

**Right to Information Action – particulars of Storm Water Drain Department  
Greater Chennai Corporation**

**Introduction:**

Chennai is one of the fastest growing Metropolitan cities in our country. The area of the Greater Chennai Corporation was expanded from 176 sq.km to 426 sq.km in the year 2011. The population of the Chennai city is 80 lakhs and is fast approaching to 1 crore. The Greater Chennai Corporation has taken various steps to provide necessary infrastructure facilities in the core city and in the newly added areas of the city.

**I. Function of Storm Water Drain Department:**

The Storm Water Drain Department of Greater Chennai Corporation maintains a Storm Water Drains network for a length 1894km and also maintaining 30 canals crossing across the Chennai City. Rain Water runoff gets drained through Storm Water Drain network & canals and reaches the Sea via four waterways – Buckingham Canal, Adyar river, Cooum river and Kosasthalaiyar river – running across the city.

**Construction of Storm Water Drain and Canal:**

- a. Storm Water Drains are constructed to relieve water stagnation in the water logging areas irrespective of the width of the road.
- b. The size of the storm water drain is designed based on the catchments area, land pattern and discharge.
- c. RCC box type drains are proposed for construction of storm water drain with inlet pipe / silt catch pit at 10m intervals. PVC pipe is provided to accommodate the electrical and other utilities in Storm Water Drain crossings.
- d. Improvement to the canals construction of flood production retaining wall and canal lining works were carried out for free flow of rain water. Chain link to be provided other the retaining wall in order to prevent people throwing of garbage in to the canal. The flooring facilities is such that, men and machineries can carry out desilting works easily.

**Construction of Storm Water Drain in extended areas:**

Chennai City is prone for floods and cyclones. The core city has integrated storm water drain facilities. In order to provide infrastructure facilities in the area of Greater Chennai Corporation, a Detailed Project Report was prepared for construction integrated storm water drains in extended areas in Adyar, Cooum, Kovalam and Kosasthalaiyar Basin..

**Maintenance Work:**

The desilting of storm water drain is being carried out before monsoon by respective zones for free flow of rain water.

**Canals**

Using the new machineries 3 Robotic excavator and one Amphibian Vehicle, the floating materials and desilting of canals are carried out on rotation basis.

**a. Amphibian Vehicle**

For removing hyacinth and desilting work Amphibian Vehicle has been purchased from Finland and the same is used in removal of hyacinth an desilting Buckingham Canal, Captain Cotton Canal, Adyar river and Velachery lake.

Due to this, mosquitoes menace has been curtailed in the Chennai City more specifically in R.K.Nagar, Tondiarpet, Korrukupet, Vysarpadi, Royapuram, Mylapore and other areas. Resultantly, water bodies were deepened and free flow of water is ensured.

**b. Robotic Excavator**

Three Modern Robotic Excavators have been purchased from Switzerland for carrying out desilting operations and removal floating materials in the canals having lesser width. This will work in the canals having water flow and where silt and water level is even up to 8 feet.

A timeline has been prepared and desilting operation and removal of hyacinth has been carried out regularly in all 30 canals coming under the control of the Greater Chennai Corporation.

**Canals maintained by Greater Chennai Corporation:**

S.No.	Zone No.	Name of the Canal
Extended Area of Chennai Corporation		
1	I	Thamaraikulam Canal
2	II	Old Napalayam Canal
3	II	Thulasinagar Canal
4	II	Manali Pudur TNEB Canal
5	II	Periya Eatchankuzhi Canal
6	II	Kadapakkam Lake Surplus Canal
7	II	Madhavaram – Manali Lake Canal
8	VII & XI	Nolambur Canal
9	VII	Ambattur Sidco Canal

10	VII	Padikuppam Canal
11	XI & XII	Nandambakkam Canal
12	XII	Adambakkam Canal
13	XIV	Pallikaranai Canal
14	XV	Secretariat Colony Canal
<b>Erstwhile Chennai Corporation Area</b>		
15	IV	Captain Cotton Canal & Link Canal
16	IV	Kodungaiyur Canal
17	IV	Vysarpadi Canal
18	IV	Jawahar Canal
19	VI	Ekangipuram Canal
20	VI	TVS Canal
21	IX	Nungambakkam Canal
22	IX	Trustpuram Canal
23	IX, X & XIII	Mambalam Canal
24	IX	Nandanam Canal
25	X	Reddy Kuppam Canal
26	X	MGR Canal
27	X	Jafferkhanpet Canal
28	XIII	Chellammal College Canal
29	XIII	Guindy Industrial Estate Canal
30	XIII	Rajbhavan Canal

**II. Power and duties of Officers and entrusted Employees:**

Superintending Engineer / Storm Water Drain Department is the Head of the Department controlling all the works related to SWD Department with the assistance of Executive Engineers, Asst. Executive Engineers, Assistant Engineers, Junior Engineers, ADO, Section Manager, Assistant, Junior Assistant, Shorthand Typist and Typist. The employees under the control of Superintending Engineer/SWD Should discharge the duties entrusted to them. Chief Engineer/SWD look overall supervision of all the works carried out in storm water drain department.

**III. Rules and Regulation Instruction Manual and Records:**

M.C.M.C. Act 1919, District Office Manual Account test subordinate officers part I&II.

#### **IV. Name of the Designation of the Public Information:**

Superintending Engineer, Storm Water Drain Department is Appellate Authority Public Information Officer and Executive Engineer is Public Information Officer.

#### **Duties and Responsibilities of Superintending Engineer/SWDD**

1. Superintending Engineer is the Head of the Department of Storm Water Drain Department. Three Executive Engineers, 13 Asst. Executive Engineers, Four Asst. Engineer are now working under his control to carry out the work.
2. SE/SWD is in charge of overall construction of storm water drain of maintenance of canal of SWD in Chennai City.
3. To discharge the instructions given by the Commissioner and other higher officers then and there.
4. SE/SWD is the appellate authority for RTI Storm Water Drain Department.
5. The complaint redressal officer.

#### **Duties and Responsibilities of Executive Engineer/SWDD**

Executive Engineers (Central, North and South) are in charge of supervising and checking the measurement construction of storm water drain works.