, Rome Chapter - III 2008

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

Address of the Client : Marudhandapalli

Group : Pollution & Environment

Sample Name : Soil

Sample Mark : Gundugurki

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : ICARDA:2013

Report No. : HECS/PE/037/280924/N

Sample ID No : 280924208

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 04/10/2024

Sample quantity : 1 Kg

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Manganese	mg/kg	153.42	HECS-G/INS/SOP/ 042
2	Iron	mg/kg	3.56	Inhouse method
3	Infiltration Rate	Cm/hr	3.4	Inhouse method
4	Moisture	%	3.54	HECS-G/ENV/SSW/SOP/003 Issue No.:01 Issue Date:02-07-2020

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

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**TEST REPORT**

Page : 1 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Lake Near Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047356F

Report No. : HECSL/WT/095/280924

Sample ID No : 280924202

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
Discipline : Chemical					
1	Ammonia as NH ₃	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate	mg/l	150.0	IS 3025 Part 51: 2001	NA
3	Biological Oxygen Demand (BOD) _{@ 27°C For 3 days}	mg/l	3.0	IS 3025 Part 44: 1993	2
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	40.08	IS 3025 Part 40: 1991(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	20.0	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	205.75	IS 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	10
9	Dissolved oxygen	mg/l	6.1	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	781.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.44	APHA 23rd edition Method 4500 F -B,D: 2017	1.5
12	Iron as Fe	mg/l	0.089	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO ₃	mg/l	4.37	APHA 23rd edition Method 4500 NO ₃ B: 2017	20



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TEST REPORT

Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Lake Near Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047356F

Report No. : HECSL/WT/095/280924

Sample ID No : 280924202

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	7.81	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	564.0	IS 3025 Part 16: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B, C: 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
18	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mg/l	21.87	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	51.54	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
21	Phenolic compounds as C ₆ H ₅ OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	0.002
22	Phosphate as PO ₄	mg/l	0.14	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K	mg/l	7.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	3.08	IS 11624: 2019	NA



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TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Lake Near Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

U/LR : TC1231024000047356F

Report No. : HECSL/WT/095/280924

Sample ID No : 280924202

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
26	Sodium as Na	mg/l	98.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO ₄	mg/l	43.96	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	150.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	190.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.043	IS 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/l	4.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	2.1	IS 3025 Part 10: 1984	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.001
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001



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TEST REPORT

Page : 4 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Lake Near Project Site

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047356F

Report No. : HECSL/WT/095/280924

Sample ID No : 280924202

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

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

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Lake Near Project Site

Sample Reference : NA

Sample Drawn By : M/s.Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

Report No. : HECSL/WT/095/280924/N

Sample ID No : 280924202

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 07/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2003

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 : 4 of 4

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Water
Sample Name : Surface Water
Sample Mark : Sappadi Lake
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614(Part -1):2021

U.L.R : TC1231024000047143F
Report No. : HECSL/WT/096/280924
Sample ID No : 280924203
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
41	Nickel	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	NA
42	Selenium	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.01
43	Zinc	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	15

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 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Sappadi Lake

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

U.L.R : TC1231024000047143F

Report No. : HECS1/WT/096/280924

Sample ID No : 280924203

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
Discipline : Chemical					
1	Ammonia as NH ₃	mg/l	BLQ(LOQ:0.02)	IS 3025 Part 34 Sec 2: 2021	NA
2	Bi carbonate	mg/l	100.0	IS 3025 Part 53: 2001	NA
3	Biological Oxygen Demand (BOD) ₅ 27°C For 3 days	mg/l	4.0	IS 3025 Part 44: 1993	2
4	Boron as B	mg/l	BLQ(LOQ:0.1)	IS 3025 Part 57: 2021 (Curcumin Method)	NA
5	Calcium as Ca	mg/l	20.04	IS 3025 Part 40: 1993(EDTA Titrimetric Method)	80.10
6	Chemical Oxygen Demand (COD)	mg/l	24.0	IS 3025 Part 58: 2006	NA
7	Chloride as Cl	mg/l	48.9	IS 3025 Part 32: 1988 (Argentometric Method)	250
8	Colour	Hazen units	BLQ(LOQ:1.0)	IS 3025 Part 4: 2021	10
9	Dissolved oxygen	mg/l	6.0	IS 3025 Part 38: 1989	6
10	Electrical Conductivity at 25°C	µS/cm	360.0	IS:3025 Part 14: 2013	NA
11	Fluoride as F	mg/l	0.41	APHA 23rd edition Method 4500 F -B,D: 2017	1.5
12	Iron as Fe	mg/l	0.074	IS 3025 Part 53: 2003	0.3
13	Nitrate as NO ₃	mg/l	3.48	APHA 23rd edition Method 4500 NO ₃ B: 2017	20



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Page : 2 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Sappadi Lake

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part -1):2021

ULR : TC1231024000047143F

Report No. : HECSL/WT/096/280924

Sample ID No : 280924203

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
14	pH at 25°C	-	7.61	IS 3025 Part 11: 2022 (Electrometric Method)	8.5
15	Total dissolved solids	mg/l	196.0	IS 3025 Part 16: 1984	500
16	Anionic Surface Active agents as MBAS	mg/l	BLQ(LOQ:0.05)	APHA 23rd edition Method 5540 B, C: 2017	0.2
17	Carbonate	mg/l	BLQ(LOQ:1.0)	IS 3025 Part 51: 2001	NA
18	Cyanide as CN	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 27 sec 1: 2021	0.05
19	Magnesium as Mg	mg/l	7.29	IS 3025 Part 46: 1994 (Volumetric Method using EDTA)	24.28
20	Percent Sodium	%	45.71	HECSG /WT/SOP/002 Issue No:01, Issue date 18.12: 2021	NA
21	Phenolic compounds as C6H5OH	mg/l	BLQ(LOQ:0.001)	IS 3025 Part 43:Sec 1: 2022	0.002
22	Phosphate as PO4	mg/l	0.16	APHA 23rd edition Method 4500-P B,D: 2017	NA
23	Potassium as K	mg/l	2.0	IS 3025 Part 45: 1993	NA
24	Residual Sodium Carbonate	mg/l	BLQ(LOQ:1.0)	IS 11624: 2019	NA
25	Sodium Adsorption Ratio(SAR)	Square root of (millimole/lit)	1.51	IS 11624: 2019	NA

D.Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.
Ph: 42985555 / 43635555 Fax : 42985500
E-mail : labsales@hecs.in



Laboratory Services Division

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



TEST REPORT

Page : 3 of 4

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Water

Sample Name : Surface Water

Sample Mark : Sappadi Lake

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0

Sampling Method & Plan : IS 17614(Part-1):2021

ULR : TC 1231024000047143F

Report No. : HECSL/WT/096/280924

Sample ID No : 280924203

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 05/10/2024

Report Date : 05/10/2024

Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method	Surface water Standards (IS 2296 Class-A)
26	Sodium as Na	mg/l	25.0	IS 3025 Part 45: 1983	NA
27	Sulphate as SO ₄	mg/l	10.37	IS 3025 Part 24 Sec 1: 2022	400
28	Total alkalinity as CaCO ₃	mg/l	100.0	IS 3025 Part 23: 1986	NA
29	Total Hardness as CaCO ₃	mg/l	80.0	IS 3025 Part 21: 2009	300
30	Total Phosphorous as P	mg/l	0.048	IS 3025 Part 31 Sec 1: 2022	NA
31	Total Suspended Solids	mg/l	9.0	IS 3025 Part 17: 1984	NA
32	Turbidity	NTU	0.7	IS 3025 Part 10: 1984	1
33	Arsenic	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.05
34	Barium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1
35	Cadmium	mg/l	BLQ (LOQ: 0.001)	USEPA 200.8 : 1994	0.003
36	Chromium	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.05
37	Copper	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	1.5
38	Lead	mg/l	BLQ (LOQ: 0.005)	USEPA 200.8 : 1994	0.1
39	Manganese	mg/l	BLQ (LOQ: 0.01)	USEPA 200.8 : 1994	0.5
40	Mercury	mg/l	BLQ (LOQ: 0.0005)	USEPA 200.8 : 1994	0.001



D. Anusuya
Lab Manager
Authorized Signatory

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E-mail : labsales@hecs.in

Laboratory Services Division

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

TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT
Address of the Client : Marudhandapalli
Group : Water
Sample Name : Surface Water
Sample Mark : Sappadi Lake
Sample Reference : NA
Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.
Sample Location : NA
Environmental Condition : Temperature (°C) : 28.0 | Humidity (%) : 51.0
Sampling Method & Plan : IS 17614(Part -1):2021

Report No. : HECSL/WT/096/280924/N
Sample ID No : 280924203
Sampling Date : 28/09/2024
Received Date : 28/09/2024
Commenced Date : 28/09/2024
Completed On : 05/10/2024
Report Date : 05/10/2024
Sample quantity : 1 Litres

S.No.	Test Parameters	Units	Results	Test Method
Discipline : Chemical				
1	Hexavalent Chromium	mg/l	BLQ(LOQ:0.01)	IS 3025 Part 52: 2003

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



D. Anusuya
Lab Manager
Authorized Signatory

Hubert Enviro Care Systems (P) Ltd.

A-21, III Phase, Thiru Vi Ka Industrial Estate,
Guindy, Chennai - 600 032.

Ph: 42985555 / 43635555 Fax : 42985500

E-mail : labsales@hecs.in



TC-12210

Laboratory Services Division

(Chemical & Biological Testing)
Recognized by CPCB (MoEF & CC)
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ISO 9001, 14001 & 45001 Certified.



TEST REPORT

Page : 1 of 1

Name of the Client : M/s. SIPCOT

Address of the Client : Marudhandapalli

Group : Atmospheric Pollution

Sample Name : Ambient Noise Levels (Excluding vibration) (Env)

Sample Mark : Noise

Sample Reference : NA

Sample Drawn By : M/s. Hubert Enviro care Systems (P) Ltd.

Sample Location : NA

Environmental Condition : Temperature (°C) : 32.0 | Humidity (%) : 56.0

Sampling Method & Plan : IS 9989:1981

ULR : TC1231024000046561F

Report No. : HECS/AP/071/280924

Sample ID No : 280924198

Sampling Date : 28/09/2024

Received Date : 28/09/2024

Commenced Date : 28/09/2024

Completed On : 03/10/2024

Report Date : 03/10/2024

Sample quantity : NA

S.No	Sampling Location	Day Noise level in dB (A)	Night Noise level in dB (A)
1	Project Site	52.5	42.4
2	Maradanapalli	53.6	43.2
3	Chappadi	53.4	42.8
4	Shoolagiri	54.1	43.6
5	Gundugurki	53.5	42.8

Noise Standards - CPCB:

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



D. Anusuya
Lab Manager
Authorized Signatory

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05 DHARMAPURI

and arrested him. On Friday, Additional District Judge V. Padmanabhan sentenced him to life imprisonment and issued a penalty of ₹3,000.

Land all

COIMBATORE: Municipal Court resolution of all cents to renowned er-cum-poet Sirj maniam (88). The lotted at Kuppam Pollachi Town. The state govern her allotted land



TK Ramachandran, chairperson of VOC Port Authority | EXPRESS

'Connectivity to major ports in Tamil Nadu are being improved'

Chennai: Road and rail connectivity is being improved at TN's three major ports - Chennai Port, Kamarajar Port, Ennore and VOC Port, Thoothukudi, officials said on Friday. Speaking at the Maritime Public Private partnership conclave, TK Ramachandran, Chairperson of VOC Port Authority said a rail line connecting Madurai and

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LIMITED
19-A, NUKKAS LAKSHMIPATHY ROAD - EGMORE, CHENNAI - 600 006

CIN U74999TN19715GC005967

Date : 21.07.2022

SIPCOT INDUSTRIAL PARK ENVIRONMENTAL CLEARANCE

Environmental Clearance has been obtained for the proposed development of SIPCOT Industrial Park at Marudhandapalli and Nallaganakothapalli Villages of Shoolagiri Taluk, Krishnagiri District, Tamil Nadu from the State Environment Impact Assessment Authority (SEIAA), Tamil Nadu vide Letter No.: SEIAA-TN/F.5764/EC/8(a)/851/2022 dated 01.07.2022.

The Environmental Clearance (EC) letter can be downloaded from SIPCOT website www.sipcot.in.gov.in. The Clearance Letter is available with the State Pollution Control Board and also in the website of SEIAA, TN. Further, copy of the EC shall be obtained from the Head Office/Project Office of SIPCOT.

DISP/TS1/DISPLAY/2022

MANAGING DIRECTOR

STATE OF TAMIL NADU
NATIONAL CENTRE FOR ADVANCED STUDIES IN RURAL DEVELOPMENT
An Autonomous Institute
Ministry of Rural Development
MCCS Complex, S. P. Road and Panchayati
Raj, Coimbatore - 641 005
Website: www.ncaedr.org

ADVANCED STUDIES IN RURAL DEVELOPMENT
period of one year
to be extendable
the project period
from the interested

For detailed advertisement
& last date for receipt of
applications in careers (Under
the project period)

No. of Positions
0

CITY UNION BANK LIMITED
Credit Recovery and Management Department
Administrative Office : No. 24-B, Gandhi Nagar,
Kumbakonam - 612 001. E-Mail id : comd@cityunionbank.in,
Ph : 0435-2432322, Fax : 0435-2431746

RE-TENDER-CUM-AUCTION SALE NOTICE UNDER SARFAESI ACT 2002

The following properties mortgaged to City Union Bank Limited will be sold in Re-Tender-cum-Public Auction by the Authorized Officer of the Bank, under Rule 6 (b) & 9 of the Security Interest (Enforcement) Rules, 2002, under the SARFAESI Act, 2002, for recovery of a sum of Rs. 1,54,87,875/- (Rupees One Crore Sixty Four Lakh Eighty Seven Thousand Eight Hundred and Seventy Five only) as on 20-08-2021 together with further interest to be charged from 21-08-2021 onwards and other expenses, say other dues to the Bank by the borrowers / guarantors No.1) Mr. Sri Angalaparameshwariaraganesan, SF No.127, 128, Attar Main Road, Koneripatti Post, Rasipuram - 637403. No.2) Mrs. Jayanthi, Who. Jayaraman, No.65/1, Koneripatti Post, Rasipuram - 637403. No.3) Mr. Jayaraman, S/o. Angamuthi, No.65/1, Koneripatti Post, Rasipuram - 637403. No.4) Mr. J. Senthil Kumar, S/o. Jayaraman, No.65/1, Koneripatti Post, Rasipuram - 637403.



SIPCOT

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

Date: 27.08.2022

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.

/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 MANAGER (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



SIPCOT

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 –
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Phone : 45261777, Fax : 45261796 Website : www.sipcot.tn.gov.in

प्राप्ति स्वीकृति (रसीद) ACKNOWLEDGEMENT

Projects - 1 / Maru thande palli / Ecy /
 एक रजिस्ट्री पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ Ad - Forward 01/2020
 बीमा

Received a Registered Letter / Postcard / packet / Parcel
Insured

पाने वाले का नाम
 Addressed to (Name)

The Director
 Nungambakam
 Ch-6

बीमा का मूल्य (रुपयों में)
 Insured for Rupees

वितरण की तारीख / Date of delivery

अनावश्यक को काट दिया जाए।
 Score out the matter not required.

केवल बीमा वस्तुओं के लिए।
 For Insured articles only.



पाने वाले के हस्ताक्षर / Signature of addressee

कार. नं.-54

प. नं.-54

प्रेषक का नाम
को नाम मोहर
Name stamp of
office of posting

भारतीय डाक विभाग
DEPARTMENT OF POSTS, INDIA



छापी-मोहर

Date-Stamp

भेजने वाले
का पता
Sender's
Address

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of TamilNadu Undertaking) P.B. No. 7223

19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE, CHENNAI.

पिन/PIN

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MGPCBE

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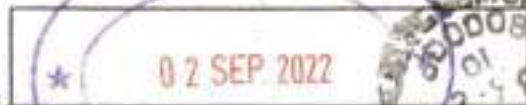
30/8/22

भारतीय डाक विभाग

DEPARTMENT OF POSTS, INDIA



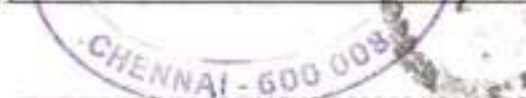
प्रेषक डाकघर
की नाम मीहर
Name stamp of
office of posting



तारीख-मीहर



Date-Stamp



भेजने वाले
का पता
Sender's
Address

STATE INDUSTRIES PROMOTION CORPORATION OF TAMIL NADU LTD.

(A Govt. of TamilNadu Undertaking) P.B. No. 7223

19-A, RUKMANI LAKSHMIPATHY ROAD, EGMORE, CHENNAI.

पिन/PIN

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MOIPCBE

प्राप्ति स्वीकृति (रसीद) ACKNOWLEDGEMENT

Project-1 / Meru the end path /
 एक रजिस्ट्री बीमा पत्र / पोस्टकार्ड / पैकेट / पार्सल प्राप्त हुआ EC / Ad - Forward
 02/2022

Received a Registered Letter / Postcard / packet / Parcel
Insured

पाने वाले का नाम
 Addressed to (Name)

The Member Secretary
 Saini depati
 Ch - 10

बीमा का मूल्य (रुपयों में)
 Insured for Rupees

वितरण की तारीख / Date of delivery 20

अनावश्यक को काट दिया जाए।
 Score out the matter not required.

केवल बीमा वस्तुओं के लिए।
 For Insured articles only.



पाने वाले के हस्ताक्षर / Signature of addressee

SIPCOT - State Industries Promotion

https://sipcotweb.tn.gov.in/Environment_clearance

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34	Virudhunagar	Virudhunagar	Download
35	Nedumpuli	Ranipet	Download
36	A. Sathanur	Kallakurichi	Download
37	Vaniyamallee	Thiruvallur	Download
38	Varapatti	Coimbatore	Download
39	Dharmapuri	Dharmapuri	Download

ENCLAVE: None

SIPCOT
Govt. of Tamil Nadu

Newsletter Mandatories Map

31°C
PM 3:30

Search

12:11 PM
11/11/2024



சுருக்கம்

தொழில் துறை -2021-2022 -ஆம் ஆண்டு திருத்த வரவு செலவு திட்ட அறிக்கை -
ஓசூரில் 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,

திருவள்ளூர் 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

பெறுநர்:

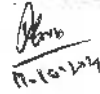
மேலாண்மை இயக்குநர்,
சிப்காட்,
19-ஏ, ருக்மணி லட்சுமிபதி சாலை,
எழும்பூர், சென்னை-600 008.

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


11-10-2024

SIPCOT – MARUDHANDAPALLI MONITORING PHOTOS

AMBIENT AIR QUALITY MONITORING PHOTOS:



Near Project area



Maradanapalli



Shoolagiri



Chappadi



Gundugurki

Ground water sampling photos



Project area



Maradanapalli



Chappadi

Surface water sampling photograph



Lake near Project site



Chappadi Lake

Soil sampling photograph



Project area



Maradanapalli



Shoolagiri



Chappadi



Gundugurki

Noise monitoring photograph



Project area



Maradanapalli



Shoolagiri



Chappadi



Gundukurgi

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http://sipcotweb.tn.gov.in/Compliance_Report

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SIPCOT

I/173594/2024

Date: 26-09-2024

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 2024 - 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 2024.

Yours faithfully,


ASSISTANT GENERAL MANAGER (P-VI)

Encl: As above.



State Industries Promotion Corporation of Tamil Nadu Limited

(A Government of Tamil Nadu Undertaking)

CIN : U74999TN1971SGC005967

Regd. Office : 19-A, Rukmani Lakshmiipathy Road, Post Box No.7223, Egmore, Chennai - 600 008.

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