



STATE INDUSTRIES PROMOTION CORPORATION OF TAMILNADU LIMITED

ENVIRONMENT POLICY

PREAMBLE

SIPCOT has established 21 Industrial Complexes / Parks / Growth Centres besides 7 SEZs within these Industrial Parks. SIPCOT is also in the process of establishing eight new Industrial Parks besides other ongoing Land Acquisition schemes.

As per the EIA notification, 2006 of MoEF&CC, SIPCOT obtained Environmental Clearance for 8 Industrial Complexes / Parks; also, SIPCOT is in the process of obtaining Environmental Clearance for the upcoming Industrial Complexes/ Parks/ Growth Centers. As per the condition stipulated in the Environmental Clearance, the Company shall have a well laid down Environment Policy approved by the Board of Directors.

1. OBJECTIVE OF ENVIRONMENT POLICY

- 1.1 The key objective of the SIPCOT Environment Policy is to attract Industrial Investment, Employment Generation, and Creation of Industrial Infrastructure across Tamil Nadu by ensuring a balance between development and environment.
- 1.2 The present policy is formulated with the following objectives:
 - 1.2.1 To continuously improve the environmental status of the Industrial Complexes / Parks / Growth Centers / SEZs through the implementation of sustainable environmental practices.
 - 1.2.2 To obtain all statutory clearances and approvals and to follow the conditions stipulated by the regulatory authorities.
 - 1.2.3 To improve social infrastructure and environmental conditions in and around the project site by earmarking separate fund for carrying out the implementation works.

- 1.2.4 To form an exclusive Environmental Management Cell to implement and review the progress of environmental safeguard measures.
- 1.2.5 To encourage allottee units to adopt efficient and effective environmental management and monitoring systems.

2. STRATEGIES AND ACTION PLANS

2.1 Regulatory Approach:

- 2.1.1 In accordance with the EIA Notification, 2006, SIPCOT has obtained prior Environmental Clearance for the Industrial Complexes / Parks established after the year 2006.
- 2.1.2 For the proposed Industrial Complexes / Parks / Growth Centres / SEZ, SIPCOT shall obtain Environmental Clearance / CRZ Clearance as per EIA / CRZ notification. All necessary approvals/clearance shall be obtained from the competent authority as stipulated in Environmental Clearance conditions, and the same shall be complied as per the standards and norms stipulated by MoEF&CC/SEIAA.
- 2.1.3 As per the norms and conditions of EC, SIPCOT shall obtain Consent to Establish (CTE) / Consent to Operate (CTO) for the Industrial Complexes/ Parks/ Growth Centers from Tamil Nadu Pollution Control Board.

2.2 Compliance to Regulatory Conditions:

- 2.2.1 SIPCOT shall comply with the following conditions stipulated in the Environmental Clearance:
 - a) Submission of Half Yearly compliance report including the results of monitoring data to the SEIAA / MoEF / CPCB Zonal office / TNPCB in Hard and Soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.

b) Environmental Statement for each financial year ending 31st March in Form – V as mandated by TNPCB shall be submitted as prescribed under Environment (Protection) Rules, 1986 and amended subsequently. The same shall be made available in the website of SIPCOT along with the status of compliance of EC conditions and shall also be sent to the respective regulatory authority.

c) Monitoring ambient air, water, and noise quality during the operation phase, including criteria pollutant levels or critical sectoral parameters, indicated if any, for the project.

2.3 Corporate Environmental Responsibility (CER):

2.3.1 As per the Office Memorandum dated 1st May 2018 from MoEF&CC, GOI (F.No.22-65/2017-IA.III), the fund allocation for the Corporate Environment Responsibility (CER) shall be in addition to the cost envisaged for the implementation of the EIA/EMP which includes the measures for the pollution control, environmental protection measures including the NPV and Compensatory Afforestation, required, if any, and any other activities, to be derived as part of the EIA process subject to the maximum percentage as prescribed below for different cases:

Table - 1: CER Cost for Implementation of Projects

Sl.No.	Capital Investment / Additional Capital Investment (in Rs.)	Greenfield Project - % of Capital Investment	Brownfield Project - % of Additional Capital Investment
I	II	III	IV
1.	<= 100 Crores	2.0%	1.0%
2.	> 100 Crores to <= 500 Crores	1.5%	0.75%
3.	> 500 Crores to <= 1000 Crores	1.0%	0.50%
	> 1000 Crores to <= 10000 Crores	0.5%	0.25%
4.	> 10000 Crores	0.25%	0.125%

- 2.3.2 Greenfield projects are the projects which are not following a prior work i.e., the projects on the unused lands where there is no need to remodel or demolish an existing structure. Brownfield projects are the projects which are modified or upgraded.
- 2.3.3 The activities proposed under CER shall be worked out based on the issues raised during the public hearing, social need assessment, R&R plan, Environmental Management Plan, etc.
- 2.3.4 Some of the activities which can be carried out in CER are infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase the yield of crop and fodder, rainwater harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc.
- 2.3.5 A separate fund may be earmarked for implementing Environmental Protection Measures, in respect of the projects for which EC has been obtained after the CER notification dated 01.05.2018, the cost of the project shall include CER provisions for the specified percentage depending upon the investment amount. The fund shall be utilized for the purpose of allocation of Green initiatives and CER activities.
- 2.3.6 The entire activities proposed under the CER shall be treated as SIPCOT Social & Environmental Initiative and shall be monitored periodically. The monitoring report shall be submitted to the regional office as a part of the half-yearly compliance report.

2.4 Environmental Management Cell:

- 2.4.1 As per the Condition stipulated in the Environmental Clearance; the Company shall have an Environmental Management Cell consists of 7 team members to implement the Environmental Management Plan.

2.4.2 SIPCOT Environmental Management Cell may 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.

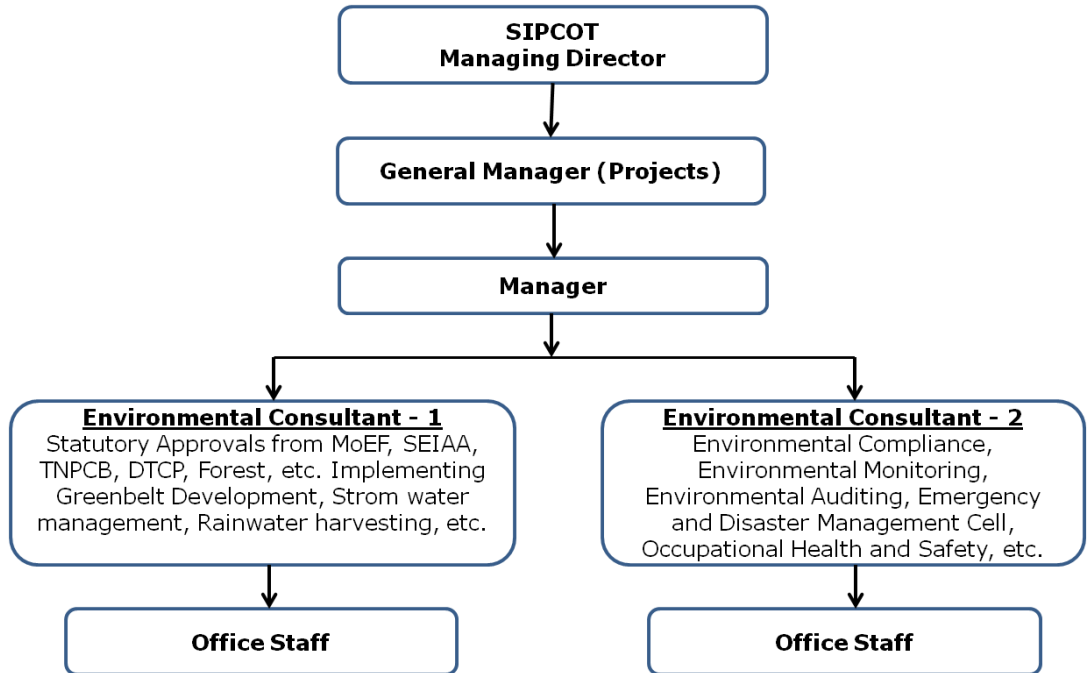


Figure – 1: Environmental Management Cell

2.4.3 The Environmental Management Cell shall obtain all applicable statutory clearances and approvals as mandated by the regulatory authorities and maintain the Industrial Complexes/ Parks/ Growth Centers in compliance with all applicable rules and regulations. The team shall address various queries received from statutory authorities on the environmental front related to SIPCOT projects.

2.5 Other Environmental Safeguard Action Plans:

2.5.1 SIPCOT land-use policy would accord priority to the protection and preservation of vulnerable ecosystems, including protected forests, bio-reserves, wetlands, coastal ecosystems.

- 2.5.2 Appropriate locating of industries (depending on the category of industry) and environmental safeguards will be built into the planning and management of these industrial corridors and nodes.
- 2.5.3 Encouraging the industrial units to install Continuous and Emission Monitoring Systems in collaboration with TNPCB.
- 2.5.4 SIPCOT shall develop greenery around its boundary wall of the acquired land, maintain and recommend the individual units to allocate 33% of green area as per EIA notification.
- 2.5.5 SIPCOT shall stipulate specific conditions in the Allotment Order / Lease Deed to comply with the Environmental Clearance conditions by a suitable undertaking from the allottees.

3. ENVIRONMENTAL INITIATIVES BY SIPCOT

- 3.1 SIPCOT insists the industrial units to adopt Zero Liquid Discharge (ZLD) concept.
- 3.2 Rainwater harvesting systems be implemented in SIPCOT industrial parks to further increase groundwater table.
- 3.3 SIPCOT initiate a mission-mode program to clean and rejuvenate the existing water bodies, within and around (1 km radius) SIPCOT Industrial Areas.
- 3.4 Revamping of damaged roads, drainages, and storage structures in SIPCOT Industrial Complexes/ Parks/ Growth Centers.
- 3.5 SIPCOT initiate the process of closing the unauthorized bore wells located within the industrial area in view of limiting the groundwater extraction and mandating the industrial units to use treated water.

4. ENVIRONMENTAL AWARENESS, AWARDS AND TRAINING PROGRAMS

- 4.1 SIPCOT plans to conduct environmental awareness and training programmes for the allottee units along with TNPCB, Integrated Waste Management Association, and other government bodies.
- 4.2 SIPCOT may conduct training program for SIPCOT employees in:
- a) Understanding of Environmental Laws.
 - b) Updating knowledge on environmental rules and its subsequent amendments.
 - c) Protocol for conducting environmental monitoring within the industrial units.
 - d) Environmental Health and Safety management system.
- 4.3 SIPCOT also has plans to issue Green Awards to the Industries, to encourage green initiatives and to maintain sustainability in their industrial premises.

5. ENCOURAGING INDUSTRIES TOWARDS GREEN INITIATIVES

- 5.1 In order to promote Green Initiatives, SIPCOT 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.
- 5.2 SIPCOT also encourages industries to reduce the use of one time use plastics, Styrofoam, and other plastic material during the packing and delivery of goods. SIPCOT encourages allottees to maintain the biodiversity nature of their nativity.
- 5.3 SIPCOT plans to gradually implement Energy Conservation measures such as the installation of LED for lighting the roads, common areas and to utilize solar energy wherever possible.

6. ENVIRONMENTAL REGULATORY UPDATING AND DOCUMENTATION

The Environmental Management Cell will review, implement, update, and comply with the Environment Policy to ensure the effective implementation of environmental safeguard measures. The team shall review the progress of regulatory compliance of SIPCOT and initiate necessary action for the compliance of the same. The team shall document the activities implemented under Corporate Environmental Responsibility through the line department of SIPCOT for periodical review and submission of the same to the regulatory authority.

7. POLICY REVIEW AND IMPLEMENTATION

7.1 The Environment Policy shall be implemented by improving the institutional arrangements and resources for the environmental improvement measures identified in the policy.

7.2 This policy has been drafted with current developments, information, and knowledge. The progress with respect to priorities, strategies, and actions addressing emerging environmental issues if any shall be submitted to the Board of SIPCOT for review periodically.

8. SUMMARY

8.1 SIPCOT shall obtain Consent to Establish (CTE) / Consent to Operate (CTO) for the Industrial Complexes/ Parks/ Growth Centers from Tamil Nadu Pollution Control Board, as per Sl. No. 2.1.3 supra.

8.2 SIPCOT shall submit Half Yearly Compliance Report along with the results of monitoring data and to submit Environmental Statement (Form-V) for each financial year ending 31st March to the respective regulatory authority and to upload the same in SIPCOT website, as per Sl. No. 2.2.1 (a) & (b) supra.

- 8.3 SIPCOT shall take necessary initiatives to monitor ambient air, water, and noise quality during the operation phase in respect of the Projects for which EC was obtained and the projects to be implemented in the future, as per Sl. No. 2.2.1 (c) supra.
- 8.4 SIPCOT shall allocate a separate fund for implementing Environmental Protection Measures, in respect of the projects for which EC has been obtained after the CER notification dated 01.05.2018, the cost of the project shall include CER provisions for the specified percentage depending upon the investment amount. The fund shall be utilized for the purpose of allocation of Green initiatives and CER activities, as per Sl. No. 2.3 supra.
- 8.5 SIPCOT shall approve the Environmental Management Cell consisting of 7 team members headed by SIPCOT Managing Director to enforce and implement the plan designed by the team, as per Sl. No. 2.4 supra.
- 8.6 SIPCOT shall develop greenery around its boundary wall of the acquired land, maintained, and recommends the individual units to allocate 33% of green area as per EIA notification, as per Sl. No. 2.5.4 supra.
- 8.7 SIPCOT shall conduct environmental awareness training programs for the industries and SIPCOT employees on an annual basis, as per Sl. No. 4.1 & 4.2 supra.
- 8.8 SIPCOT shall gradually implement Energy Conservation measures such as the installation of CFL/TFL for lighting the common area, to utilize solar energy wherever possible, as per Sl. No. 5.3 supra.