



**PUBLIC WORKS DEPARTMENT  
WATER RESOURCES DEPARTMENT**

**CITIZENS' CHARTER  
2015**

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**1.0. INTRODUCTION**

The Government is implementing Water Resources schemes to harness, impound and judiciously utilise all the water potential available in the State. The Government is according special thrust to increase the water use efficiency in various sectors such as irrigated agriculture, industrial and domestic use etc., The Water Resources Department of the Public Works Department is taking up construction, rehabilitation and maintenance of dams, reservoirs, anicuts, checkdams, canals and channel networks, tanks, ponds, artificial recharge structures etc.,

**1.1. Objectives of Water Resources Department**

Formulation and implementation of the major, medium and minor irrigation schemes and proper upkeep of all the dams in the State. This department also takes up operation and maintenance of irrigation systems to ensure effective management of available surface and groundwater potential. This department strives to achieve optimum utilisation of the water resources in a scientific manner for maximising the productivity of water across all sectors.

## **1.2. Status of Irrigation in Tamil Nadu**

Tamil Nadu has a geographical area of 130 lakh hectare. The net area sown in Tamil Nadu (2012-13) is about 45.44 lakh hectare. The net area irrigated is about 26.42 lakh hectare from sources as given below:

1. Canals	:	5.90 lakh hectare
2. Tanks	:	4.20 lakh hectare
3. Wells, Tube-wells etc.,	:	16.26 lakh hectare
4. Other sources	:	0.06 lakh hectare

## **2.0. ORGANISATION ARRANGEMENT**

The Engineer-in-Chief (Water Resources Department) and the Engineer-in-Chief (Buildings) are the two technical heads of the Public Works Department. The Chief Engineer (General) is in charge of establishment and administration of the Department. Presently, the Engineer-in-Chief, Water Resources Department is holding the post of Chief Engineer (General). The Water Resources Department of the Public Works Department is functioning on the River-Basin framework. The State has been divided into four Regions, viz., Chennai, Tiruchirappalli, Madurai and Coimbatore. Each Region is headed by a Chief Engineer, who acts as the Basin Manager of the river basins in their jurisdiction. In addition, there are six functional Chief Engineers and two Directors with specific specialised tasks for the formulation, implementation and management of the Water Resources Development Schemes, acquiring and disseminating ground

water and surface water potential data, operation and maintenance, research and studies and impart training as under:

- i. Plan Formulation.
- ii. Design, Research and Construction Support.
- iii. Operation and Maintenance.
- iv. State Ground and Surface Water Resources Data Centre.
- v. Institute for Water Studies.
- vi. Irrigation Management Training Institute.
- vii. State Water Resources Management Agency (SWaRMA).
- viii. Directorate of Boilers.

The functions of the Regional and functional Chief Engineers are as below:

#### **A. Functions of the Regional Chief Engineers**

- Overall incharge of all irrigation systems in the Region;
- Develop goals and objectives for the basins in the respective region, establish priority of the works and adequate quality control measures;
- Maintenance of irrigation structures and their appurtenances on priority basis;
- Implement adequate quality control measures in all works;
- Ensure sound environment, land acquisition and economic rehabilitation;
- Co-ordinate with farmers and farmers' organisation in implementation of new schemes.

## **B. Functions of the functional Chief Engineers**

1. Chief Engineer, WRD, Plan Formulation, Chennai – 600 005.

The Plan Formulation wing is responsible for formulation of new schemes by conducting necessary survey and investigation. Designs for all the components of the schemes, based on the field data are evolved by this Wing. The Detailed Project Report for the schemes is also prepared by this Wing. Apart from this, the proposals for rehabilitation measures of irrigation infrastructure, Extension, Renovation and Modernisation (ERM) schemes prepared by the Regional Chief Engineers are scrutinised by this Wing and recommended to the Government.
2. Chief Engineer, WRD, Design, Research and Construction Support, Chennai – 600 005.

The Institute of Hydraulics and Hydrology (IHH) at Poondi comes under this wing. This Institute is located at Poondi in Tiruvallur District. In this Institute, Model Studies of hydraulics, hydrology and coastal structures are carried out. Further, this Institute monitors shore line changes of Tamil Nadu

coast and evaluation of coastal protection works.

Watershed Management Board Division at Pollachi is engaged in undertaking sedimentation and watershed management studies in selected reservoirs of Tamil Nadu for arriving up-to-date reduction in storage capacity due to sedimentation.

In addition, this wing acted as nodal agency for the works implemented by the Department under Grants-in-aid programme of the 13<sup>th</sup> Finance Commission.

This wing also acts as the nodal agency for Water Resources Department under the Centrally shared "Repair, Renovation and Restoration" (RRR) of water bodies scheme.

3. Chief Engineer, WRD,  
Operation &  
Maintenance,  
Chennai- 600 005.

This wing primarily collects all the flow data particulars of the dams in the State and furnishes the Daily Water Report throughout the year. For this purpose, a Hydro Metric Data (HMD) Cell is functioning

round the clock throughout the year. This Cell functions with necessary additional staff by redeployment to collect the flood related data during the North East Monsoon period, i.e., October - December, every year.

The Dam Safety Directorate functioning under this wing, prepares the health status reports of all the dams in the State (both WRD and TANGEDCO Dams) and furnishes the annual consolidated report to the Central Water Commission, Government of India.

The Public Works Workshops and Stores is functioning under this wing. This Workshop is manufacturing, supplying, erecting, testing, commissioning and maintaining all the embedded parts, shutters and hoisting arrangements of the hydromechanical equipments for the dams in the State.

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|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>4. Chief Engineer, WRD,<br/>State Ground &amp;<br/>Surface Water Resources<br/>Data Centre,<br/>Taramani,<br/>Chennai - 600 113.</p> | <p>This Wing assesses the ground water potential and quality periodically all over the State. Further, maintenance of Full Climatic Stations, Aquifer Mapping and its Management and Strengthening of Ground Water Monitoring Network in the State are carried out.</p>      |
| <p>5. Chief Engineer &amp;<br/>Director, WRD,<br/>Institute for Water<br/>Studies,<br/>Taramani,<br/>Chennai - 600 113.</p>             | <p>The Institute for Water Studies was established with the objective to plan, assess and manage the water resources at micro level of all the River basins in Tamil Nadu. This Institute has a well developed Remote Sensing Centre in the State.</p>                       |
| <p>6. Chief Engineer &amp;<br/>Director, WRD,<br/>Irrigation Management<br/>Training Institute (IMTI)<br/>Tiruchirapalli - 620 015.</p> | <p>Conducts various training programmes to the officers and field officials on Irrigation Management, Ground Water Development &amp; Management and computer related subjects. Further, unique courses like Disaster Management, Coastal Hydrology and Prevention of sea</p> |



water intrusion, Dam Safety - Dam Instrumentation, etc., are also organised by this Institute. Various training programmes and study tours are also arranged by the Institute for the benefit of farmers.

7. Director,  
State Water Resources  
Management Agency  
(SWaRMA)  
Taramani,  
Chennai – 600 113.

This agency, advises the Government for planning water allocation, basin water development and efficient water management.

8. Directorate of Boilers,  
Chepauk,  
Chennai – 600 005.

The Directorate of Boilers is the enforcing authority of the Boilers Act, 1923, a Central Act administered by the State for the safe operation of the Boilers and to ensure the safety of public life and property. This Directorate plays an active role in the development of Boilers and Boiler Ancillary Industries in the State. This Directorate takes all steps to make the State a pioneer in the field of Boiler manufacturing, Foundries, Forge Shops, Tubes and Pipes manufacturing units, etc.,

The Directorate of Boilers is incharge of implementing the provisions of the Boiler Attendant's Rules, 2011 and Boiler Operation Engineer's Rules, 2011, to ensure that the Boilers used in the user industries are operated by certified Boiler Attendants or Boiler Operation Engineers, as the case may be.

### **C. List of officers for contact**

The list of officers for contact in the Chief Engineers' offices is appended in **Annexure I**. Further details on all irrigation related subjects may be obtained from the offices of the Chief Engineers of the Department.

## **3.0. SERVICES OF THE WATER RESOURCES DEPARTMENT**

### **3.1. Participatory Irrigation Management (PIM) Programme**

Tamil Nadu is also the pioneering States in promoting Participatory Irrigation Management. "The Tamil Nadu Farmers' Management of Irrigation Systems Act, 2000 (TN Act 7/2001)" was enacted and brought into force in the State with effect from 01.10.2002. This Act envisages constitution of Farmers' Organisations in the entire command area of all the irrigation systems under the management of Water Resources Department, as follows:

- a. "Water Users' Association"(WUA) at the Primary level consisting of all the water users.
- b. "Distributory Committee" at the secondary level.
- c. "Project Committee" at the project level

The Participatory Irrigation Management programme has encouraged the participation of the farmers in Irrigation Management and Operation & Maintenance of Irrigation systems and positive changes are taking place.

### **3.2. Participation of Farmers in Maintenance Works**

Irrigation systems are classified as major, medium and minor irrigation systems. Maintenance of systems mainly comprising of dams, canal network, system tanks are taken care of under system maintenance grant. All other irrigation systems comprising anicuts, non system tanks and rainfed tanks and minor diversion works are classified as non-system works and maintained by WRD under a separate lumpsum grant. Whenever there is a natural calamity, separate special fund is made available by the Government to meet out the expenditure on restoration of the damaged structures.

The Assistant Engineer / Junior Engineer incharge of a Section, after duly consulting the farmers, will decide the priority for taking up the maintenance works out of the budget provision allocated for such works. If the farmers themselves come forward to do the maintenance works which they need, the Assistant Engineer / Junior Engineer

will suggest them as to how to execute the work economically either with the help of machinery or with manpower. To protect the irrigation structures from damages during flood times, patrolling round the clock is arranged with the help of the public. The public, especially, farmers can render their co-operation in evicting the encroachments in water bodies.

### **3.3. Irrigated Agriculture Modernisation and WaterBodies Restoration and Management (IAMWARM) Project**

The Hon'ble Chief Minister of Tamil Nadu during the year 2005 initiated the TN IAMWARM Project with the aim to improve service delivery of irrigation system and to increase the productivity of irrigated agriculture with effective integrated water resources management in a Sub-basin framework with the financial assistance of World Bank and implemented by eight line departments.

This project taken up as an integrated project with an initial outlay of Rs.2,54,700 lakh was implemented in 61 sub basins to benefit an extent of 16.53 lakh acre with a revised outlay of Rs.2,82,093 lakh. Tank system modernisation by restoring and repairing water bodies and improving canal irrigation system through repair and rehabilitation were the primary activities implemented.

### **3.4. Weekly Water Shandy (Irrigation Assessment and Action Programme)**

The Irrigation Assessment and Action Programme is essentially based on the premise that, for the irrigation management to be effective, good rapport must be built up between the irrigation managers and the farmers with mutual trust and willingness to share the information available and take joint decisions. Hence, Weekly Water Shandy is being conducted by territorial Assistant Engineer / Junior Engineer to achieve this objective.

### **3.5. The Tamil Nadu Protection of Tanks and Eviction of Encroachments Act, 2007**

It has become imperative to protect the water bodies from encroachments and disuse. The tanks and their components, if not protected and restored to their original capacity, may cause reduction in area of cultivation and thereby reduction in food grains production, depletion of groundwater and environmental degradation. In order to protect the tanks in the State, awareness is being created among the general public especially at village level on the need to keep the tanks in original shape through hand bills, wall posters, print media and "tom-tom". Works such as delineation of tank boundaries, eviction of encroachments and planting of RCC poles along the tank boundaries are being executed for preventing encroachments.

### **3.6. Information Centres**

Information centres are operational in the Offices of the Executive Engineer, Superintending Engineer and Chief Engineer. Petitions are received with necessary acknowledgement. The action taken on the grievances are promptly informed to the public immediately.

### **4.0. REGISTRATION OF CONTRACTORS**

Registration of contractors in appropriate class for executing works on contract in WRD are done by the Superintending Engineer / Executive Engineer.

### **5.0. AWARDING WORKS TO CONTRACTORS**

#### **5.1. The Tamil Nadu Transparency in Tenders Act, 1998**

The Tamil Nadu Transparency in Tenders Act, 1998 was enacted by the Legislative Assembly of Tamil Nadu as Act No 43 of 1998 and came into force with effect from 11.12.1998. This Act provides for transparency in the Public procurement and regulates the procedure in inviting and accepting tenders and matters concerned therewith or incidental there to: **This Act aims to:**

- a) Maximise economy and efficiency in Government procurement.
- b) Foster and encourage effective participation by tenderers in the process of tenders.
- c) Promote healthy competition among tenderers.
- d) Provide for fair and equitable treatment of all tenderers, and

e) Promote the integrity of the process of tenders and to promote fairness and public confidence in the processing of tenders by ensuring transparency in the procedure relating to procurement.

## **5.2. E-Tendering**

Electronic supply of tender documents at free of cost in respect of open tenders for works exceeding Rs.10 lakh, has been introduced in Tamil Nadu from 01.07.2007.

## **6.0. DRAWAL OF WATER FROM GOVERNMENT SOURCES**

### **6.1. Procedure for Drawal of Water**

The Government accords permission for drawal of water for Industrial purpose in consultation with Revenue Department, subject to clearance from Tamil Nadu Pollution Control Board. To draw water of 1 mgd and above from the Government sources for industrial or other uses, approval of Water Utilisation Committee is essential.

## **7.0. QUARRYING OF SAND**

Public Works Department is engaged in sand quarrying from 03.10.2003. At present, the sand is sold at the rate of Rs.800 per lorry load (2 units). In order to maintain the uninterrupted supply of sand for all Construction Industry, necessary steps have been taken to find out the new quarries and getting environmental clearance from State Environmental Impact Assessment Authority (SEIAA).

## **8.0. RIGHT TO INFORMATION ACT, 2005**

To provide information as ordered in the RTI Act, 2005 Public Information Officers and Appellate authority are available in all the Chief Engineers office.

**O. PANNEERSELVAM**  
**MINISTER FOR FINANCE AND PUBLIC WORKS**



## ANNEXURE I

### LIST OF OFFICERS FOR CONTACT IN CHIEF ENGINEER'S OFFICES

Sl. No.	NAME OF OFFICE	OFFICER FOR CONTACT
1.	ENGINEER -IN-CHIEF, W.R.D. & CHIEF ENGINEER (GENERAL), P.W.D., CHEPAUK, CHENNAI - 600 005. 044 - 2852 5351	1. JOINT CHIEF ENGINEER [GENERAL] 044 - 2859 4145 2. JOINT CHIEF ENGINEER [IRRIGATION] 044 - 2859 4144
2.	CHIEF ENGINEER, W.R.D., CHENNAI REGION, CHEPAUK, CHENNAI - 600 005. 044 - 2852 3007	DEPUTY CHIEF ENGINEER CHENNAI REGION 044 - 2852 3007
3.	CHIEF ENGINEER, W.R.D., TRICHY REGION, PUDUKOTTAI ROAD, P.B.No.803, SUBRAMANIAPURAM, TIRUCHIRAPPALLI - 620 020. 0431 - 2332287	DEPUTY CHIEF ENGINEER TRICHY REGION 0431 - 2332287

<b>Sl. No.</b>	<b>NAME OF OFFICE</b>	<b>OFFICER FOR CONTACT</b>
4.	CHIEF ENGINEER, W.R.D., COIMBATORE REGION, COIMBATORE – 641 001. 0422 – 2381804	DEPUTY CHIEF ENGINEER COIMBATORE REGION 0422 – 2381803
5.	CHIEF ENGINEER, W.R.D., MADURAI REGION, THALLAKULAM, MADURAI – 625 002. 0452 – 2530326	DEPUTY CHIEF ENGINEER MADURAI REGION 0452 – 2530326
6.	CHIEF ENGINEER, W.R.D., PLAN FORMULATION, CHEPAUK, CHENNAI – 600 005. 044 – 2852 5662	JOINT CHIEF ENGINEER (PLAN FORMULATION) 044 – 2852 5662
7.	CHIEF ENGINEER, W.R.D., DESIGN, RESEARCH AND CONSTRUCTION SUPPORT, CHEPAUK, CHENNAI – 600 005. 044 – 2841 3381	JOINT CHIEF ENGINEER (DESIGN, RESEARCH AND CONSTRUCTION SUPPORT) 044 – 2841 3381
8.	CHIEF ENGINEER, W.R.D., OPERATION & MAINTENANCE, CHEPAUK, CHENNAI – 600 005. 044 – 2851 7261	JOINT CHIEF ENGINEER (OPERATION & MAINTENANCE) 044 – 2841 5552

<b>Sl. No.</b>	<b>NAME OF OFFICE</b>	<b>OFFICER FOR CONTACT</b>
9.	CHIEF ENGINEER, W.R.D., STATE GROUND & SURFACE WATER RESOURCES DATA CENTRE, THARAMANI, CHENNAI – 600 113. 044-22541526	JOINT CHIEF ENGINEER (STATE GROUND & SURFACE WATER RESOURCES DATA CENTRE) 044 – 2254 1369
10.	CHIEF ENGINEER & DIRECTOR,W.R.D., INSTITUTE FOR WATER STUDIES, TARAMANI, CHENNAI – 600 113. 044 – 2254 2380	JOINT DIRECTOR (INSTITUTE FOR WATER STUDIES) 044 – 2254 2674
11.	CHIEF ENGINEER & DIRECTOR,W.R.D., IRRIGATION MANAGEMENT TRAINING INSTITUTE, THUVAKUDI, TIRUCHIRAPPALLI – 620 015. 0431 – 2500500	JOINT DIRECTOR (IRRIGATION MANAGEMENT TRAINING INSTITUTE) 0431 – 2500603
12.	DIRECTOR, STATE WATER RESOURCES MANAGEMENT AGENCY (SWARMA) TARAMANI, CHENNAI-600 113. 044 – 2254 0135	EXECUTIVE ENGINEER, STATE WATER RESOURCES MANAGEMENT AGENCY (SWARMA) 044 – 2254 0135

<b>Sl. No.</b>	<b>NAME OF OFFICE</b>	<b>OFFICER FOR CONTACT</b>
13.	DIRECTOR OF BOILERS, DIRECTORATE OF BOILERS CHEPAUK, CHENNAI – 600 005. 044 – 2852 2233	DEPUTY DIRECTOR OF BOILERS, CHEPAUK, CHENNAI – 600 005. 044 – 2852 2233