

PUBLIC WORKS DEPARTMENT WATER RESOURCES DEPARTMENT

CITIZENS' CHARTER 2019

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CITIZENS' CHARTER

1.0. Important schemes / Functions of Water Resources Department

- Kudimaramath scheme
- Supply of Vandal removed from the water bodies to the public, potters and farmers at free of cost
- Athikadavu Avinashi Scheme
- Construction of Barrage across Kollidam River in Adhanur Kumaramangalam Villages in Cuddalore and Nagapattinam Districts
- Inter-linking of Thamiraparani-Karumeniyar-Nambiyar rivers
- Krishna Water Supply Project
- Desilting of Dams and Water Bodies
- Creation of new irrigation infrastructure and Rehabilitation of existing systems with State Funds and NABARD assistance
- Externally Aided Projects
 - i. World Bank assisted Dam Rehabilitation and Improvement Project (DRIP).
 - ii. Asian Development Bank (ADB) assisted Climate Change Adaptation Programme in Cauvery Delta.
 - iii. World Bank assisted Tamil Nadu Irrigated Agriculture. Modernisation Project (TNIAMP).
 - iv. World Bank Assisted National Hydrology Project (NHP).
- Centrally sponsored and shared scheme.
 - i. National Agriculture Development Programme (NADP).
 - ii. Repair, Renovation and Restoration (RRR) of water bodies directly linked to agriculture.
- Inter-linking of rivers within the State.

1.1. Tamil Nadu Water Resources Potential

- There are 34 rivers in the State which have been grouped into 17 major river basins and 127 sub-basins. The normal rainfall of the State is 911.60 mm. The total surface water potential of the State is 885 T.M.C. ft. which includes 249 T.M.C. ft. received from the neighbouring States through Inter-State Agreements.
- Based on the Micro level Ground Water Potential Assessment with Revenue Firka as a Unit, out of the total 1,139 Firkas in the State, 358 Firkas are categorised as Over-Exploited, 105 as Critical, 212 as Semi-Critical, 35 Firkas as Saline and 429 Firkas as Safe. The quantity and quality of the ground water are being continuously monitored and assessed by the Department.

2.0. Organisational Arrangement

- The Engineer-in-Chief, Water Resources Department and the Engineer-in-Chief, Buildings are functioning as the two Technical heads of the Public Works Department.
- The Chief Engineer (General) performs the establishment and administrative works of the Department. At present, the Engineer-in-Chief, Water Resources Department is holding the post of the Chief Engineer (General).
- The Water Resources Department is functioning on River Basin frame work comprising 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, 7 Chief Engineers are taking up specialised functions.

2.1. Functions of the Chief Engineers

2.1.1 Regional Chief Engineers

- Overall in-charge of all irrigation systems in the Region;
- Achieve goals and objectives for the River Basins, establish priority of the works and follow 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 for irrigation schemes and economic rehabilitation;
- Co-ordinate with farmers and farmers' organizations in implementation of new schemes.
- Regulation of water for irrigation and drinking water needs and Flood control measures.
- Coastal protection measures.

2.1.2. Chief Engineer, Plan Formulation

- Formulation of new schemes by conducting necessary survey and investigation.
- Preparation of Detailed Project Reports for the schemes.
- Implementation of Special Schemes viz., Athikadavu Avinasi Scheme and Construction of Barrage across Kollidam River in Adhanur Kumaramangalam Villages in Cuddalore and Nagapattinam Districts.

2.1.3. Chief Engineer, Design, Research and Construction Support

- The Institute of Hydraulics and Hydrology (IHH) located at Poondi in Tiruvallur District, comes under this wing.
- In this Institute, Model Studies of hydraulics, hydrology and coastal structures are carried out.
- Further, this Institute monitors shore line changes of the State's coast and evaluation of coastal protection works.
- Evolving designs for all the components of the schemes, based on the field data.

- The Soil Mechanics & Research Division functioning under this wing acts as a Central Quality Control Laboratory at Chennai conducting Field and Laboratory tests for soil, concrete and construction materials.
- Watershed Management Board Division at Pollachi is engaged in undertaking sedimentation and watershed management studies in selected Reservoirs of Tamil Nadu for arriving at upto-date reduction in storage capacity due to sedimentation.

2.1.4. Chief Engineer, Operation & Maintenance

- The Dam Safety Directorate prepares the health status reports of all the Dams of the State (both WRD and TANGEDCO Dams) and furnishes the annual consolidated report to the Central Water Commission.
- The Public Works Workshop and Stores procures new vehicles, condemns old vehicles, unserviceable machineries, obsolete spares of various machineries. Further, emergent repair works in shutters of dams are also taken up.
- Collection of flow data particulars of the Dams of the State and furnishing the Daily Water Report.
- 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, every year.

2.1.5. Chief Engineer, State Ground & Surface Water Resources Data Centre

- This centre carries out assessment of the ground water potential and quality periodically all over the State.
- Maintenance of Full Climatic Stations, Aquifer Mapping and its Management and Strengthening of Ground Water Monitoring Network in the State.

2.1.6. Chief Engineer & Director, Institute for Water Studies, Hydrology & Quality Control

• Planning, assessing and managing the water resources at micro level of the River Basins in Tamil Nadu.

- Reappraisal of micro level studies of river basins.
- Well developed Remote Sensing Centre prepares basin maps for all major river basins and sub basins in the State.
- The four Quality Control Divisions of WRD, at Chennai, Trichy, Madurai and Coimbatore and three Buildings Quality Control Divisions at Chennai, Trichy, Madurai have been re-organised to function under this Institute with effect from 11-06-2018

2.1.7. Chief Engineer & Director General, Irrigation Management Training Institute (IMTI)

- Conducting various training programmes to the officers and field officials on Irrigation Management, Ground Water Development & Management and Computer related subjects.
- Unique courses like Disaster Management, Coastal Hydrology and Prevention of sea water intrusion, Dam Safety, Dam Safety Instrumentation, etc., are also organized by this Institute.
- Various training programmes and study tours are also arranged by the Institute for the benefit of officials and farmers.
- Orientation programme for the benefit of office bearers of farmers organization.

2.1.8. Chief Engineer & Director, State Water Resources Management Agency (SWaRMA)

• Advises the Government for planning water allocation, Basin water development and efficient water management.

2.2. Director, Directorate of Boilers

- Enforcing authority of the Boilers Act, 1923, for the safe operation of the Boilers and to ensure the safety of public life and property.
- Plays a vital role in the development of Boilers and Boiler Ancillary Industries in the State.

2.3. 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. Construction, Rehabilitation and Maintenance of Dams, Reservoirs, Anicuts, Check dams, Canals, Tanks, Ponds, etc.

- Creation of new irrigation infrastructure involves feasibility studies, soil exploration, detailed investigation, preparation of detailed project report, approval of funding from State/Central Government etc. prior to the scheme being taken up for execution.
- Land acquisition process also consumes adequate time in implementation of the schemes.
- The period of contract executed with an agency varies from 6 months to 24 months depending upon the project cost, working season, etc.
- Major projects funded by external financial institutions are normally executed in a phased manner over a period of six to eight years.
- Rehabilitation of all irrigation infrastructures could be expeditiously taken up only during the non irrigation season.
- Eviction of encroachments if any in the tanks, canals, surplus courses and removal of trees planted by other departments, getting environmental clearances and Coastal Regulation Zone (CRZ) clearances, etc. are also the key factors deciding the time frame.
- Maintenance works are periodically taken up as per norms, on a time bound basis, to ensure that the irrigation needs are fulfilled right upto the tail end of the system.

3.2. Revival of Kudimaramath Works-Restoration of water bodies with participatory approach

- To restore water bodies through user communities, the Government decided to revive "Kudimaramath". Kudimaramath works include maintenance works in supply channels, canals, tanks, reconstruction of shutters, surplus weirs, sluices, etc., and strengthening of tank bund.
- In Kudimaramath, works at all values are entrusted to Farmers' Organizations / Council / Ayacutdars / Users'

Association on nomination basis; 10% of the estimate cost is borne by the User Association or Ayacutdars, in the form of labour or material or cash.

 To overcome the difficulties in mobilising funds required to commence the works and make some significant initial progress, the Government have accorded approval to make an advance payment of 15% of the contract value to the Farmers' Organisations or Farmers' Councils or Ayacutdars or group of Ayacutdars, who have been nominated to carry out the works under Kudimaramath. The advance will be recovered from the first three bills.

3.3. Technical Consultancy Services offered by the Soil Mechanics and Research Division, Chennai

- The Soil Mechanics and Research Laboratories functioning at Tharamani, Chennai offer Technical Consultancy Services on chargeable basis in analysing the soil characteristics, testing of concrete and analysing the chemical properties of construction materials.
- The details of the tests carried out, the charges and duration are appended in **Annexure –II**.

3.4. Technical Consultancy Services offered by State Ground and Surface Water Resources Data Centre

- The State Ground and Surface Water Resources Data Centre at Tharamani, Chennai and its division provide the following Consultancy Services to Farmers and Public on cost basis:
 - a) Conducting Geophysical Survey for selection of suitable sites for drilling Bore Well / Dug Well.
 - b) Surface and Ground Water Quality related Testing.
 - c) Sharing of Data.
- The details of the charges collected and the duration taken for the tests are furnished in **Annexure III**.

3.5. Participatory Irrigation Management (PIM) Programme

• The Tamil Nadu Farmers' Management of Irrigation Systems Act, 2000 (Tamil Nadu Act 7/2001) was enacted and brought into force with effect from 01.10.2002.

- As per the Act, the following Farmers' Organisations are constituted:
 - a. "Water Users' Association"(WUA) at the Primary level consisting of all the water users.
 - b. "Distributory Committee" at Secondary level
 - c. "Project Committee" at the Project level
- The elected office bearers shall be in office for a period of five years and six months.
- Competent authorities to the farmers' organizations have been appointed and an Apex Committee has been constituted by the Government as per the Act.
- Sharing of revenue from fishery rights with the farmers' organisation has been ordered by the Government.

3.6. Eviction of Encroachments in Water Bodies

3.6.1. The Tamil Nadu Protection of Tanks and Eviction of Encroachment Act, 2007

 In order to provide measures for checking the encroachments, eviction of encroachments in the tanks which are under the control and Management of the Water Resources Department and for protection of such tanks, the Government enacted an Act viz., "The Tamil Nadu Protection of Tanks and Eviction of Encroachment Act, 2007 (TN Act No. 8 of 2007)."

Officials involved in implementation of the Act:

| Survey Officer | Firka Surveyor or Town Surveyor or any officer not below the rank of Survey Officer in the Survey and Land Records Department | | |
|----------------------|--|--|--|
| Officer of the Water | Assistant Engineer or Junior | | |
| Resources Department | Engineer or Overseer of the | | |
| | Water Resources Department incharge of the tanks lying in his jurisdiction | | |

| | Imprisonment for a term which may |
|----------------|------------------------------------|
| encroachers on | extend to 3 months or with fine of |
| conviction | Rupees five thousand or with both. |

3.6.2. The Tamil Nadu Land Encroachment Act, 1905

- The Tamil Nadu Land Encroachment Act, 1905 was enacted to provide measures for checking unauthorized occupation of land which are property of the Government.
- The Government, vide G.O.(Ms) No.2898, Revenue Department, Dated 03.12.1969 ordered that the Assistant Engineers (presently Assistant Executive Engineers) of the Public Works Department alone are authorized to take eviction proceedings in respect of encroachments on Public Works Department poramboke lands Channels and Tanks etc.
- To evolve an exercise / Mechanism for eviction of encroachment under the said Act, appropriate orders have been issued fixing the responsibilities from the level of Assistant Engineer to the Executive Engineer, in respect of the water bodies of the Water Resources Department (G.O. Ms. No. 540, Revenue [LD6(2)] Department, Dated 04.12.2014 and G.O. Ms. No. 148, Revenue [LD6(2)] Department, Dated 24.03.2016).

3.7. Grievances Redressal

- Petitions are received with necessary acknowledgement. The action taken on the grievances are promptly informed to the Public.
- Petitions received from Chief Minister's special cell are sent to the field officials concerned and action taken thereon after field verification and enquiry.

4.0. The Tamil Nadu Transparency in Tenders Act, 1998

 The Tamil Nadu Transparency in Tenders Act, 1998 came into force with effect from 11.12.1998. This Act provides transparency in the Public procurement and regulates the procedure in inviting and accepting tenders and matters concerned therewith or incidental thereto.

4.1. E-Tendering

• Electronic supply of tender documents at free of cost in respect of open tenders for works exceeding Rs.10.00 lakh, has been introduced.

4.2. Registration of Contractors

 Registration of Contractors in appropriate Class for executing works in Water Resources Department are done by the Superintending Engineer/Executive Engineer.

4.3. Publication of Tenders

• Works upto a value of Rs.2.00 crore : 15 days

• Works above the value of Rs.2.00 crore : 30 days

 In exceptional cases, considering the importance and urgency involved in execution of works, short term tender can be called for with prior approval of the next higher authority, by the Competent Authority.

4.4. Time limit for processing of Tenders

 Within one month from the last date stipulated for receipt of Tenders

5.0. Water Supply From Government Water Sources

5.1. Irrigation purpose

- No specific water rate is collected from the water users for irrigation.
- Land cess at the rate of Rs.12 per hectare for wet lands and Rs.5 per hectare for dry lands is only levied by Revenue Department (G.O.Ms. No. 544, Revenue [RA1(1)] Department, Dated 20.10.2010).
- Penalty of Rs.500/- per Hectare for irregular irrigation is imposed by Revenue Department (G.O.Ms. No. 545, Revenue [RA1(1)] Department, Dated 20.10.2010).

5.2. Drinking Purpose / Industrial purpose

- The Government accords permission for drawal of water less than 1 Million Gallons per Day (MGD) in consultation with Revenue Department, subject to clearance from Tamil Nadu Pollution Control Board.
- For drawal of water of 1 Million Gallons per Day (MGD) and above, after approval of Water Utilisation Committee upon recommendation of the Technical Sub Committee, the Government permission is accorded.

6.0. QUARRYING OF SAND

- The Hon'ble Chief Minister of Tamil Nadu has launched a website www.tnsand.in on 28.06.2017 and a mobile application "tnsand" with an aim to meet the requirements of end users and to ensure unhindered supply of sand.
- Sand Transporting Vehicles Registration drives are carried out across the state at regular intervals to weed out the vehicles with false registration numbers and to generate a database of these vehicles to check any misuse in the future. Some of the running quarries have already been fitted with CCTVs and steps are being to fit CCTVs compulsorily in all new sand quarries.
- The Government have ordered that the sale of ordinary sand imported from other countries or brought from other States / Union Territories for construction purposes, are being carried out by the Public Works Department of the State Government.

7.0. Supplying silted up clay, silt, savudu & gravel in tanks, reservoirs and other water bodies to the public, farmers and potters.

 The Government have allowed to take the clay, silt, savudu and gravel from the beds of tanks, channels and reservoirs at free of cost in the notified water bodies after obtaining prior permission from the concerned District Administration The quantity of silt and clay proposed to be removed for agricultural purpose shall not exceed 75 cubic metre per acre (185 cubic metre per hectare) for wet lands and 90 cubic metre per acre (222 cubic metre per hectare) for dry lands, once in two years. The quantity of earth, savudu and gravel for other domestic purposes shall not exceed 30 cubic metre. The quantity of clay proposed to be removed for making pots shall not exceed 60 cubic metre.

8.0. RIGHT TO INFORMATION ACT, 2005

 To provide information as per the RTI Act, 2005 Public Information Officers and Appellate Authorities are available in all the Chief Engineers and Superintending Engineers office. The details of their Address, Phone Number and E-mail address are furnished in Annexure – IV.

> Edappadi K. Palaniswami Chief Minister

ANNEXURE I

LIST OF OFFICERS FOR CONTACT IN CHIEF ENGINEER'S OFFICES

| SI. No. | Name Of Office | Officer For Contact |
|------------|--|---|
| 1. | Engineer-in-Chief, Water Resources Department & Chief Engineer (General), PWD, Chepauk, Chennai - 600 005. Phone No:044 - 2852 5351 Fax No:044 - 2859 4148 Email ID: eicwrdtn@gmail.com | Joint Chief Engineer [General] 044-2859 4145 Joint Chief Engineer [Irrigation] 044 - 2859 4144 Superintending Engineer [Procurement], IAMWARM Project Superintending Engineer [Mining and Monitoring] 044 - 28414487 |
| 2. | Chief Engineer, Water Resources Department, Chennai Region, Chepauk, Chennai – 600 005. Phone No:044 – 2852 3007 Fax No:04428523007 Email ID:cecrwropwd@gmail.com | Deputy Chief Engineer Chennai Region 044 – 2852 3007 |
| 3. | Chief Engineer, Water Resources Department, Trichy Region, Pudukottai Road, P.B.No.803, Subramaniapuram, Tiruchirappalli – 620 020. Phone No:0431 – 2332287 Fax No:0431 - 2331148 Email ID:cetrydb@gmail.com | Deputy Chief Engineer Trichy Region 0431 - 2332287 |
| 4. | Chief Engineer, Water Resources Department, Coimbatore Region, Coimbatore - 641 001. Phone No:0422 - 2381804 Fax No:0422 - 2381801 Email ID:chiefwropwd@gmail.com | Deputy Chief Engineer Coimbatore Region 0422 - 2381803 |

| SI. No. | Name Of Office | Officer For Contact |
|------------|--|---|
| 5. | Chief Engineer, Water Resources Department, Madurai Region, Thallakulam, Madurai - 625 002. Phone No:0452 - 2530326 Fax No:0452 - 2530826 Email ID:cewrodbmdu@gmail.com | Deputy Chief Engineer Madurai Region 0452 – 2530326 |
| 6. | Chief Engineer, Water Resources Department, Plan Formulation, Chepauk, Chennai – 600 005. Phone No:044 – 2852 5662 Fax No:044 - 28525662 Email ID:cepf2007@yahoo.co.in | Joint Chief Engineer (Plan Formulation) 044 – 2852 5662 |
| 7. | Chief Engineer, Water Resources Department, Design, Research And Construction Support, Chepauk, Chennai – 600 005. Phone No:044 – 2841 3381 Email ID:cedrcs@gmail.com | Joint Chief Engineer (Design, Research And Construction Support) 044 - 2841 3381 |
| 8. | Chief Engineer, Water Resources Department, Operation & Maintenance, Chepauk, Chennai – 600 005. Phone No:044 – 2851 7261 Fax No:044 – 28517261 Email ID:ceomwro@gmail.com | Joint Chief Engineer (Operation & Maintenance) 044 - 2841 5552 |
| 9. | Chief Engineer, Water Resources Department, State Ground & Surface Water Resources Data Centre, Tharamani, Chennai – 600 113. Phone No:044 - 22541526 Fax No:044 - 22541368 Email ID:cegwchennai@gmail.com | Joint Chief Engineer (State Ground & Surface Water Resources Data Centre) 044 - 2254 1369 |

| SI. No. | Name Of Office | Officer For Contact |
|------------|--|--|
| 10. | Chief Engineer & Director, Water Resources Department, Institute for Water Studies, Hydrology and Quality Control, Taramani, Chennai – 600 113. Phone No:044 – 2254 2380 Fax No:044 – 22542360 Email ID:ceiwswrd@gmail.com | Joint Director (Institute for Water Studies) 044 – 2254 2674 |
| 11. | Chief Engineer & Director General, Water Resources Department, Irrigation Management Training Institute, Thuvakudi, Tiruchirappalli – 620 015. Phone No:0431 – 2500500 Fax No:0431 - 2501110 Email ID:tnimtitrichy@gmail.com | Joint Director (Irrigation Management Training Institute) 0431 - 2500603 |
| 12. | Chief Engineer & Director, State Water Resources Management Agency (SWaRMA), Taramani, Chennai-600 113. Phone No:044 - 2254 0135 Email ID:swarmatn@gmail.com | Executive Engineer, State Water Resources Management Agency (SWaRMA) 044 - 2254 0135 |
| 13. | Director of Boilers, Directorate of Boilers Chepauk, Chennai – 600 005. Phone No:044 – 2852 2233 Email ID:tnboilerdir@tn.gov.in | Deputy Director of Boilers, Chepauk, Chennai – 600 005. 044 – 2852 2233 |

ANNEXURE II

Details of Tests carried out by Soil Mechanics and Research Division, Chennai

| SI. No. | Description of test | Testing Charges in Rs. | Unit | Duration |
|------------|--|------------------------------|------------|----------|
| Testin | g of soil characteristics | | | |
| I | Field Tests | | | |
| 1 | Conducting Boring Operation (Hand Auger) including Penetration Test (SPT) up to 10m in depth from ground level | 10,000 | per bore | 15 days |
| 2 | Conducting Static/Dynamic Cone Penetro meter test (SCPT/DCPT) up to 10m depth from ground level | 10,000 | per point | 15 days |
| 3 | Conducting field permeability test | 2,000 | per point | 7 days |
| II | Laboratory Tests | | | |
| 4 | Conducting Routine Lab Test (GSA, Atterberg limits) | 2,000 | per sample | 10 days |
| 5 | Conducting Lab Shear Test (Direct Shear) | 500 | per sample | 7 days |
| 6 | Conducting Unconfined Compressive Strength(UCC) Test | 500 | per sample | 7 days |
| 7 | Conducting Lab Permeability Test | 500 | per sample | 7 days |
| 8 | Conducting Lab Consolidation Test | 5,000 | per sample | 15 days |
| 9 | Conducting Proctor Compaction Test | 1,000 | per sample | 7 days |
| 10 | Conducting Differential Free Swell Test | 500 | per sample | 3 days |
| 11 | Conducting Swell Pressure Test | 5,000 | per sample | 15 days |

| SI. No. | Description of test | Testing Charges in Rs. | Unit | Duration |
|------------|---|------------------------------|------------------------------|----------|
| | Chemical Analysis | | | |
| 1 | Chemical analysis on Cement | 5,000 | per sample | 7 days |
| 2 | Chemical analysis on Lime | 5,000 | per sample | 7 days |
| 3 | Chemical analysis on Water | 5,000 | per sample | 3 days |
| 4 | Chemical analysis on Surki/ Fly ash | 5,000 | per sample | 7 days |
| 5 | Chemical analysis on Sand | 5,000 | per sample | 7 days |
| 6 | Chemical analysis on Soil | 6,000 | per sample | 7 days |
| 7 | Chemical analysis on Mortar | 3,000 | per sample | 7 days |
| 8 | Chemical analysis on Rock Sample | 10,000 | per sample | 7 days |
| 9 | Chemical analysis on Water for construction purpose | 2,000 | per sample | 3 days |
| 10 | Chemical analysis on water for Drinking, Domestic and Industrial purpose | 3,000 | per sample | 3 days |
| 11 | Chemical analysis on corrosive nature of soil and sand | 2,500 | per sample | 7 days |
| | Test on Concrete | | | |
| I | Field Tests | | | |
| 1 | Rebound Hammer Test | 50 | per point | 7 days |
| 2 | Ultrasonic Pulse Velocity Test | 75 | per point | 7 days |
| 3 | Rebar Scanner Test | 75 | per point | 7 days |
| 4 | Core cutting and Compression Test | 900 | per sample | 15 days |
| II | | | | |
| 1 | Concrete Compressive Strength Test | 150 | per set of three cubes | 2 days |
| 2 | Tests on steel viz., Tensile Strength, Specific weight, Percentage of Elongation, 0.2% of proof stress | 600 | per sample | 2 days |

| SI. No. | Description of test | | Unit | Duration |
|------------|---|--------|------------|----------|
| 3 | Tests on Coarse aggregate | | | |
| a) | Sieve Analysis | 1,200 | per sample | 3 days |
| b) | Specific Gravity | 500 | per sample | 3 days |
| c) | Abrasion Test | 1,000 | per sample | 3 days |
| d) | Crushing Test | 1,000 | per sample | 3 days |
| e) | Impact Test | 1,000 | per sample | 3 days |
| f) | Organic Impurities | 500 | per sample | 3 days |
| 4 | Tests on Fine Aggregate | | | |
| a) | Sieve Analysis | 1,200 | per sample | 3 days |
| b) | Specific Gravity | 500 | per sample | 3 days |
| c) | Silt and Clay Content | 500 | per sample | 3 days |
| d) | Organic Impurities | 500 | per sample | 3 days |
| 5 | Tests on Cement viz., Consistency, Initial setting time and final setting time, Compressive strength, Soundness | 3,000 | per sample | 30 days |
| 6 | Tests on Bricks viz., Efflorescence, Water absorption, Compressive strength | 2,000 | per sample | 10 days |
| 7 | Tests on Burnt Clay Bricks viz., Water absorption, Flexural strength | 2,500 | per sample | 10 days |
| 8 | Concrete mix design | 20,000 | per sample | 40 days |
| 9 | Test on Mosaic and Pressed Tiles Flexural strength | 2,500 | per sample | 7 days |
| 10 | Physical properties of Lime | 3,000 | per sample | 30 days |
| 11 | Lime reactivity test on Fly Ash | 2,000 | per sample | 30 days |

ANNEXURE - III Details of Tests carried out by State Ground and Surface Water Resources Data Centre

| | Surface Water Resources Data Centre | | | | |
|-----------|---|-----------------------|---|---------------------------------------|--|
| SI. No | Description of test | Testing charges in Rs | Unit | Approximate time required for results | |
| | Field Te | sts | | | |
| 1 | Geophysical survey to locate feasible site for drilling Bore well for Farmers | 500 | Per site | 1 Week | |
| 2 | Geophysical survey to locate feasible site for drilling Open well for Farmers | 500 | Per site | 1 Week | |
| 3 | Geophysical survey to locate feasible site for drilling Bore well for Public / Government | 1000 | Per site | 1 Week | |
| 4 | Geophysical survey to locate feasible site for drilling Open well for Public / Government | 1000 | Per site | 1 Week | |
| | Laboratory | Tests | | | |
| 5 | Conducting routine lab test for parameters for Farmers, Public and Students. Cations, Anions, Total Dissolved Solids (TDS), Total Hardness (TH), Hydrogen Ion concentration (pH value)) | 250 | Per Water Sample | 1 Week | |
| | Sharing | of Data | | | |
| 6 | Students, Research scholars (Academic purposes only) | 100 | Per type of data / Per year/ one District | 1 Week | |
| 7 | Non-Government Organizations | 200 | Per type of data / Per year/ one District | 1 Week | |
| 8 | Project Consultant | 300 | Per type of data / Per year/ one District | 1 Week | |

| 9 | General Public / Private Organisation | 500 | Per type of data / Per year/ one District | 1 Week | |
|----|--|--------------|---|---------|--|
| 10 | Line Departments (Government) | Free of cost | | | |
| | Ground Water Clearance | | | | |
| 11 | Ground Water Clearance (NOC) to Water based and non Water based industry in Safe and Semi Critical Firkas. | 6000 | Per Bore Well / Dug Well | 40 days | |

Annexure IV

Public Information Officer and Appellate Authorities official Address, Phone Number and E-Mail address

| SI. No. | Office Address | Designation of the PIO/Phone No./e-mail ID | Designation of the Appellate Authority/Phone No./e-mail ID |
|------------|----------------------------------|--|--|
| 1 | Office of the Engineer-in-Chief, | 1. Executive Engineer, | Joint Chief Engineer (Irrigation), |
| | Water Resources Department & | Water Resources Department | Water Resources Department, |
| | Chief Engineer (General), PWD, | (Technical), | Phone No: 044 - 28594144 |
| | Chepauk, Chennai - 5. | Phone No: 044 - 28525351 | Email ID: <u>eicwrdtn@gmail.com</u> |
| | | Extn.209 | |
| | | Email ID: rtieicwrd2017@gmail.com | |
| | | 2. Chief Personnel Officer, Water Resources Department (General), Phone No: 044 - 28525351 | |
| | M | Email ID: rtieicwrd2017@gmail.com | |
| 2 | Mining and Monitoring Circle, | Assistant Engineer, | Superintending Engineer, |
| | Water Resources Department, | Water Resources Department, | Water Resources Department, |
| | Chepauk, Chennai -05 | Phone No: 044 – 2841 4487 Email ID: | Phone No: 044 - 2841 4487 Email ID: |
| | | semmcirclechennai@gmail.com | semmcirclechennai@gmail.com |
| | | semmenciechennalwyman.com | semmenciechennaiwgman.com |

| | Chennai Region | | |
|---|--|--|---|
| 3 | Office of the Chief Engineer, Chennai Region, Chennai-5. | Deputy Chief Engineer, Water Resources Department, Phone No: 044-28410402 Email ID: cecrwropwd@gmail.com | Chief Engineer, Water Resources Department, Phone No: 044 - 28414150, 28523007 Email ID: cecrwropwd@gmail.com |
| 4 | Pennaiyar Basin Circle, Water Resources Department, Thiruvannamalai-606603 | Deputy Superintending Engineer, Water Resources Department, Phone No: 04175 - 236921 Email ID: sepbc52@yahoo.co.in sepbctvmalai2007@rediffmail.com | Superintending Engineer, Water Resources Department, Phone No: 04175 - 236921 Email ID: sepbc52@yahoo.co.in sepbctvmalai2007@rediffmail.com |
| 5 | Project Circle, Water Resources Department Vellore-632 006. | Special Grade Draughting Officer, Water Resources Department, Phone No: 0416 - 2248780 Email ID: seprojectcirclevellore@yahoo.com | Superintending Engineer, Water Resources Department, Phone No: 0416 - 2248780 Email ID: seprojectcirclevellore@yahoo.com |
| 6 | Vellar Basin Circle, Water Resources Department, Cuddalore-1 | Deputy Superintending Engineer, Water Resources Department, Phone No: 04142 - 230323 Email ID: sepwdcud@yahoo.co.in | Superintending Engineer, Water Resources Department, Phone No: 04142 - 230323 Email ID: sepwdcud@yahoo.co.in |
| 7 | Palar Basin Circle, Water Resources Department, Chepauk, Chennai-5. | Deputy Superintending Engineer, Water Resources Department, Phone No: 044 - 28591231 Email ID: sepbcwrd@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 044 - 28591231 Email ID: sepbcwrd@gmail.com |

| | Trichy Region | | |
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| 8 | Office of the Chief Engineer, Water Resources Department, Trichy Region, Trichy-620020. | Head Draughting Officer, Water Resources Department, Phone No: 0431-2331411 Email ID: cetrydb@gmail.com cetrydb@hotmail.com | Deputy Chief Engineer, Water Resources Department, Phone No: 0431-2331411 Email ID: cetrydb@gmail.com cetrydb@hotmail.com |
| 9 | Upper Cauvery Basin Circle, Water Resources Department, Salem | Deputy Superintending Engineer, Water Resources Department, Phone No: 0427-2413474 Email ID: uppercauvery@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 0427-2413474 Email ID: uppercauvery@gmail.com |
| 10 | Middle Cauvery Basin Circle, Water Resources Department, Trichy-20. | Deputy Superintending Engineer, Water Resources Department, Phone No: 0431-2331860, Email ID: csemcbctry@yahoo.co.in | Superintending Engineer, Water Resources Department, Phone No: 0431-2331860, Email ID: semcbctry@yahoo.co.in |
| 11 | Lower Cauvery Basin Circle, Water Resources Department, Thanjavur. | Deputy Superintending Engineer, Water Resources Department, Phone No: 04362-230133 Email ID: selcbtnj@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 04362-230133 Email ID: selcbtnj@gmail.com |

| | Madurai Region | | |
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| 12 | Office of the Chief Engineer, Water Resources Department, Madurai Region, Madurai - 625 002 | Head Draughting Officer, Water Resources Department, Phone No: 0452 - 2530326 Fax 0452 - 2530826 Email ID: cepimmdu@gmail.com | Deputy Chief Engineer, Water Resources Department, Phone No: 0452 - 2530326 Fax 0452 - 2530826 Email ID: cepimmdu@gmail.com |
| 13 | Periyar Vaigai Basin Circle, Water Resources Department, 46, North Chithirai Street, Madurai-625001 | Deputy Superintending Engineer, Water Resources Department, Phone No: 0452-2623828 Email ID: sepvbcmdu@yahoo.co.in | Superintending Engineer, Water Resources Department, Phone No: 0452-2623828 Email ID: sepvbcmdu@yahoo.co.in |
| 14 | Lower Vaigai Basin Circle, Water Resources Department, Sivagangai – 630562. | Deputy Superintending Engineer, Water Resources Department, Phone No: 04575-240304 Email ID: selvbsva@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 04575-240304 Email ID: selvbsva@gmail.com |
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| | Coimbatore Region | | |
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| 21 | Bhavani Basin Circle, Water Resources Department, Erode-638002 | Deputy Superintending Engineer, Water Resources Department, Phone No: 0424-2255244 Email ID: sewroerode@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 0424-2255244 Email ID: sewroerode@gmail.com |

| | Plan Formulation | | |
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| 22 | Office of the Chief Engineer, Water Resources Department, Plan Formulation, Chennai-5 | Deputy Chief Engineer, Water Resources Department, Phone No: 044 - 2852 5662 Email ID: ceplanformulation@gmail.com cepf2007@yahoo.co.in | Chief Engineer, Water Resources Department, Phone No: 044 - 2852 5662 Email ID: ceplanformulation@gmail.com cepf2007@yahoo.co.in |
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| | Design, Research and Construction Support | | |
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| 26 | Office of the Chief Engineer, | Head Draughting Officer, | Joint Chief Engineer, |
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| 28 | Institute of Hydraulics and Hydrology, Water Resources Department, Poondi – 602023. | Assistant Director, Water Resources Department, Phone No: 044-27639924 Email ID: ddihhpoondi@gmail.com | Superintending Engineer / Director, Water Resources Department, Phone No: 044-27639924 Email ID: seihhpoondi@gmail.com |
| | Operation & Maintenance | | |
| 29 | Office of the Chief Engineer, Water Resources Department, Operation & Maintenance, Chepauk, Chennai-5 | Joint Chief Engineer, Water Resources Department, Phone No: 044 - 28415557 E-mail ID: ceomwro@gmail.com | Chief Engineer, Water Resources Department, Phone No: 044 – 28415552 E-mail ID: <u>ceomwro@gmail.com</u> |

| 30 | Dam Safety Directorate, Water Resources Department, Chepauk, Chennai-5. | Deputy Superintending Engineer, Office of the Superintending Engineer & Director, Water Ressources Department, Phone No: 044 - 28548269 E-mail ID: tndamsafety@gmail.com | Superintending Engineer & Director, Dam Safety Directorate, Water Resources Department, Phone No: 044 - 28548269 E-mail ID: tndamsafety@gmail.com |
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| 31 | Workshop & Stores Circle, Water Resources Department, Chepauk, Chennai-5. | Assistant Executive Engineer, Office of the Superintending Engineer, Workshop & Stores Circle, WRD, Phone No: 044 - 28548690 E-mail ID: seworkshoppwd@yahoo.com | Superintending Engineer, Workshop & Stores Circle, Water Resources Department, Phone No: 044 - 28548690 E-mail ID: seworkshoppwd@yahoo.com |
| 32 | State Project Management Unit under Dam Rehabilitation & Improvement Project, Water Resources Department, No.6, Palar House, Kamarajar Salai, Chennai-5. | Executive Engineer (Procurement), Office of the Superintending Engineer, PWD/ Project Director, State Project Management Unit under DRIP, Phone No: 044 - 28443014 E-mail Id: tnspmu@gmail.com | Superintending Engineer, PWD/ Project Director, State Project Management Unit under DRIP, Phone No: 044 - 28443014 E-mail Id: tnspmu@gmail.com |

| | State Ground & Surface Water Resources Data Centre | | |
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| 33 | Office of the Chief Engineer, Water Resources Department, State Ground and Surface Water Resources Data Centre, Taramani, Chennai-113. | Technical Expert (Hydrogeologist), Water Resources Department, Phone No: 044-22541526 Email ID: cegwchennai@gmail.com | Joint Chief Engineer, Water Resources Department, Phone No: 044-22541526 Email ID: cegwchennai@gmail.com |
| 34 | Ground Water Circle, Water Resources Department, Taramani, Chennai-113. | Deputy Director, Water Resources Department, Phone No: 044-22541591 Email ID: gwcchn@gmail.com | Superintending Engineer, Water Resources Department, Phone No:044-22541591 Email ID: gwcchn@gmail.com |
| 35 | Ground Water Circle, Water Resources Department, Thanjavur-613007. | Deputy Director, Water Resources Department, Phone No: 04362-271276 Email ID: gwcthanjai@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 04362-271276 Email ID: gwcthanjai@gmail.com |
| 36 | Ground Water Circle, Water Resources Department, Madurai-625 002. | Assistant Executive Engineer, Water Resources Department, Phone No: 0452-2531208 Email ID: gwcmdu@gmail.com | Superintending Engineer, Water Resources Department, Phone No: 0452-2531208 Email ID: gwcmdu@gmail.com |

| | Institute For Water Studies, Hydrology And Quality Control | | |
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| 37 | Office of the Chief Engineer & Director, Water Resources Department, Institute For Water Studies, Hydrology and Quality Control, Tharamani, Chennai-113 | Executive Engineer, Water Resources Department (Division-II), Phone No: 044 - 22542380 Extn. 108 Email ID: ceiwswrd@gmail.com | Chief Engineer& Director, Water Resources Department, Phone No: 044 – 22542380 Email ID: ceiwswrd@gmail.com |
| | Irrigation Management Training Institute | | |
| 38 | Office of the Chief Engineer & Director General, Water Resources Department, Irrigation Management Training | Administrative Officer, Water Resources Department, Irrigation Management Training Institute, | Joint Director (Training), Water Resources Department, Irrigation Management Training Institute, |
| | Institute, Thuvakudy, Tiruchirappalli-620015. | Phone No: 0431-2501295 Email ID: <u>tnimtitrichy@gmail.com</u> | Phone No: 0431-2501019. Email ID: <u>tnimtitrichy@gmail.com</u> |
| | State Water Resources Management Agency | | |
| 39 | Chief Engineer & Director, State Water Resources Management Agency (SWaRMA) Taramani, Chennai-600 113. | Executive Engineer, State Water Resources Management Agency (SWaRMA) 044 – 2254 0135. Email I.D. swarmatn@gmail.com | Chief Engineer & Director, State Water Resources Management Agency (SWaRMA) Phone No:044 - 2254 0135 Email ID: swarmatn@gmail.com |