



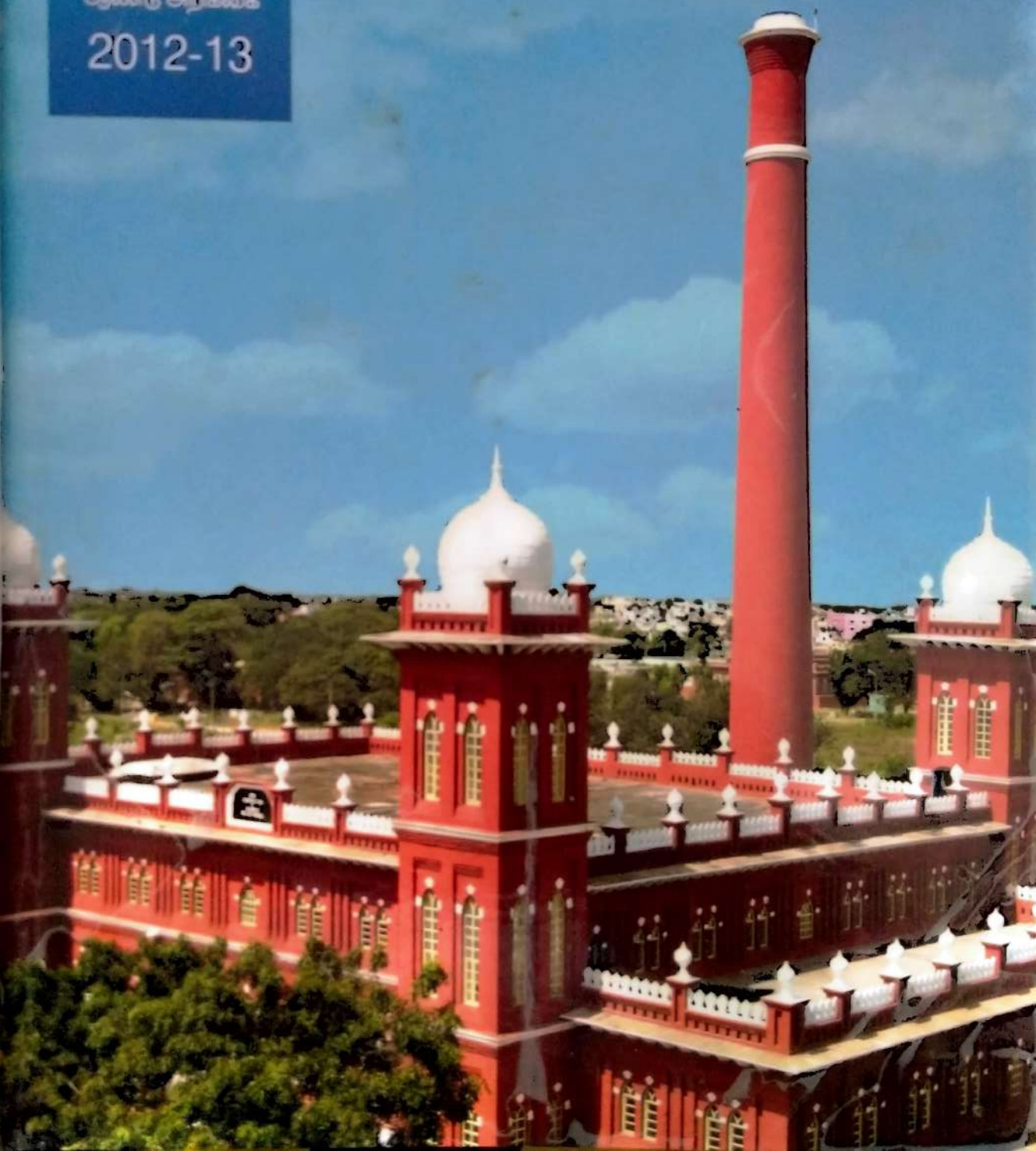
Chennai Metropolitan Water Supply and Sewerage Board

சென்னைப் பெருநகர் குடிநீர் வழங்கல்
மற்றும் கழிவுநீரகற்று வாரியம்

ANNUAL REPORT

ஆண்டு அறிக்கை

2012-13





Annual Report 2012-13

Contents

1	BOARD OF DIRECTORS	2
2	HISTORY OF THE BOARD	4
3	OBJECTIVES OF THE BOARD	7
4	ORGANISATION CHART	8
5	RAINFALL & STORAGE POSITION	9
6	IDENTIFICATION OF ADDITIONAL SOURCES	10
7	RAINWATER HARVESTING	11
8	EFFORTS TAKEN BY THE BOARD TO MAINTAIN QUALITY OF WATER	14
9	LIST OF WORKS ADMINISTRATIVELY SANCTIONED	16
10	PROJECTS FUNDING PATTERN	17
11	FINANCE	55
	(a) AUDITOR'S REPORT	57
	(b) BALANCE SHEET AND INCOME & EXPENDITURE ACCOUNT AND SCHEDULES	62
	(c) NOTES ON ACCOUNTS	75
	(d) GOVERNMENT REVIEW	87
	(e) FINANCIAL SUMMARY - FIVE YEARS AT A GLANCE	96
12	PERSONAL AND ADMINISTRATION DEPARTMENT	97
	- STAFF STRENGTH	98
	- TRANSFER AND POSTINGS OF STAFF	101
	- DETAILS OF DEPUTATIONISTS	102
13	TRAINING CENTRE	104
14	AREAS & DEPOT DETAILS	105
15	LIST OF FIXED ASSETS	106

DIRECTORS OF THE BOARD - AT PRESENT



Thiru. S. P. Velumani, M.A., M.Phil.,
Hon'ble Minister for Municipal Administration,
Rural Development,
Chairman, CMWSS Board.

Full Time Directors



Dr. B. Chandra Mohan, I.A.S.,
Managing Director,
CMWSS Board.



Thiru. N. Sandeep, I.A.S.,
Executive Director,
CMWSS Board.



Thiru. C. Arumugam, I.A. & A.S.,
Finance Director,
CMWSS Board.



Thiru. A. Mani, M.E.,
Engineering Director,
CMWSS Board.



Thiru. K. Phanindra Reddy, I.A.S.,
Principal Secretary to Government,
M.A. & W.S. Department,
Secretariat.



Thiru. K. Shanmugam, I.A.S.,
Principal Secretary to Government,
Finance Department,
Secretariat.



Thiru. Vikram Kapur, I.A.S.,
Principal Secretary/Commissioner,
Corporation of Chennai.



Thiru. A. Karthik, I.A.S.,
Member Secretary,
C.M.D.A.,



Thiru. C. Vijayaraj kumar, I.A.S.,
Managing Director,
TWAD Board.



DIRECTORS OF THE BOARD - REPORT PERIOD



Thiru. K.P. Munusamy, B.A., B.L.,
Hon'ble Minister for Municipal Administration,
Rural Development,
Chairman, CMWSS Board.
1.04.2012 to 31.03.2013

Full Time Directors



Thiru. Apurva Varma, I.A.S.,
Principal Secretary,
Managing Director.
01.04.2012 to 12.12.2012



Dr. B. Chandra Mohan, I.A.S.,
Managing Director / Exe. Dir. i/c
CMWSS Board.
13.12.2012 to 31.03.2013



Thiru. C. Arumugam, I.A. & A.S.,
Finance Director,
CMWSS Board.
01.04.2012 to 31.03.2013



Thiru. C. Prakasam, B.E.,
Engineering Director,
CMWSS Board.
01.04.2012 to 30.06.2012



Thiru. V. Balraj, M.E.,
Engineering Director,
CMWSS Board.
01.07.2012 to 31.03.2013

Ex. Officio Directors



Tmt. Sheela Balakrishnan, I.A.S.,
Addl. Chief Secretary to Government,
M.A. & W.S Department.
01.04.2012 to 31.12.2012



Thiru. C.V. Sankar, I.A.S.,
Principal Secretary to Government i/c,
M.A. & W.S Department.
01.01.2013 to 19.02.2013



Thiru. K. Phanindra Reddy, I.A.S.,
Principal Secretary to Government,
M.A. & W.S Department.
20.02.2013 to 31.03.2013



Thiru. K. Shanmugam, I.A.S.,
Principal Secretary to Government,
Finance Department.
1.04.2012 to 31.03.2013



Thiru. P. W. C. Davidar, I.A.S.,
Commissioner,
Corporation of Chennai.
1.04.2012 to 12.04.2012

Ex. Officio Directors



Thiru. R. Venkatesan, I.A.S.,
Member Secretary,
C.M.D.A.,
01.04.2012 to 31.03.2013



Thiru. P. Ekambaram, I.A.S.,
Managing Director,
TWAD Board.
01.04.2012 to 31.03.2013



Dr. D. Karthikeyan, I.A.S.,
Commissioner,
Corporation of Chennai.
13.04.2012 to 14.12.2012



Thiru. Vikram Kapur, I.A.S.,
Prl. Secretary/Commissioner,
Corporation of Chennai.
15.12.2012 to 31.3.2013

HISTORY OF THE BOARD

The Chennai Metropolitan Water Supply and Sewerage Board (Metro Water) was formed as a Statutory Board through an Act of the Tamil Nadu Legislature. (The Madras Metropolitan Water Supply and Sewerage Act 1978 (Act No.28 of 1978). The Chennai Metropolitan Water Supply and Sewerage Board took over the water supply and sewerage services carried out by the Chennai Municipal Corporation and State Ground Water Department.

Area of Operation of the CMWSS Board:

At the time of formation of the Board, the entire city of the Chennai (Corporation Limit) was divided into four Geographical Areas, each headed by an Area Engineer. Under Each Area, there were an average of about 20 Depots to cater to the water supply and sewerage needs of the public. The Depots Office is the basic unit of the Board and the public approach the depot offices for their requirements, complaints etc. Now the Board has expanded to 15 Area Offices and 200 Depots. The Board has 2 Functional Regional Offices, One deals with the Board's surface water sources at Redhills, Cholavaram, Poondi and the Kilpauk Water Works and the other Regional Office deals with Board's Ground water sources outside the city limit supplying water in bulk mainly to the Industries.

Additional Sources of Water

After formation of the Board water sources have been increased by implementing the following projects.

1. Krishna Water Supply Scheme:

A joint agreement was signed by Governments of Maharashtra, Karnataka and Andhra Pradesh on April 14, 1976 to spare fifteen thousand million cubic feet (TMC) of Krishna Water to Chennai City. Following this, an accord

between Andhra Pradesh Govt. And Tamil Nadu Govt. was signed on April 18, 1983 for drawing 15 TMC of Krishna Water to Chennai City from Srisailem Reservoir to be conveyed through Somaseela and Kandaleru Reservoirs and ultimately a net quantity of 12 TMC (After a loss of 3 TMC enroute in evaporation and seepage) will reach the Tamil Nadu border.

2. Veeranam Water Supply Project:

The Veeranam Water Supply Project was implemented to create as an additional source of water to Chennai City. The project was commissioned in the year 2004 to supply 180 MLD of water to Chennai City by drawing water from Veeranam Lake.

3. 100 MLD Desal Plant at Minjur

4. 100 MLD Desal plant at Nemmeli

Treated Water is drawn from above projects daily.

Main items of Revenue:

1. Water and Sewerage Tax
2. Sale of Water
3. Water Charges
4. Grants from Government

The Water Tax and Sewerage Tax are similar to the Property Tax levied by the Chennai Municipal Corporation, which among several other components includes a component for Water and Sewerage. After the formation of the Board this component has been deleted from the Property Tax levied by the Chennai Municipal Corporation and the Board in turn has been authorized to levy the Water Tax and Sewerage Tax separately. As an administrative arrangement, the Chennai Corporation continued to levy and collect water tax and



sewerage tax on behalf of the Board till the end of 31-3-79. From 1st April 1979, the Board has been levying and collecting the Water Tax and Sewerage Tax on its own. While the Act constituting the Board authorizes the levy of water tax upto a maximum of 20% of the assessed annual value and sewerage tax upto 10% of the assessed annual value, the Board has been authorised to levy only 1.5% of the annual value as water tax and 5.5% as the sewerage tax making a total of 7% of the annual value. Thus the total rate of taxes levied by the Board remains the same as it was when these taxes were a component of the Property Tax. Presently, the assessed Annual Value of each premises adopted by the Board is the same as that adopted by the

Chennai Municipal Corporation. The demands for Water Tax and Sewerage Tax at 7% of the Annual Value is raised half yearly.

Water is sold to different categories of consumers and charges are levied on the basis of the actual consumption of water. Water charges and demand are rendered normally on a monthly basis.

The Board is mostly collecting the water charges from public at a flat rate.

The Board is receiving grants from Government to implement various schemes.

CENTENARY OF KILPAUK WATER TREATMENT PLANT

On December 17, 2014, the Chennai City witnessed the completion of 100 years of Treated Water Supply System at Kilpauk. Looking back at the memorable aspect of this achievement, we can understand that there are three broad stages in the growth and expansion of this system - Between 1870 and 1914, between 1914 and 1954 and from 1954 onwards.

Stage- I Regulated water supply system to the Chennai City was put in place in the year 1872 by the scheme formulated by Mr. James Fraser for "Piped Water Supply System" for the then Madras City. To tap the water from the Korattaliar River, a masonry weir of 6 feet height was built across the river at Tamaraipakkam, which is about 27 km from City. The surplus water flowing in the River Korattaliar got diverted into the Cholavaram lake by means of Upper Supply Channel. From the Cholavaram Lake, water was diverted to Redhills Lake by means of Lower Supply Channel of about 4 km length. Thus, the proposal of Mr. James Fraser confirmed that the Redhills lake would remain as the terminal



storage point of water drawn from Korattaliar River.

Stage - II While Mr. James Fraser gave the piped water supply system to the Chennai City, in the year 1914, Mr. J.W. Madeley, the then Special Engineer of the Chennai Municipal Corporation formulated the Treated Water Supply System for the Chennai City. The system developed by Mr. J.W. Madeley included several technical features such as

- a) Development of In-take Tower in the Red Hills Lake,
- b) Covered underground masonry conduit

- in place of the open earth channel,
- c) Slow sand filters to purify the water,
- d) Pure water tanks to store the filtered water,
- e) Steam powered Pumps to impart an adequate pressure to the water.
- f) Erection of Electrically operated pumpsets,
- g) Construction of 10 km long and 146 ML carrying capacity Conduit,

Stage - III - From the year 1954 onwards, several schemes for improvements and expansion of the system had been implemented and commissioned. Chief among them are

- a) Rapid Gravity Mechanical Filters of 45 MLD capacity at Kilpauk,
- b) Expanding the total treatment capacity to 270MLD,
- c) Laying additional distribution mains to reach water to the consumer points,
- d) Erection of second Pumping Main of 48" diameter,
- e) Improvements at Kilpauk Shaft to achieve optimum distribution to Chennai city.

At the end of all improvement, upgrading, and expansion works taken up by the Chennai Metrowater Board, the City still feels the stigma of insufficient monsoon rains and lack of adequate source of water. To-day, the Chennai City Water Supply System is featured by following parameters:

Operational Jurisdiction	426 Sq. Km.
Population Served	70 lakhs
Water Source - Local (Redhills, Poondi, Cholavaram and Chembaramakkam Lakes)	11 TMCFT (Thousand Million Cubic Feet)
Water Source - Distant (From the Veeranam Lake)	2.25 TMCFT
Water Treatment Capacity	1280 MLD. (Million Litres per day)
Length of Water Pipelines	5275 Kms.
Quantity of Water supplied	600 MLD.
Sea Water Desalination	200 MLD

This saw the growth and expansion of treated water supply system for Chennai City (then Madras) over the past 100 years and to mark the completion of 100 years of service to the City, on 17th December, 2014, the Hon'ble Minister Thiru. S.P.Velumani Minister for Municipal Administration, Rural Development, Law, Courts and Prisons and Hon'ble Minister Tmt. S.Gokula Indira Minister for Handlooms and Textiles, Government of Tamilnadu graced the function at the historical Kilpauk Water Treatment Plant and paid rich tributes to Er.J.W. Madeley, the Pioneer of treated water supply system to Chennai City in the presence of Thiru. K.Phanindra Reddy I.A.S., Principal Secretary to Government, M.A.&W.S Department, Dr. B. Chandra Mohan I.A.S., Managing Director, C.M.W.S.S. Board and host of general public. The Hon'ble Minister also inaugurated an Exhibition Gallery about the 100 Years History of treated water supply to Chennai city and a Medical Camp for the benefit of employees.

OBJECTIVES OF THE BOARD

To promote or secure the planned development, efficient operation, maintenance and effective regulation of water supply and sewerage systems in the Chennai Metropolitan Area.

To prepare long term plans to meet the future requirement of water supply and sewerage in the Chennai Metropolitan Area based on estimates of demand, survey on availability, usage of water and other relevant matters. Periodical evaluation, continuous monitoring of execution and recasting plans to meet up-to-date needs.

To undertake development activities with a view to meet the future requirements of water supply and sewerage in the Chennai Metropolitan Area.

To operate and maintain the water supply and sewerage as may be entrusted by the Government by notification of the Board;

To discharge all such functions relating to water supply and sewerage as may be entrusted by Government by notification to the Board;

To undertake any other matter which is supplement, incidental or consequential to all or any of the above functions; and

To undertake such other functions as may be entrusted to the Board by or under any other law for the time being having due regard to public health, safety and convenience.

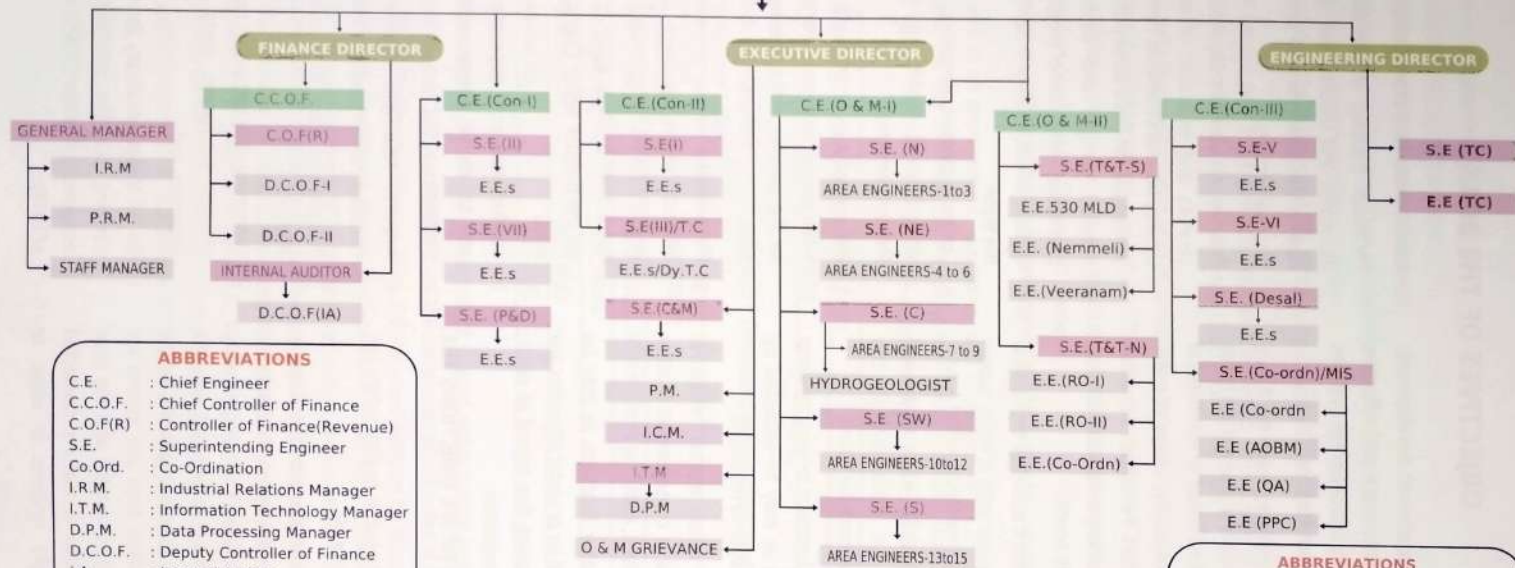
IN THE DISCHARGE OF ITS FUNCTIONS THE BOARD SHALL

- a. Have due regard to public health, safety and convenience of the public;
- b. Consult and collaborate with the Chennai Metropolitan Development Authority in regard to planning and undertaking development activities connected with the water Supply and sewerage systems for the Chennai Metropolitan Area and extend full assistance to and co-operate with the local authority in relation to matters connected with water supply systems or water or sewerage works or other similar works;
- c. Facilitate training of personnel for and absorbing and utilizing the technical know how in the Water Supply and waste water disposal sectors;
- d. Provide consultancies and managerial services and execution of any project on turnkey basis or otherwise, furnishing integral service such as basic survey on preparation of detailed designs and estimates, tender procedures, execution of projects, monitoring evaluation etc, to other Urban Local Bodies in the State;
- e. Control extraction, conservation and use of underground water in the Chennai Metropolitan Area;
- f. Prevent pollution of any water including any water source, watercourse or channel utilized for the purpose of the Chennai Metropolitan Area;
- g. Prescribe the manner of treatment. of trade effluents before discharge thereof and to regulate the discharge thereof into any sewer, canal, river or other water channels utilized for the purpose within Chennai Metropolitan Area;
- h. Conduct research, experiment and survey and to do all things necessary for that purpose;
- i. Acquire, hold and dispose of property, necessary to carry out its operations;
- j. Prepare and adopt its annual accounts and budget;
- k. Determine, levy and collect taxes, rates, fees, charges, surcharges, rents and costs and expenses; and
- l. Do all things necessary for the purpose of carrying out the provisions and duties assigned to it under CMWSS Act 1978(Act 28 of 1978).



METROWATER BOARD - ORGANISATION CHART

CHAIRMAN
↓
MANAGING DIRECTOR



ABBREVIATIONS

C.E.	: Chief Engineer
C.C.O.F.	: Chief Controller of Finance
C.O.F.(R)	: Controller of Finance (Revenue)
S.E.	: Superintending Engineer
Co.Ord.	: Co-Ordination
I.R.M.	: Industrial Relations Manager
I.T.M.	: Information Technology Manager
D.P.M.	: Data Processing Manager
D.C.O.F.	: Deputy Controller of Finance
I.A.	: Internal Auditor
P.M.	: Purchase Manager
I.C.M.	: Inventory Control Manager
E.E.	: Executive Engineer
R.O.(I)	: Regional Office-I
R.O.(II)	: Regional Office - II
P & D	: Planning and Design
TC	: Training Centre
T & T	: Treatment and Transmission
TM	: Transmission mains

ABBREVIATIONS

O & M	: Operation & Maintenance
C & M	: Monitoring
S / SW	: South / South West
N / NE	: North / North East
C	: Central
STP	: Sewage Treatment Plant
Sew	: Sewerage
W.Sy.	: Water Supply
Desal	: Desalination
AOBM	: Adm. Office Building Maintenance
AUA	: Adjacent Urbanised Area
QA	: Quality Assurance

GRADE - I

GRADE - II

GRADE - III

GRADE - IV

WATER SOURCES FOR CHENNAI CITY

The Chennai city Water Supply sources are Surface water sources, Ground water & desalination plants. The surface sources are Poondi, Cholavaram, Red hills and Chembarambakkam lakes. An agreement was signed jointly by Governments of Maharashtra, Karnataka and Andhra Pradesh on April 14, 1976 to spare 15 thousand million cubic feet (TMC) of Krishna water to Chennai city, from Sri Sailam Reservoir to be conveyed through Somasela and Kandaleru Reservoirs and ultimately a net quantity of 12 TMC (after loss of 3 TMC enroute in evaporation and seepage) will reach the Tamil Nadu border as follows.

July to October - 8TMC

January to April - 4TMC

Veeranam lake located at about 230 km South of Chennai City is another source from October 2004, added to Chennai City water supply. In addition to this, CMWSSB is treating about 100MLD of water from the Desalination plant at Minjur constructed on Design, Build, Own, Operate and Transfer (DBOOT) basis (from 31.07.2010). Another 100 MLD Desalination plant at Nemmeli was commissioned by Hon'ble Chief Minister on 22.02.2013. The ground water sources are the Well Fields located at Poondi, Tamaraipakkam and southern coastal Aquifer.

2.a. AVERAGE RAINFALL OF REDHILLS, CHOLAVARAM & POONDI

Year	Rainfall in mm
2007	1449.47
2008	1655.00
2009	1119.60
2010	1561.03
2011	1315.80
2012	981.80
2013	1064.87
2014	1025.80

2. c. AVERAGE TOTAL SUPPLY

Financial Year	Quantity in MLD
2007-08	642.79
2008-09	653.57
2009-10	610.95
2010-11	682.49
2011-12	794.77
2012-13	828.83
2013-14	604.07
2014-15	586.02

2.b. STORAGE OF LAKES

(in mcft)

Sl. No.	Name of the Lake	Full storage capacity	Storage				
			June 2010	June 2011	June 2012	June 2013	June 2014
1	Poondi	3231	1195	1700	2080	337	429
2	Cholavaram	881	98	218	83	0	3
3	Red hills	3300	2004	2207	1319	821	1507
4	Chembarambakkam	3645	2106	1822	1177	1012	1264
5	Veeranam	1465	1124	0	499	0	1051

2. d. DEMAND SUPPLY GAP

Financial year	Population in lakhs	Demand	City supply in MLD	Gap
2007 - 08	45.43	681.45	582.22	99.23
2008 - 09	45.77	686.55	586.59	99.96
2009 - 10	46.12	691.80	535.88	155.92
2010 - 11	46.46	696.90	606.13	90.77
2011 - 12	67.27	1009.05	722.85	286.20
2012 - 13	68.97	1034.55	766.25	268.30
2013 - 14	70.68	1060.20	555.61	504.59
2014 - 15	71.88	1078.20	540.65	537.55

OPERATION AND MAINTENANCE

i) OPERATIONAL AREA:

The operational area of the CMWSSB is 426 sq.km.

ii) WATER SUPPLY:

The Board maintains an elaborate network of facilities to provide water supply services. Since its inception in 1978, the Board has improved its services and the infrastructure it maintains has seen a manifold increase.

The treated water after disinfection is distributed to city through 16 major and 30 minor distribution stations and a network of 5,275 KM water distribution mains laid in the city. In 2012-13, an average of 2,539 trips are made through lorries from filling points located at 28 places by operating about 219 nos. of 9 KL and 92 nos. of 6 KL lorries.



iii) WATER TREATMENT PLANTS:

Water is drawn from Red Hills lake to Water Treatment Plants at Puzhal & Surapet (taken over from TWAD on 01.08.2009) situated near the Lake, and at Kilpauk, then treated and distributed to Chennai City. The Chembarambakkam Water Treatment Plant (commissioned on 19.07.2007) to treat water drawn from Chembarambakkam lake and to supply to city. Water drawn from Veeranam lake (added as a source in the year 2004) is treated at Vadakuthu Water Distribution Station and then distributed to Chennai City through Porur WDS. In addition to this, CMWSSB is having 100MLD Desalination plant at Minjur constructed on Design, Build, Own, Operate, and Transfer (DBOOT) basis (from 31.07.2010) and another 100 MLD Desalination plant at Nemmeli with major fund support from Central Government is in operation from 22.02.2013.

Sl. No.	Water Treatment Plant	Capacity in MLD	Established in the year	Present treatment (in MLD)	Reason for gap
1	Kilpauk	270	1914 Refurbished in 2005	250	Conduit to be refurbished
2	Redhills	300	1996	210	Additional intake provisions to be made
3	Veeranam	180	2004	180	
4	Chembarambakkam	530	19.07.2007	266	Additional pipeline to be laid
5	Surapet	14	Taken over from TWAD in 2009	11.5	
6	Desalination Plant at Minjur	100	31.07.2010	100	
7	Desalination Plant at Nemmeli	100	22.02.2013	68.63	Stabilizing Period
Total Treatment Capacity		1494			



BIKE RALLY



BIKE RALLY

Conducting Rallies With School Children

Rallies were conducted in all the 200 Depot Offices of CMWSSB with school children. In each rally around 500 students have participated. Politicians such as Members of Parliament, State Ministers, Worshipful Mayor of Corporation of Chennai, Members of Legislative Assembly, and Councilors have inaugurated and participated in these rallies. Celebrities including film personalities also inaugurated rallies. During these rallies visors printed with RWH logo were provided to the participants.



WORSHIPFUL MAYOR AND HON'BLE MINISTER
FOR HANDLOOMS INAUGURATED THE
STUDENTS RWH RALLY



RWH AWARENESS STUDENTS RALLY BY CMS HOME
STUDENTS AT POONAMALLE HIGH ROAD,
DEPOT 103, AREA - VIII



INTERACT WITH STUDENTS ABOUT RWH AWARENESS



RWH AWARENESS CD LAUNCHED



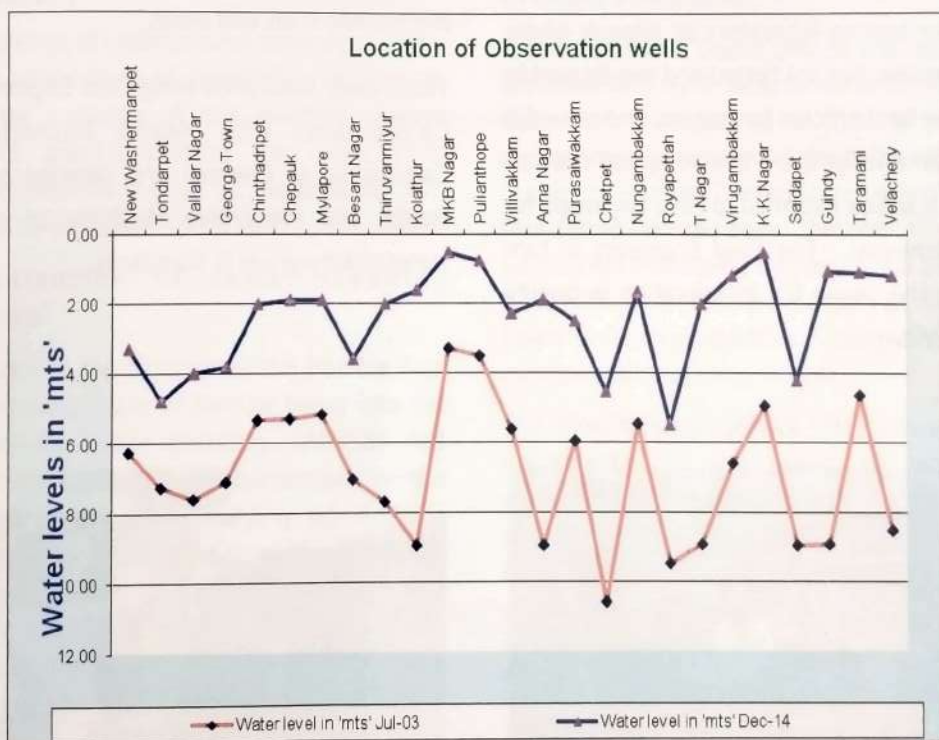
RWH AWARENESS CHARIOT FLAG SHOOK LAUNCHED BY MANAGING DIRECTOR



RWH AWARENESS RALLY

Impact on Rainwater Harvesting

IMPROVEMENT IN WATER LEVEL IN CHENNAI CITY AFTER THE IMPLEMENTATION OF RAIN WATER HARVESTING (JULY 2003 - DECEMBER 2014)



Appreciation by the Hon'ble Prime Minister of India

Hon'ble Prime Minister of India has also appreciated Tamil Nadu for its RWH initiatives in the Parliament during May 2014 and directed other states to follow this practice to conserve ground water.

v) EFFORTS TAKEN BY THE BOARD TO MAINTAIN QUALITY OF WATER:

The Expanded Chennai City has an area of about 426 sq. km. and is divided into 15 Areas which includes newly added areas. The water supply and sewerage facilities of Chennai City are provided by CMWSS Board.

The Quality Assurance Wing of CMWSS Board monitors the quality of water supplied to the consumers. About 150 water samples are collected on daily basis to analyse the Residual Chlorine content and 60 samples for Bacteriological analysis. In addition to these samples, 2500 water samples are collected from various parts of Chennai city and checked for residual chlorine by the field staff from 200 Depot offices.

Quality Assurance Wing of CMWSSB is equipped with water testing laboratory at Kilpauk where the water samples are tested and results sent to concerned field officers for perusal and remedial action. Whenever there is inadequate residual chlorine, it will be informed to Field Engineers for urgent redressal. The Field Engineers in turn ascertain the cause for deterioration in quality and rectify it.

Whenever a pollution complaint is received the Field Engineers investigate and if necessary the piped supply is disconnected and Mobile water supply is arranged. The piped supply is restored after rectification of defects.

Quality Assurance Wing also monitors the admission of ADD (Acute Diarrhoeal Diseases) at Communicable Disease Hospital, Tondiarpet and during outbreak of any epidemic disease, water quality is checked and sanitary survey is conducted by Field Engineers and rectified.

During monsoon period all Overhead Tanks and under Ground Tanks in water treatment plants and water distribution stations are cleaned and ensured that adequate residual chlorine is maintained in tail end areas.

The Quality Assurance Wing Field Engineers also Co-ordinates with Health Authorities of Corporation of Chennai and Director of Public Health and Preventive Medicine to maintain water quality as per IS Standards.



WATER TESTING LABORATORY AT KILPAUK



CHECKING OF RESIDUAL CHLORINE



vi) SEWERAGE:

The sewage generated from the residences of the city is collected through the net work of sewage collection system of 3643 KM Sewer Mains, 95607 manholes pumped by operating 214 Sewage Pumping Stations in the City to the 11 sewage treatment plants with a capacity of 558 MLD located at 6 places on the City. The sewage system of the city is divided into five zones with independent zonal collection, conveyance, treatment and disposal facilities.

vii) EXISTING SEWAGE TREATMENT PLANTS:

Sl. No.	Treatment Plant	Capacity in mld	Actual usage in mld
1	Nesapakkam (3 units : 23+40+54 mld)	117	80
2	Kodungaiyur (3 units : 110+80+80 mld)	270	194
3	Koyambedu (2 units : 34+60 mld)	94	87
4	Perungudi (2 units : 79+72 mld)	151	104
5	Villivakkam (1 unit : 5 mld)	5	3.5
6	Alandur (1 unit : 12 mld)	12	12
Total (12 units)		649	480.50

Additional sewage Treatment Plant (under construction)

On completion of underground sewerage system in newly added areas of Corporation of Chennai, the entire capacity of the existing sewage treatment plant including the capacity of proposed treatment plant at Koyambedu (120 MLD), will be utilized.

Mechanisation of sewer cleaning operations

Consequent to the direction of the Hon'ble High Court, banning entry of human being into the manholes for sewer cleaning, CMWSSB has mechanised removal of obstruction in the sewerage system by deploying Jet Rodding machines, Super Sucker machines and Desilting machines. During 2012-13, 122 Desilting Machines, 82 Jet Rodding Machines, 4 jetting cum suction and 3 Super Sucker Machines have been deployed to maintain the city's sewer system.

viii) Automation of monitoring of operation

Global positioning system:

CMWSSB is introducing the Global Positioning System to track the movement of water carrying tankers hired by the Board to prevent possible pilferage of water.

ix) Consumer orientation - including Grievance Redressal:

The Area Offices, Depot Offices and Head Office are interlinked by Wide Area Network (WAN). The consumers, irrespective of their location can register their grievances in any of the offices over phone or in person. The registered grievances are transferred immediately through the Online Complaints Monitoring System to the concerned Depot Offices for taking necessary action. Action taken on such grievances / complaints is also monitored through this system.

The Short Message Service (SMS) has also been implemented in the Board, by which any consumer can register a complaint over phone and get an acknowledgement for the complaint from Metro Water by SMS. The received complaints are automatically forwarded to the relevant Depot Engineer through SMS, in order to take remedial action. After Redressal of the complaint, action taken is informed to the consumer through SMS.

Analysis of repeated complaints and ensuring avoidance of such repetitions has greatly reduced the receipt of complaints itself. In 2012-13, 2,06,780 No. of complaints were received from the consumers and redressed.

LIST OF WORKS ADMINISTRATIVELY SANCTIONED DURING THE YEAR 2012 - 2013

WATER :

S.No.	Name of Work	Estimate Amount in Rs. Crores	Administrative Sanctioned date
1.	Water Supply Scheme to Sriperumbudhur Town Panchayat	42.20	05.06.2012
2.	Water Supply Scheme to Nolambur	18.00	22.10.2012
3.	Water Supply Scheme to Karambakkam, Division 150, Chennai.	20.56	22.10.2012
4.	Water Supply Scheme to Ramapuram	32.54	22.10.2012
5.	Water Supply Scheme to Manapakkam	10.92	22.10.2012
6.	Water Supply Scheme to Nandambakkam, Division - 158, Chennai.	6.00	22.10.2012
7.	Water Supply Scheme to Okkium Thoraipakkam, Division - 193(Part), 194 & 195, Chennai.	46.00	22.10.2012
8.	Water Supply Scheme to Injambakkam, Division - 196, Chennai.	22.30	22.10.2012
9.	Water Supply Scheme to Sholinganallur & Karapakkam, Division - 197 & 198, Chennai.	35.70	22.10.2012
10.	Supplying, laying, jointing, testing and commissioning of MS spirally welded pipes of nominal diameter 1200mm from Poonamallee Bye - pass Road (near Saveetha Dental College) upto Tambaram.	97.95	23.11.2012
11.	Pipeline arrangements from Neyveli Mine IA discharge points D10 & D11 to Water Treatment plant at Vadakuthu.	5.95	08.03.2013
12.	Pipeline arrangements from Paravanai discharge point to existing Raw water pipe line at Vadakuthu.	2.92	08.03.2013

SEWER:

S.No.	Name of Work	Estimate Amount in Rs. Crores	Administrative Sanctioned date
1.	Under Ground Sewerage Scheme to Sriperumbudhur Town Panchayat.	47.40	05.06.2012
2.	Under Ground Sewerage sewerage Scheme to Kathivakkam.	86.15	22.10.2012
3.	Under Ground Sewerage Scheme to Ramapuram.	48.50	22.10.2012
4.	Under Ground Sewerage Scheme to Sholinganallur & Karapakkam, Division - 197 & 198, Chennai.	110.90	22.10.2012



PROJECT FUNDING PATTERN

S.No.	Project Works	Contract Value (Rs. in Lakhs)	Scheme/ Source	Progress	
				Physical (%)	Financial (%)

WATER SUPPLY SCHEMES:

1	100 MLD Desalination Plant at Nemmeli	533.38 + 500.30	Govt. Grants	89.33%	66.83%
2	Ambattur (ULB)	18276.62	JNNURM/Govt. & LB	98.47%	79.06%
3	Nerkundram (ULB)	1460.22	JNNURM/Govt. & LB	21%	28%
4	Maduravoyal (ULB)	1690.67	JNNURM/Govt. & LB	99%	77%
5	UllagaramPuzhuthivakkam (ULB)	1750.00	JNNURM/Govt. & LB	61.78%	37.66%
6	Thiruvottiyur (ULB)	7120.00	JNNURM/Govt. & LB	43.65%	41.55%
7	Avadi (ULB)	8329.00	JNNURM/Govt. & LB	99.30%	77.80%
8	Alandur	3738.00	JNNURM/Govt. & LB	49.45%	46.73%
9	Improvement to Water / Distribution station in to Chennai City	31266.00	JNNURM/Govt. & LB	90%	70%
10	I.T Corridor Works	4177.00	JNNURM/Govt. & LB	82.93%	89.79%
11	Madhavaram	4507.00	JICA	28.60%	28.96%
12	Meenambakkam	34.14	TNSCB	10.00%	12.70%
13	Okkiam Thoraipakkam - funded by TNSCB (Deposit)	352.00	TNSCB	30.00%	23.22%
14	Perunkundram TNSCB(Deposit)	96.19	TNSCB	76.00%	-

SEWERAGE SCHEMES:

15	Maduravoyal (ULB)	4691.67	JNNURM/Govt. & LB	66%	49%
16	Porur Underground (ULB)	3442.31	JNNURM/Govt. & LB	40%	31%
17	Ambattur Underground Sewerage Scheme (ULB) - Phase III	12384.00	JNNURM/Govt. & LB	48.60%	41.86%
18	Ambattur Underground Sewerage Scheme Phase I (Balance Works)	4130.68	TNUDP III/Govt. & LB	79.57%	83.45%
19	UllagaramPuzhuthivakkam UGSS (ULB)	2780.13	JNNURM/Govt. & LB	31.25%	24.18%
20	Perungudi Underground Sewerage Scheme (ULB)	2195.04	JNNURM/Govt. & LB	49.06%	24.27%
21	Pallikaranai Underground Sewerage Scheme (ULB)	4611.68	JNNURM/Govt. & LB	32.37%	18.30%
22	Thiruvottiyur Underground Sewerage Scheme (ULB)	5475.00	TNUDP-III /Govt. & LE	71.48%	27.62%
23	Madhavaram Underground Sewerage Scheme(ULB)	4133.00	TNUDP-III/Govt. & LB	92.49%	74.21%
24	Avadi Underground Sewerage Scheme (ULB)	17352.00	JNNURM/Govt. & LB	76.16%	74.40%

LB- Local Body

S. No.	Project Works	Contract Value (Rs. in Lakhs)	Scheme/ Source	Progress	
				Physical (%)	Financial (%)
25	Thirumazhisai Underground Sewage Scheme (ULB)	1624.33	JNNURM/Govt. & LB	52.87%	44.46%
26	Tambaram Underground Sewage Scheme (ULB)	14464.00	JNNURM/Govt. & LB	45.86%	20.30%
27	Koyambedu STP	7670.71	JNNURM/Govt. & LB	15%	14%
28	Perungudi Sewage Treatment plant	5244.00	JNNURM/Govt. & LB	100%	84.50%
29	Nesappakkam - 54 MLD	4843.52	JNNURM/Govt. & LB	92.5%	67.54%
30	IT Corridor UGSS - 14 Pump houses	2875.00	I & A /Govt. & LB	31.70%	27.20%
31	Meenambakkam Underground Sewerage Scheme	522.00	CMCDM	26.00%	42.20%
32	Sholinganallur Sewage Treatment Plant - 18 MLD	1770.00	JNNURM/Govt. & LB	5.00%	1.02%
33	Okkiam Thorapakkam Underground Sewerage Scheme- funded by TNSCB (Deposit)	176.00	TNSCB	37.30%	16.38%

100 MLD DESALINATION PLANT AT NEMMELI - ACA

Population- 15,00,000 Streets-2794

G.O (MS) No.108, Dt 29.06.2003.

Source	% of Project Cost	Amount (in corers)
GOI	97.46%	519.82
GoTn	2.54%	13.56
Total	100%	533.38

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
740.52	533.38+500.30	24	30.12.09	23.02.10	31.12.13

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Supply	100 %	-	48 %	50 %	2 %	-	-	100 %
Erection	100 %	-	20 %	60 %	10 %	-	-	100 %
Civil& Structural	100 %	5%	65 %	20 %	10 %	-	-	100 %

Financial Progress (in Lakhs)

	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	22550	11300	11000	12118	17288	74256
Expenditure	16465	19177	16868	6666	5589	64765



100 MLD DESALINATION PLANT AT NEMMELI

NEMMELI DESAL CONVEYANCE SYSTEM - GOI

Client: CMWSSB

G.O (MS) No.108, Dt 29.06.2009.

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
14561.60	12249.70	20	30.12.09	24.02.10	Jan - 2013

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Pipe Laying in(m)	64370	45920	12320	6130	-	-	64370
Construction of UGT&Pumphouse(4No)	100 %	42 %	50 %	8 %	-	-	100 %

Financial Progress (in Lakhs)

	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	7450	3700	3100	-	-	14250
Expenditure	7422	3729	1267	1855	109	14383



AKKARAI PUMPHOUSE-OUTSIDE VIEW



AKKARAI PUMPHOUSE



THIRUVANMIYUR PUMPHOUSE-OUTSIDE VIEW



THIRUVANMIYUR PUMPHOUSE

MADHAVARAM WATER SUPPLY SCHEME - JICA

Population - 3,83,433 Streets - 607

G.O. (D) No. 201 dt. 11.07.2012 for Rs.55.00 Crores

Year	Source	% of Project Cost	Amount (in lakhs)
	Capital Grant under JICA assisted	30 %	1650.00
Base 2012	Loan under JICA assisted TNUIP	60 %	3300.00
Intermediate 2027	CMWSSB Contribution	10 %	550.00
Ultimate 2042	Total	100 %	5500.00

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
5500.00	4507.00	24	17.05.2012	17.10.2012	Dec-2014

Physical Progress

	Total Qty	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	149253	-	47901	21185	69086
Providing Conveying main in (m)	6690	-	-	222	222
House service connection in (no)	19737	-	5355	2015	7472
Construction of OHT	6 No	2 %	7 %	21.08%	28.08 %
Construction of UGT	4 No	5 %	19 %	58.00%	77.00 %
Construction of Pump House	2 No (Combined)	-	-	11%	11%

Financial Progress (in Lakhs)

	12-13	13-14	14-15	Cumulative
Funds Received	455.00	1111.00	430.00	1541.00
Expenditure	455.48	780.46	1474.84	2260.80



MADHAVARAM WATER SUPPLY SCHEME,
ZONE - 2&3, THANIKACHALAM NAGAR, PCC CONCRETING



PIPELINE WORK

OKKIAM THORAIPAKKAM WATER SUPPLY SCHEME (DEPOSIT WORK)

Fund: Deposited by TNSCB Population- 41,211

Board Resolution No.22/2012.

Source	% of Project Cost	Amount (in lakhs)
TNSCB	100%	353.00
Total	100%	353.00

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
353.00	352.00	6	21.06.2012	03.10.2012	30.06.14

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	5548	4784	764	-	5548
Providing Feeder main in (m)	1500	54.6	1445.4	-	1500
Construction of UGT (2 nos.) with pump house	100%	30%	70%	-	100%

Financial Progress (in Lakhs)

	12-13	13-14	14-15	Cumulative
Funds Received	353.00	-		353.00
Expenditure	82.00	161.27	101.68	344.95

OKKIAM THORAIPAKKAM (TNSCB) -WSS



10LL UGT CUM PUMP HOUSE AT OKKIAM THORAIPAKKAM - EZHIL NAGAR



10LL UGT PUMP HOUSE - ELECTRO MECHANICAL WORKS AT - OKKIAM THORAIPAKKAM - EZHIL NAGAR

MEENAMBAKKAM WATER SUPPLY SCHEME

Population- 14,629 (year 2044) Streets-16

Fund: Chennai Mega City Development Mission (2011-2012)

G.O.(D) No:31 MA & WS Department Dt:07.02.2012

Source	% of Project Cost	Amount (in lakhs)
GoTN	100%	59.00
Total	100%	59.00

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
59.00	34.14	12	7.09.2012	28.11.2012	27.05.14

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	1885	370	1515	-	1885
HSC (Nos.)	250	-	410	-	410

Financial Progress (in Lakhs)

	12-13	13-14	14-15	Cumulative
Funds Received	2817.00	7136	-	9953
Expenditure	7.55	38.64	6.9	53.09

MEENAMBAKKAM - WSS



LAYING OF 200 MM DIA DI WATER MAIN AT VOC STREET, MEENAMBAKKAM



LAYING OF 200 MM DIA DI WATER MAIN AT KAMARAJ STREET, MEENAMBAKKAM

PERUMBAKKAM WATER SUPPLY SCHEME (DEPOSIT WORK)

Fund: Deposited by TNSCB

Board Resolution No.22/2012.

Source	% of Project Cost	Amount (in lakhs)
TNSCB	100%	107.00
Total	100%	107.00

Estimate value (in crore)	Contract value (in crore)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
107.00	96.19	6	19.07.2012	17.08.2012	30.04.14

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	2520	1920	600	-	2520

Financial Progress (in Lakhs)

	11-12	12-13	13-14	14-15	Cumulative
Funds Received	121.00	-	-	-	121.00
Expenditure	-	-	71.25	7.77	79.02

PERUMBAKKAM WSS (DEPOSIT WORK)



LAYING OF 300MM DIA CI CONVEYING MAIN AT PERUMBAKKAM



PRESSURE TESTING OF 300MM DIA CI CONVEYING MAIN AT PERUMBAKKAM

AMBATTUR WATER SUPPLY SCHEME - JNNURM

Population- 4,42,252 Streets-2350

G.O. No.330, MA&WS Dept, Dt:17.07.09, Rs.26708 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2009	Gol	35 %	9347.80
	GoTn	15 %	4006.20
Intermediate 2024	Local Body	50 %	13354.00
Ultimate 2039	Total	100 %	26708.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
20480.00	18276.62	24	30.09.09	28.10.09	30.06.13

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	502373	89074	320562	73148	19492	97	-	502373
Providing Conveying main in (m)	17726	0	8992	4191	4483	60	-	17726
House service connection in (no)	48800	0	26397	19285	3093	25	-	48800
Construction of OHT	22 no	1 %	73%	18%	8 %	-	-	100%
Construction of UGT	11 no	2 %	48 %	40%	10 %	-	-	100%
Construction of Pump House	19 no	2 %	14 %	74%	10 %	-	-	100%

Financial Progress (in Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	3100.00	9450.00	1360.00	4117.90	1227.45	3575.45	22830.80
Expenditure	4364.48	7798.54	3048.68	979.30	893.91	1541.73	18626.64



OHT AT ATHIPATTU - 5LL



ZONE 15 PUMP HOUSE - PARK ROAD

NERKUNDRAM WATER SUPPLY SCHEME - JNNURM

Population- 1,20,869 Streets-562

G.O. No.(MS)43, MA&WS, (MWI) Dt: 26.2.2010

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2008	Gol	35 %	670.95
	GoTn	15 %	287.55
Intermediate 2023	Local Body	50 %	958.50
Ultimate 2038	Total	100 %	1917.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
1730.00	1460.22	18	28.07.10	24.01.11	31.03.14

Physical Progress

Description	Total Qty	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	66540	48388	2583	8960	756	60687
Conveying main in (m)	1000	-	-	-	-	-
Feeder main in (m)	3672	-	-	-	-	-
Construction of OHT in (no)	4	5%	0.5%	4%	25.50%	35%
Construction of UGT in (no)	1	-	-	-	2.5%	2.5%

Financial Progress (in Lakhs)

	11-12	12-13	13-14	14-15	Cumulative
Funds Received	18.21	608.02	125.16	283.40	1034.79
Expenditure	343.90	150.18	95.48	292.65	882.21



ZONE IV - SRI LAKSHMI NAGAR OHT (5LL)



PILING WORK AT METTUKUPPAM SITE

MADURAVOYAL WATER SUPPLY SCHEME - JNNURM

Population- 1,31,200 Streets-740

G.O.(D) No.407, dated 31.08.2007, Rs. 2330 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2008	Gol	35 %	815.50
Intermediate 2023	GoTn	15 %	349.50
Ultimate 2038	Local Body	50 %	1165.00
	Total	100 %	2330.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	233.00	275.27	15	05.05.08	22.08.08	Completed
II	1910.00	1415.40	24	25.03.10	23.04.10	Feb-2014

Physical Progress of work

Description	Total Qty	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	93763	-	-	35410	52790	5536	-	-	93763
Pumping main in (m)	577	500	77	-	-	-	-	-	577
House service connection in (no)	11407	-	-	250	2335	7495	1327	-	11407
Construction of OHT in (no)	4 no	-	-	47 %	23 %	29 %	1 %	-	100 %

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	200.00	100.00	370.00	125.00	439.99	708.13	-	1943.12
Expenditure	6.60	473.64	501.03	388.74	288.03	177.08	-	1835.12



AALAPAKKAM OHT - 10LL CAPACITY



PUMP HOUSE - PALLAVAN NAGAR

ULLAGARAM PUZHUTHIVAKKAM WATER SUPPLY SCHEME

Population- 1,09,789 Streets-497

G.O (D) No. 619, Dt: 20.12.07, Rs.2424.00Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2008	Gol	35 %	848.40
	GoTn	15 %	363.60
Intermediate 2023	Local Body	50 %	1212.00
Ultimate 2038	Total	100 %	2424.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
2242.00	1750.00	24	21.06.10	09.07.10	31.10.14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	80300	16849	46725	1520	10666	4141	79901
Feeder main in (m)	5650	-	4758	392	440	25	5615
Conveying main in (m)	4050	-	1178	1566	230	876	3840
Construction of OHT (6no)	100%	7 %	36 %	15 %	12 %	25.50%	95.5%
Construction of UGT (6no)	100%	30 %	41 %	29 %	-	-	100%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	303.00	-	314.80	671.22	162.51	-	390.71	1842.24
Expenditure	-	-	347.00	565.92	332.58	54.63	258.22	1558.35



ZONE IV - M.G.NAGAR



UPWSS-ZONE I ANNAI
THERASA NAGAR 5LL OHT



UPWSS-ZONE II MANDAVELLI
BUS STAND 1.5LL UGT & 3LL OHT



THIRUVOTTIYUR WATER SUPPLY SCHEME - JNNURM

Population - 3,78,000 Streets-1235

G.O.No.(2D)No.46,MA&WS Dept.Dt: 02.06.09, Rs.8511.70 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2008	Gol	35 %	2979.10
	GoTn	15 %	1276.75
Intermediate 2023	Local Body	50 %	4255.85
Ultimate 2038	Total	100 %	8511.70

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
8800.00	7120.00	24	06.05.10	20.07.10	31.07.14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	172775	19440	98805	35817	13655	5018	172735
Conveying main in (m)	14220	-	4295	3024	5472	1429	14220
House service connection in (no)	22719	-	9990	3550	191	-	13731
Water Distribution Station(6no)	100%	3 %	27 %	43 %	2 %	0 %	75%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	1064.00	-	-	2185.84	-	-	2978.36	6227.36
Expenditure	-	-	2359.33	-	3040.67	994	1004.53	7398.53



ZONE III - OHT - THIRUVOTTIYUR



ELECTRO MECHANICAL WORKS
ZONE III - ELLAIAMMAN KOIL SITE

AVADI WATER SUPPLY SCHEME - JNNURM

Population- 4,29,000 Streets-1445

G.O. No.20 Dt: 22.01.08, Rs.10384 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2008	Gol	35 %	3634.00
	GoTn	15 %	1558.00
Intermediate 2023	Local Body	50 %	5192.00
Ultimate 2038	Total	100 %	10384.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
10384.00	8329.00	24	09.02.09	27.02.09	31.08.2014

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	341911	78184	172736	59585	17816	9760	-	338081
Conveying main in (m)	18228	5519	5530	3251	3780	24	-	18104
Over head Tank (8 no)	100 %	2 %	77 %	6 %	14 %	0.5%	0.0%	99.5%
Underground Tank (7no)	100%	21 %	68 %	4 %	6 %	0.5%	0.0%	99.5%

Financial Progress (in Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	2500.00	2615.00	1175.00	2285.49	387.29	412.71	9375.49
Expenditure	3898.94	1064.56	1418.21	1697.29	121.77	783.60	8984.37



PACKAGE-III SIVAN KOIL (UGT 3LL OHT 10LL)



PACKAGE-VIII NAGAMMAI NAGAR (7.00ML UGT / PUMPHOUSE)



ALANDUR WATER SUPPLY SCHEME - JNNURM

Population- 2,86,000 Streets-816

G.O (2D) No. 57, MA & WS (MA2) Dept. Dt:23.06.09, Rs.6439.00 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base 2010	Gol	35 %	2253.60
	GoTn	15 %	965.90
Intermediate 2025	Local Body	50 %	3219.50
Ultimate 2040	Total	100 %	6439.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
6439.00	3738.00	24	01.12.2009	23.12.2009	28.02.2014

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Distribution Main in (m)	147560	77045	40875	26360	3283	-	147563
Feeder main in (m)	10804	1500	2800	5091	1413	-	10804
Construction of UGT (5no)	100 %	58 %	30 %	9 %	3 %	-	100%
Construction of OHT (6no)	100%	30 %	28 %	32 %	10 %	-	100%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	809.46	856.89	685.84	1045.15	820.61	306.17	-	4524.12
Expenditure	-	610.31	1185.64	692.45	686.60	239.75	-	1314.75



5.0 LL UGT & PUMPHOUSE
AT SBI COLONY



1.5LL UGT, 5.0 LL OHT & PUMPHOUSE
AT NEETHI STREET

IMPROVEMENT OF WATER SUPPLY SERVICES TO CHENNAI CITY - JNNURM

Beneficiaries - Chennai city

G.O No.42, dt 19.02.2007

Source	% of Project Cost	Amount (in lakhs)
Gol	35 %	11270.00
GoTn	15 %	4830.00
Local Body	50 %	16100.00
Total	100 %	32200.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
32379.00	31266.00	12 to 24	29.08.07	18.10.2007	May-14 (Except Construction of raw water conduits)

Physical Progress

Description	Total Qty	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Construction of WDS	4	29%	34%	21%	14%	1%	1%	-	-	100%
Strengthening of Distribution System	251802	-	49450	59560	28954	47945	35369	19619	2105	243002
LDR Work										
Renewal of Mains	51400	-	-	13593	21113	10919	5775	-	-	51400
Renewal of HSC	8533	-	-	1939	3317	2278	999	-	-	8533
Isolation of Zones by providing valve	722	-	-	54	232	403	33	-	-	722

Financial Progress (in Lakhs)

	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	2012.50	5601.99	5193.14	5192.14	3519.17	1247.33	3196.71	1035.98	26999.66
Expenditure	2033.77	5278.66	8895.57	3128.62	2183.02	1247.33	1135.60	492.20	24394.77



KILPAUK 9 ML CAPACITY OHT



RENEWAL OF HOUSE SERVICE CONNECTION WORKS UNDER LEAK DETECTION & RECTIFICATION

PROVIDING WATER SUPPLY AND SEWERAGE INFRASTRUCTURE ALONG IT CORRIDOR FROM KOTTIVAKKAM TO KELAMBAKKAM - JNNURM

Population- 6,41,000 Streets-12 Sub- Urban nodes

G.O (D) No.106, MAWS dated 13.03.2007.

Year	Source	% of Project Cost	Amount (in lakhs)
	Gol	35 %	1462.00
	GoTn	15 %	626.00
Base 2006	Loan TUFIDCO	25 %	1044.50
Intermediate 2021	Own Contribution	25 %	1044.50
Ultimate 2036	Total	100 %	4177.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
4785.00	4177.00	6 to 12	24.03.07	23.04.07	31.12.13

Physical Progress

Description	Total Qty	08-09	09-10	10-11	11-12	12-13	Cumulative
Water conveying main in (m)	34140	24595	6340	3205	-	-	34140
Water Distribution main in (m)	34000	8140	9804	4356	11700	-	34000
Sewer collection main in (m)	33180	17173	4087	10821	1099	-	33180
Sewer pumping main in (m)	12433	-	-	7469	4664	300	12433
Construction of Head works(1No.)	100 %	-	100%	-	-	-	100%
Construction of STP (2 Nos.)	100 %	-	-	-	-	-	-

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	Cumulative
Funds Received	905.22	783.22	728.32	78.60	15.77	2511.13
Expenditure	1500.11	1134.74	818.71	297.00	41.96	3792.52



LAYING OF PIPE LINE ON OKKIAM MADAGU



LAYING OF PIPE LINE ON OKKIAM MADAGU

MEENAMBAKKAM UNDERGROUND SEWERAGE SCHEME

Population- 14,629 (year 2044) Streets-16

Fund: Chennai Mega City Development Mission (2011-2012)

G.O (D) No.31, MA & WS Department Dt. 07.02.2012

Source	% of Project Cost	Amount (in lakhs)
GoTn	100 %	522.00
Total	100 %	522.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
522.00	222.97	12	07.09.2012	28.11.2012	26.08.2014

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Sewer line (m)	1779	733.3	983.7	62	1779
Manholes (Nos.)	88	53	35	-	88
Pumping main (m)	2680	-	2134	546	2680
Pumping station (1 no.)	100%	-	4%	96%	100%

Financial Progress (in Lakhs)

	11-12	12-13	13-14	14-15	Cumulative
Funds Received	-	2817.00	7136.00	-	9953.00
Expenditure	24.50	195.92	77.12	87.82	385.36



LAYING OF 250 MM DIA STONEWARE PIPE AT BHARATIYAR STREET



MANHOLE CONSTRUCTION AT EVR STREET



MADURAVOYAL UNDERGROUND SEWERAGE SCHEME - JNNURM

Population- 1,31,200 Streets-740

G.O.No.2 (D) 47, dated 02.06.2009, Rs. 5745 Lakhs

Year	Source	% of Project Cost	Amount (in lakhs)
	Gol	35 %	2010.93
Base	2008	GoTn	15 %
Intermediate	2023	Local Body	50 %
Ultimate	2038	Total	100 %
			5745.48

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	3125.00	2177.28	24	28.07.10	15.09.10	31.03.15
II	2971.00	2514.39	24	18.09.09	05.11.09	31.03.15

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Collection Line in (m)	83924	4700	13600	21392	23881	15599	3793	82965
Manholes in (no)	3311	260	663	931	893	490	29	3266
House service connection in (no)	12400	-	1206	2810	3859	3236	1194	12305
Pumping main in (m)	10700	-	1723	1242	2678	3978	1006	10627
Pumping Station in (no)	6	-	16 %	7 %	28 %	32%	10%	93%

Financial Progress (in Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	400.00	350.00	300.00	1293.28	-	2237.06	4580.34
Expenditure	64.85	762.56	441.26	1740.00	304.35	700.47	4013.49



ZONE 3 - PIPELINE WORK AT BHARATHY ST



ZONE 5 - PUMPING STATION
AT GANGA NAGAR - METUKUPPAM

IT CORRIDOR (14 PUMPING STATION) UNDERGROUND SEWERAGE SCHEME - INFRASTRUCTURE & AMENITIES FUND

Population- 6.41 lakhs 12 sub-urban nodes

G.O.(D) No.255, MAWS dated 22.10.2010

Source	% of Project Cost	Amount (in lakhs)
Gol	35 %	982.00
GoTn	15 %	420.00
Infrastructure and basic amenities	50%	1402.5
Total	100 %	2804.50

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
2656.00	2875.00	18	20.09.2010	24.10. 2010	31.03.2014

Physical Progress

Description	Total Qty	10-11	11-12	12-13	Cumulative
Sewer gravity (m)	16120	120	1780	1392	3292
Sewer pumping Main (m)	8627		2509	633	3142
Construction of 14 nos. Sewage pumping stations	100 %		10.60%	27.90%	38.50%

Financial Progress (in Lakhs)

	10-11	11-12	12-13	Cumulative
Funds Received	550.00	-	-	550.00
Expenditure	115.94	367.03	239.49	722.46



CONSTRUCTION OF MANHOLE



CONSTRUCTION OF PUMPING STATION



PORUR UNDERGROUND SEWERAGE SCHEME - JNNURM

G.O.No.2 (2D) 66, Dt: 20.07.09, Rs. 3829 Lakhs

Year	Source	% of Project Cost	Amount (in lakhs)
Base	Gol	35 %	1340.15
	GoTn	15 %	574.35
Intermediate	Local Body	50 %	1914.50
Ultimate	Total	100 %	3829.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
4087.00	3442.31	24	21.06.10	16.09.10	August-14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Collection Line in (m)	60440	6090	9751	9007	15765	10471	51084
Manholes in (no)	2223	333	595	255	536	277	1996
House service connection in (no)	13338	265	1172	351	1896	730	4414
Pumping main in (m)	4107	-	-	1688	1115	904	3707
Pumping Station in (no)	4	5%	16.5%	5.5%	44%	24%	95%

Financial Progress (in Lakhs)

	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	628.00	50.00	823.23	0.00	1577.50	3078.73
Expenditure	150.00	553.54	587.89	530.54	910.31	2732.28



PIPELINE WORK - RAMAKRISHNA NAGAR 7TH AVENUE



PORUR UGSS (ZONE I) PUMPING STATION
RAMAKRISHNA NAGAR

OKKIAM THORAIPPAKKAM UNDERGROUND SEWERAGE SCHEME (Deposit Work) - TNSCB Population- 41,211

Board Resolution No.23/2012

Source	% of Project Cost	Amount (in lakhs)
TNSCB	100 %	213.00
Total	100 %	213.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
213.00	176.00	6	12.04.2012	20.06.2012	30.06.14

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Sewer Line SWP (m)	6147	3432	2715	-	6147
Sewer Line CI (m)	680	110	558	12	680
Manholes in (no)	290	224	65	1	290

Financial Progress (in Lakhs)

	12-13	13-14	14-15	Cumulative
Funds Received	213.00	-	-	213.00
Expenditure	34.90	92.93	76.04	203.87



CONSTRUCTION OF MANHOLE



CONSTRUCTION OF MANHOLES IN PROGRESS



AMBATTUR UNDERGROUND SEWERAGE SCHEME - PHASE- III - JNNURM

Population - 2,57,319 Streets-1100

G.O (2D) No.81, M.A & WS Dept, Dt: 22.05.08, Rs.13091.00 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base	GoI	35 %	4581.85
2009	GoTn	15 %	1963.65
Intermediate	Local Body	50 %	6545.50
2024			
Ultimate	Total	100 %	13091.00
2039			

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
15522.00	12384.00	24	29.06.09	16.09.09	31.03.14

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Collection System in (m)	180879	16634	20338	28760	34460	15649	7445	123286
Manholes in (no)	6860	718	1183	1668	1260	304	157	5290
Pumping main in (m)	41160	710	2100	2982	13896	3033	81	22802
House service connection in (no)	33422	138	3331	9020	0	1413	401	10635
Pumping Station (18 nos)	100%	2%	13%	15%	6.90%	57%	1%	95%

Financial Progress (in Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	350.00	1500.00	2200.00	2341.01	-	2613.73	9004.74
Expenditure	506.67	2045.93	1295.72	2648.68	1624.68	1373.61	9495.29



PUMPING STATION



PIPE LAYING WORK

AMBATTUR UNDERGROUND SEWERAGE SCHEME - PHASE-I - TNUDP III (Balance works) Population- 1,44,700 Streets-597

G.O No. 132, Dated:28.02.2011

Year	Source	% of Project Cost	Amount (In lakhs)
Base	TNUDP Loan		2715.00
	Grant Fund		1000.00
Intermediate	2022	ULB contribution	2860.00
Ultimate	2037	Total	100 % 6575.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
Rs.3586.00	Rs.4131.00	24	15.07.2010	20.07.2010	31.03.2014

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Collection system in (m)	79734	6300	29700	30388	8588	2686	77662
Manholes in (no)	2800	590	1100	1033	34	25	2782
Pumping main in (m)	13680	220	2900	3045	442	6863	13470
House service connection in (nos.)	10500	825	3023	4159	1568	57	9631
Pumping Station (12 nos.) (5 SPS & 7 LS)	100%	5%	35%	56%	4%	0%	100%

Financial Progress (in Lakhs)

	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	1300.00	-	-	4925.00	250.00	6475.00
Expenditure	135.14	1097.64	1759.80	692.67	876.71	4561.96



CONSTRUCTION OF SUCTION WELL AT
SM NARAYANAN NAGAR



PIPE LAYING WORK AT SRINIVASAN
STREET - ZONE 10D

ULLAGARAM PUZHUTHIVAKKAM UNDERGROUND SEWERAGE SCHEME

- JNNURM Population- 1,09,789 Streets-497

G.O (2D) No.70, (MA& WS) Dt: 07.05.08, Rs. 2808.05 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
Base	Gol	35 %	982.82
	GoTN	15 %	421.20
Intermediate	2023 Local Body	50 %	1404.03
Ultimate	2038 Total	100 %	2808.05

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
3401.00	2780.13	24	07.12.10	24.01.2011	31.10.14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer Line in (m)	69327	1459	18241	22315	16870	5511	64396
Manholes in (no)	2484	192	862	700	471	140	2365
Pumping main in (m)	9500	-	2301	3443	1531	612	7887
Pumping Station (3 nos.)	100%	3%	25%	27%	20%	7%	82%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	142.50	208.50	-	947.42	-	556.59	334.99	2190.00
Expenditure	-	-	247.00	432.08	599.31	689.88	215.65	2183.92



Z2 PUMPING STATION AT RAVANAN NAGAR



Z3 PUMPING STATION AT AGS COLONY

PERUNGUDI UNDERGROUND SEWERAGE SCHEME - JNNURM

Population- 1,59,507 Streets-263

G.O (D) No. 544, (MA& WS) Dt:24.12.09, Rs. 2019.24 Lakhs

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2010	Gol	35 %	706.73
		GoTN	15 %	302.89
Intermediate	2025	Local Body	50 %	1009.62
Ultimate	2040	Total	100 %	2019.24

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
2072.00	2195.04	24	20.09.10	24.11.2010	30.11.14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer Line in (m)	38500	2510	16170	7975	3682	3515	33852
Manholes in (no)	1550	240	672	299	127	139	1477
Pumping main in (m)	1140	-	776	150	50	-	976
Pumping Station (3 nos.)	100%	-	19%	16%	7%	23%	65%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	252.40	-	-	903.82	30.31	-	327.47	1514.00
Expenditure	-	-	149.00	341.02	372.90	98.65	154.66	1116.23



ZONE 1 - CONSTRUCTION OF DEEP MANHOLE AT VPK STREET



ZONE 1 -CONSTRUCTION OF MANHOLE AT PANCHAYAT ROAD

PALLIKARANAI UNDERGROUND SEWERAGE SCHEME - JNNURM

Population- 2,14,156 Streets-681

G.O (D) No.544, (MA& WS) Dt:24.12.09, Rs.5861.00 Lakhs.

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2010	Gol	35 %	2051.35
		GoTN	15 %	879.15
Intermediate	2025	Local Body	50 %	2930.50
Ultimate	2040	Total	100 %	5861.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
5253.00	4611.68	24	07.12.10	11.02.2011	31.10.14

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer Line in (m)	92547	198	37631	31568	10639	9343	89379
Manholes in (no)	3571	105	1782	1061	391	145	3484
Pumping main in (m)	13483	-	1679	7060	1604	1633	11976
Pumping Station (4 nos.)	100%	-	15%	57%	6%	11%	89%

Financial Progress (in Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	512.00	-	673.54	1648.68	660.10	-	1021.50	4615.82
Expenditure	-	-	461.00	611.62	1698.38	1841.81	179.91	4792.72



ZONE 4 PUMPING STATION AT
SOLID WASTE MANAGEMENT



ZONE 1 PUMPING STATION AT
MAILLAI BALAJI NAGAR

THIRUVOTTIYUR UNDERGROUND SEWERAGE SCHEME - TNUDP-III

Population- 3,31,000 Streets-372

G.O (D) No.557, Dt: 31.12.09 under TNUDP-III fund.

Revised G.O.Ms.No:12 WS - 2 (MA & WS) Dt:28.01.2013

Year	Source	% of Project Cost	Amount (in lakhs)	
	TNUDP-III Loan	8.9%	781.00	781.00
	Grant by TNUDF	3.4%	300.00	-
Base	2002	Local body contribution & Public contribution	8.2%	719.00 719.00
Intermediate	2017	Additional Grant	79.5	6963.00 5263.00
Ultimate	2032	Total	100 %	8763.00 6763.00

Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
6128.00	5475.00	15 to 24	02.03.07	08.05.07	31.10.14

Physical Progress

Description	Total Qty	07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Collection System in (m)	68542	15326	13144	16995	8996	5437	4093	1205	1722	66918
Pumping main in (m)	8220	-	-	-	-	2055	1015	3650	1500	8220
Manholes in (no)	2609	723	520	721	347	187	22	54	19	2593
House service connection in (no)	62019	4030	10754	17154	17321	8132	767	-	-	58158
Pumping Station (12nos.)	100%	27%	13%	3%	3%	2%	20%	-	10.33%	78.33%
STP	100%	-	-	-	-	-	18%	37%	36.71%	69.71%

Financial Progress (in Lakhs)

	08-09	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	400.00	250.00	520.00	852.00	280.00	-	963	412.64	3677.64
Expenditure	267.63	245.46	418.54	540.11	974.90	372.54	801.92	778.17	4399.27



LAYING OF PIPE SEWER LINE WORK AT T.H. ROAD



THIRUVOTTIYUR STP



MADHAVARAM UNDER GROUND SEWERAGE SCHEME - TNUDP

Population- 1,25,000 Streets-498

G.O(D)No.132, Dt:28.02.2011, Rs.5022 Lakhs.

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2008	Loan from TNUDF	25.47%	1279.00
		Loan from Grant fund	60.73%	3050.00
Intermediate	2023	ULB contribution	13.80%	693.00
Ultimate	2038	Total	100%	5022.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	5022.00	4133.00	24	12.01.09	03.03.09	21.02.14

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer line in (m)	82421	14148	19970	30240	13856	4192	-	82421
Manholes in (no)	2983	507	845	1227	326	78	-	2983
Pumping main in (m)	7954	-	1803	4677	577	897	-	7954
Pumping Station (6 nos.)	100%	7%	13%	45%	24%	11%	-	100%

Financial Progress (In Lakhs)

	08-09	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	20.00	870.00	438.77	700.00	-	2277.50	180.00	4486.27
Expenditure	2.98	320.87	926.69	1236.53	1239.90	985.87	518.51	5231.35



DEEP PIPELINE WORK
AT PERUMAL KOIL STREET



METHA NAGAR - PUMPING STATION

AVADI UNDERGROUND SEWERAGE SCHEME - JNNURM

Population- 4,29,000 Streets-1713

G.O No.62, Dt: 12.04.08, Rs.15805.00 Lakhs.

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2008	Gol	35 %	5531.89
		GoTN	15 %	2370.81
		Local Body	50 %	7902.71
Intermediate	2023			
Ultimate	2038	Total	100 %	15805.41

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	15805.41	17352.00	30	31.12.08	24.02.09	30.09.14

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer line	292581	69839	46444	82809	72618	15139	5519	292368
Manholes in (no)	10796	3113	1539	3137	2305	542	157	10793
Pumping main in (m)	34666	3070	7343	8522	8766	6795	170	34666
Pumping Station (19 nos.)	100%	19%	28%	19%	17%	14%	1%	98%
STP (2 Nos.)	100%	-	-	-	25%	6%	7%	38%

Financial Progress (In Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	2095.00	3050.00	3100.00	3017.49	1766.82	933.18	13962.49
Expenditure	1822.49	3295.86	2291.65	4349.00	1018.93	1880.64	14658.57



PACKAGE - II THIRUKKURAL STREET
(LAYING 600 MM DIA DI PIPE)



PACKAGE - VI - KALAIGNAR NAGAR
PUMPING STATION



THIRUMAZHISAI UNDER GROUND SEWERAGE SCHEME - JNNURM

Population- 37,264 Streets-111

G.O (D) No.544, MA&WS (TP2)Dept. Dt:24.12.09 Rs. 2047.32 Lakhs.

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2010	Gol	35 %	716.56
		GoTN	15 %	307.10
Intermediate	2025	Local Body	50 %	1023.66
Ultimate	2040	Total	100 %	2047.32

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	1952.00	1624.33	24	30.12.09	15.02.10	31.10.13

Physical Progress

Description	Total Qty	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer line (m)	26590	11910	4763	7797	1545	-	26015
Manholes in (no)	1028	620	168	229	12	-	1029
Pumping main in (m)	1971	292	299	1350	254	-	2195
Pumping Station (4 nos.)	100%	42%	25.5%	23.3%	9.20%	0.00	100%
STP (1 No.)	100%	0%	27.5%	46.5%	16%	10%	100%

Financial Progress (In Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	300.00	350.00	270.00	296.25	279.83	468.92	1965.00
Expenditure	168.18	527.58	214.34	330.94	255.04	199.60	1695.68



3 MLD CAPACITY SEWAGE TREATMENT PLANT

TAMBARAM UNDER GROUND SEWERAGE SCHEME - JNNURM

Population- 3,61,000 Streets-995

G.O No.80 (MA&WS) Dept. Dt: 28.05.2009, Rs. 16097 Lakhs.

Year	Source	% of Project Cost	Amount (in lakhs)
	Gol	35 %	5634
Base 2010	GoTN	15 %	2414
Intermediate 2025	Local Body	50 %	8049
Ultimate 2040	Total	100 %	16097

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	17424.00	14464.00	24	30.09.09	11.12.09	31.12.14

Physical Progress

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Sewer line in (m)	176551	6793	48862	26661	13773	14132	8611	118832
Manholes in (no)	6767	474	3188	1009	223	304	169	5367
Pumping main in (m)	22729	-	4939	2165	3786	4979	1309	17178
Pumping Station (17 nos.)	100%	-	24%	13%	3.41%	11%	1%	53%

Financial Progress (In Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	100.00	1960.00	1022.00	2299.00	2160.21	2100.19	9641.40
Expenditure	114.03	2015.17	1138.77	1681.03	688.31	1927.71	7565.02



DIVIDING CHAMBER RAFT COMPLETED WALL REINFORCEMENT WORK UNDER PROGRESS



AIR BLOWER, MCC, HT SUB STATION, TRANSFORMER & DG BUILDINGS COLUMN COMPLETED UP TO ROOF SLAB

KOYAMBEDU 120 MLD SEWAGE TREATMENT PLANT - JNNURM

G.O.Ms.No.188, M.A & W.S. Department, Dated:08.12.2011

Beneficiaries

Chennai City (West) Zone III	- 150.31 MLD
Maduravoyal	- 10.79 MLD
Ambattur Part	- 38.57 MLD
Nerkundram	- 9.38 MLD
Nolambur	- 4.60 MLD
Total	- 213.65 MLD

Existing Plant capacity 94 MLD, Balance requirement 119.65 MLD or Say 120 MLD

Year		Source	% of Project Cost	Amount (in lakhs)
Base	2010	Gol	35 %	4063.50
		GoTN	15 %	1741.50
Intermediate	2025	Local Body	50 %	5805.00
Ultimate	2040	Total	100 %	11610.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	11610.00	7670.71	27	18.05.2012	15.06.2012	Sep-2014

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Civil Works	100	15%	68.33%	15.17%	99%

Financial Progress (In Lakhs)

	12-13	13-14	14-15	Cumulative
Funds Received	1451.12	4706.90	1816.97	7974.99
Expenditure	1078.89	5002.93	2576.04	8657.86



BALANCING TANK



PRIMARY CLARIFIER-I

SHOLINGANALLUR 18 MLD SEWAGE TREATMENT PLANT - JNNURM

Beneficiaries

Solinganallur
and Karappakkam - 8.44 MLD
IT Corridor - 6.00 MLD
Pallikaranai - 10.72 MLD
Expected Sewrage generation 2029: 25.16 MLD

G.O.Ms.No.257, M.A & W.S. Department, Dated:22.10.2010

Source	% of Project cost	Amount (in Lakhs)
Gol	17.0%	463.00
GoTN	7.25%	198.00
I & A	51.5%	1408.00
Local Body	24.3%	662.00
Total	100%	2731.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	3371.00	1770.00	24	14.12.2011	10.05.2012	31.10.2014

Physical Progress

Description	Total Qty	12-13	13-14	14-15	Cumulative
Construction of STP	100%	5%	18%	27%	50%

Financial Progress (In Lakhs)

	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	463.00	198.00	-	464.00	464.00	1589.00
Expenditure	10.06	5.86	2.25	261.78	364.45	644.40



CENTRIFUGE BUILDING



SBR BASIN

NESAPAKKAM STP - JNNURM

Beneficiaries - Part of South West Chennai,
Valasaravakkam, Porur, Mugalivakkam, Manapakkam,
Nandambakkam, Ramavaram

G.O.No.171 dt.23.09.07

Source	% of Project cost	Amount (in Lakhs)
Gol	35 %	1909.95
GoTN	15 %	818.55
Local Body	50 %	2728.50
Total	100 %	5457.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)	Contract Period (in months)	Date of Award	Date of Commencement	Date of Completion
I	5857.00	4843.52	24	29.09.09	10.05.2012	Work completed and testing of various units are in progress

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Construction of STP	100%	8%	34%	42%	8.5%	-	-	92.5%

Financial Progress (In Lakhs)

	09-10	10-11	11-12	12-13	13-14	14-15	Cumulative
Funds Received	682.64	731.34	1211.73	1330.34	237.25	-	4193.30
Expenditure	153.04	1328.60	1921.63	552.74	237.25	-	4193.30



INLET, SCREEN AND DETROITERS



SLUDGE DIGESTOR

KODUNGAIYUR SEWAGE TREATMENT PLANT

The Sewage Treatment Plant at Kodungaiyur is located on the northern periphery of Chennai. The sewage received from North Chennai and part of Central Chennai is being treated as per Pollution Control Board norms in the 3 **sewage treatment plants viz.,** Zone I (80MLD) ,Zone II (80 MLD) and 110 MLD plant. About 200 ML of sewage is being received from 92 sewage pumping stations of north and part of Central Chennai for Treatment daily. Whereas on an average about 165 to 170 ML of raw sewage is treated in the above mentioned 3 numbers of treatment. The balance quantity of 30 to 35 MLD is left in the Buckingham canal without treatment. Out of 35 MLD (i.e) from Tondiarpet 'F' (34 MLD) is left in the Buckingham canal due to pipeline leak under the Vaidyanathan Bridge which is being attended, Krishnamurthy Nagar (0.4 MLD) and Rajarathinam Nagar (0.6 MLD) is left in the Kodungaiyur Canal due to disconnection of pipeline.



CLARIFIER



AERATION TANK



KODUNGAIYUR STP (110 MLD) - DIGESTER



SURFACE AERATORS



ANNEXURE - I

REVENUE COLLECTION OF SECONDARY TREATED SEWAGE SUPPLIED TO INDUSTRIES FOR THE YEAR 2012-13

Sl. No.	Month	Rate /KL Rs.	M/s.CPCL		M/s.MFL		M/s.MPL		Total qty. KL	Total Amt Rs.
			Quantity KL	Amount in Lakhs	Quantity KL	Amount in Lakhs	Quantity KL	Amount in Lakhs		
1	Apr'12	10.75	5,79,615	62.31	2,89,808	31.15	46,640	5.01	9,16,063	98.48
2	May '12	11.90	6,06,130	68.49	3,27,434	37.00	74,004	8.36	10,07,568	113.85
3	Jun'12	11.90	5,79,615	65.50	3,23,088	36.51	72,384	8.18	9,75,087	110.18
4	July '12	11.90	5,98,936	67.68	3,20,641	36.23	65,833	7.44	9,85,410	111.35
5	Aug'12	11.90	5,98,936	67.68	3,07,805	34.78	42,813	4.84	9,49,554	107.30
6	Sep.12	11.90	5,79,615	65.50	2,92,492	33.05	34,170	3.86	9,06,277	102.41
7	Oct.12	11.90	5,98,936	67.68	3,00,075	33.91	46,378	5.24	9,45,389	106.83
8	Nov.12	11.90	5,79,615	65.50	2,91,304	32.92	42,935	4.85	9,13,854	103.27
9	Dec.12	11.90	5,98,936	67.68	3,22,800	36.48	50,437	5.70	9,72,173	109.86
10	Jan.13	11.90	5,98,936	67.68	3,42,630	38.72	42,452	4.80	9,84,018	111.19
11	Feb. 13	11.90	5,40,974	61.13	1,70,500	19.27	42,248	4.77	7,53,722	85.17
12	Mar.13	11.90	5,98,936	67.68	2,99,888	33.89	42,281	4.78	9,41,105	106.34
Total			70,59,180	794.51	35,88,465	403.91	6,02,575	67.83	1,12,50,220	1266.23

ANNEXURE - II

THE YEARLY INCOME FROM SALE OF SECONDARY TREATED EFFLUENT TO VARIOUS INDUSTRIES

Year	Income in Rs Lakhs
2000-01	420.41
2001-02	485.82
2002-03	514.04
2003-04	577.61
2004-05	710.32
2005-06	603.83
2006-07	692.18
2007-08	941.91
2008-09	1073.02
2009-10	1206.57
2010-11	1331.50
2011-12	1328.42
2012-13	1266.23
TOTAL INCOME	11151.86

ANNEXURE -III

POWER PRODUCTS FROM BIO-GAS ENGINE IN 110 MLD STP AT KODUNGAIYUR DURING THE YEAR 2012-13

Month of operation	Power consumption by using Bio Gas engine in KWH	TNEB Rate per MWHr in Rs.	Total Cost Savings from BGE in Rs. (in lakhs)
1	2	3	4
Apr'12	346200	4.50	15,57,900
May'12	91600	4.50	4,12,200
June'12	372900	4.50	16,78,050
July'12	389000	4.50	17,50,500
Aug'12	401000	4.50	18,04,500
Sep'12	396100	4.50	17,82,450
Oct'12	295400	4.50	13,29,300
Nov'12	322900	4.50	14,53,050
Dec'12	391500	4.50	17,61,750
Jan'13	352580	4.50	15,86,610
Feb'13	382300	4.50	17,20,350
Mar'13	374300	4.50	16,84,350
Total	4115780		1,85,21,010

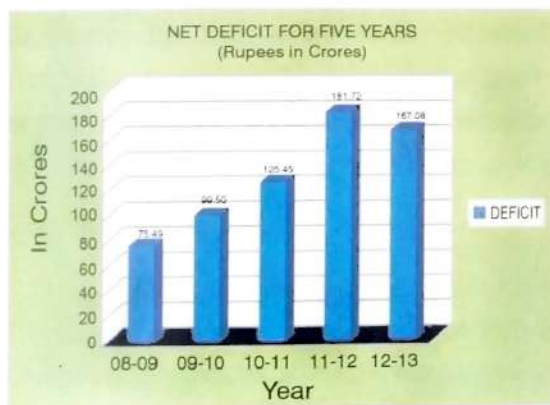


KODUNGAIYUR 110 MLD STP - BIO GAS ENGINE

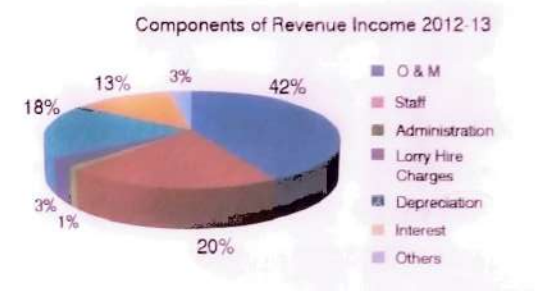
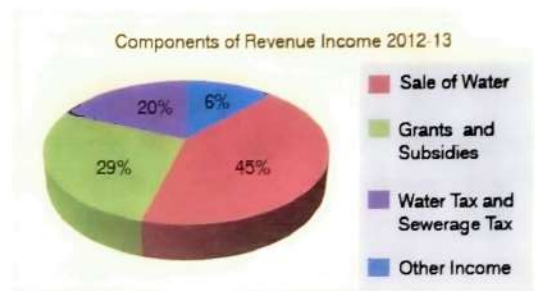
FINANCE

FINANCIAL RESULTS:

The expansion of Chennai City Corporation which resulted in increase in service areas of the Board during the year and substantial increases in employee expenditure and Operation and Maintenance expenditure are the reasons for incurring deficit by the Board for the eight consecutive year. The total income during the year has been to the order of Rs. 607.58 Crores and the expenditure was Rs. 774.66 Crores, resulting in a net deficit of Rs. 167.08 Crores against the deficit of Rs. 181.72 Crores during the previous year (2011-12). The Board has made efforts to maintain the quantum of water supplied due to failure of monsoon during the year due to which it had to incur additional expenses in maintaining the supply line and also to meet the needs of expanded areas under Chennai city.



of the revenue income, whereas the greater share is attributable to water charges as of the previous year, the operation and maintenance expenditure remained the larger component of revenue expenditure due to the expansion of Chennai city. The employee cost remained as the second main component of revenue expenditure as the Board continues to accord high priority to employee's welfare.



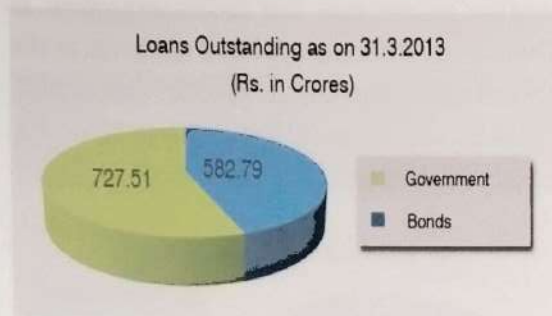
CASH MANAGEMENT:

Cash Management remained a quite heartening feature this year as well. Considering the unprecedented drought, the collection of receivables was quite satisfactory. These achievements could be possible because of the steps taken by the Board to streamline the billing and collection systems further.

PROJECT FINANCING:

Satisfying the growing needs of its consumers in respect of water supply and waste water disposal services is the statutory objective of this Board. In order to cater the needs of expanded areas, the Board has already taken up several developmental works on a massive scale.

Financing all future projects with least cost upper most challenge before the Board. The Board has to heavily depend upon borrowed capital for financing its various projects to provide valuable services to the public.



The Source of finance for the Board is in the form of Government loans, Loans from Institutions and by issue of Bonds. With a view to identify the funding sources that best suited to the Board's project financing needs, cost of borrowings are analyzed on a regular basis and decisions taken. As a result of this, we were able to take some of the least cost funding sources. Many of the financial institutions have evinced keen interest in providing assistance to the Board. During the year TUFIDCO was the Major provider of financial assistance to the Board as of past years.

BILLING AND COLLECTION:

The major sources of revenue to the Board are by way of water and sewerage tax and water and sewerage charges. The water and sewerage tax is levied @ 7% of the annual value fixed by Corporation of Chennai. As and when the annual value of the properties is revised, the tax base for CMWSS Board also increases. The annual demand by way of water and sewerage tax for 2012-13 is Rs. 107.41 Crores.

A sound tariff policy is the back bone for any viable financial management system. The consumers have been classified as (i) Domestic, (ii) Partly Commercial (iii) Commercial - Non water intensive and Water Intensive, (iv) Institutional and (v) Municipal Bulk Supply charge appropriate tariff for different categories of consumers. The annual demand by way of water and sewerage charges for 2012-13 is Rs.259.69 Crores. For maximum revenue mobilization, all efforts are taken to increase efficiency and collection performance and to streamline the billing and collection machinery.



AUDITOR'S REPORT

S. VENKATRAM & CO
CHARTERED ACCOUNTANTS

No. 218, T.T.K. Road,
Alwarpet, Chennai - 600 018
Phone : 24992155 / 6 / 7
Fax : 24670343
E-mail : svco@vsnl.com

AUDITOR'S REPORT TO THE BOARD OF DIRECTORS OF CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

Report on the Financial Statements

1. We have audited the accompanying financial statements of Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), which comprise the Balance Sheet as at March 31, 2013, and the Income and Expenditure Account for the year ended on that date and the Schedules annexed thereto, a summary of significant accounting policies and Notes on Accounts.

Management's Responsibility for the Financial Statements

2. Management is responsible for the preparation of these financial statements that give a true and fair view of the financial position and financial performance of CMWSSB in accordance with the Accounting Standards and CMWSSB Act 1978. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial statements that give a true and fair view and are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

3. Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountants of India. Those Standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

4. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to CMWSSB's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of CMWSSB's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

5. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our Qualified Audit Opinion.

6. Basis for Qualified Opinion

Attention is invited to the following:

- i) Schedule Q - Notes on Balance Sheet - Note No. I - 5b - regarding non recognition of gain on sale of Land to CMRL of Rs.90.34 Crores in Income and Expenditure account for the year ended 31st March 2013 with resultant understatement of Income and overstatement of Excess of Expenditure over income for the above period, overstatement of Contribution and Accumulated Deficit as of 31st March 2013.
- ii) a) Schedule Q - Notes on Balance Sheet - Note No. II - 1a - Grants from Government, regarding non-transferring of respective grant of Rs.3.74 Crores in respect of CCRCP as Contribution from Government, the impact whereof on the accounts are not ascertainable.

b) Schedule Q - Notes on Balance Sheet - Note No. II - 1b - Grants from Government, regarding treatment of grant received from Government for Mega City Project and additional central assistance received under the project JNNURM, Desalination plant at Nemmeli and other projects during the current year as Grants from Government instead of as Contribution as per Accounting Standard (AS) 12 (Revised) issued by the Institute of Chartered Accountants of India(ICAI), the impact whereof on the accounts are not ascertainable.
- iii) Schedule Q - Notes on Balance Sheet - Note No. II - 2 - Grants from Government - regarding accounting of expenditure incurred out of Devolution Fund of Rs.171.47 Crores in the Income and Expenditure account instead of defraying the same from Fund balance, the impact whereof on the accounts are not ascertainable.
- iv) Schedule Q - Notes on Balance Sheet - Note No. VI - 1 - Fixed Assets -regarding non reconciliation of balances outstanding under each head of PIP description as per respective account codes vis a vis the balances outstanding in respective PIP description in Project Department records, the impact whereof on the accounts are not ascertainable
- v) Schedule Q - Notes on Balance Sheet - Note No. VI -5b) - Fixed Assets -regarding non-provision of depreciation at an ad-hoc rate as per accounting policy of CMWSSB in the case of 510 instances of PIPs for aggregate amount of Rs.408.16 Crores where there is no transaction in the account as well as no progress in the projects during the year 2012-13, the impact whereof on the accounts are not ascertainable.
- vi) Schedule Q - Notes on Balance Sheet - Note No. VI - 7 - Fixed Assets -regarding non transfer of ownership of certain fixed assets in the name of CMWSSB, with payment of monetary compensation to the real owners of the said assets which were used by few erstwhile LBs without ownership thereof, the impact whereof on the accounts are not ascertainable.



- vii) Schedule Q - Notes on Balance Sheet - Note No. VI - 8 - Fixed Assets -regarding non write off of Fixed Assets under the head Drought Relief Works for Rs.107.85 Crores due to their probable outliving, with resultant over statement of assets and understatement of excess of expenditure over income for the year ended 31st March 2013 and under statement of accumulate Deficit as of 31st March 2013, for the like amount.
- viii) Schedule Q- Notes on Balance Sheet - Note No. VII -1a-regarding non identification of non moving/obsolete stock with required provision thereof, in the absence ageing analysis of Inventory as of 31st March 2013 , the impact whereof on the accounts is not ascertainable.
- ix) Schedule Q- Notes on Balance Sheet - Note No. VII -2a-regarding non compilation of ageing analysis of Sundry Debtors as of 31st March 2013, and non consideration of provision against long outstanding receivables, the impact whereof on the accounts is not ascertainable.
- x) Schedule Q- Notes on Balance Sheet - Note No. VII -2d-regarding non accounting of Sundry Debtors relating to thirty six erstwhile LBs in the books of CMWSSB, the impact whereof on the accounts is not ascertainable.
- xi) Schedule Q- Notes on Balance Sheet - Note No. VII -4- regarding non reconciliation of HO/Area transaction account with net credit balance of Rs.47.02 Crores, the impact whereof on the accounts is not ascertainable.
- xii) Schedule Q- Notes on Balance Sheet - Note No. VII -5- non-nullification of credit balance of Rs.0.95 Crores in Collection Control Account, the impact whereof on the accounts is not ascertainable.
- xiii) Schedule Q- Notes on Balance Sheet - Note No. VII -6 -non reconciliation of two Bank Accounts (Current Accounts) of Head Office, with debit balance of Rs.14.21 Crores and nine Bank Accounts (Current Accounts) of Area offices, with balance of Rs.4.48 Crores as of 31st March 2013, the impact whereof on the accounts is not ascertainable.
- xiv) Schedule Q- Notes on Balance Sheet - Note No. VII -7- non reconciliation of seventy-one bank accounts of erstwhile LBs aggregating to Rs. 17.99 crores which are closed for which Rs. 14.13 crores has been transferred to CMWSSB with a deficit of Rs. 3.86 crores in its books as of 31st March 2013, the impact whereof on the accounts is not ascertainable.
- xv) Schedule Q- Notes on Balance Sheet - Note No. VII -8b- regarding receipt of Rs.15.73 Crores as against Rs.16.60 Crores towards Fixed deposits of erstwhile LBs with resultant of understatement of Cash and Bank balances and overstatement of Excess Of Liabilities Over Assets transferred from LBs.
- xvi) Schedule Q- Notes on Balance Sheet - Note No. VII -9- regarding non reconciliation of Short Term Deposits with Banks of Rs.260.33 Crores as of 31st March 2013, the impact whereof on the accounts is not ascertainable.

- xvii) Schedule - Q - Notes on Income and Expenditure Account - Note No. I -1-Sale of water - Un metered - Domestic - regarding collection of water charges during the financial year ended 31st March 2013, in added areas as per the rates applicable in the case of erstwhile LBs instead of CMWSSB's rate, the impact whereof on the accounts are not ascertainable.
- xviii) Schedule - Q - Notes on Income and Expenditure Account - Note No. VI -1,2,3- Terminal Benefits to Employees - regarding non provision of actuarial liability in respect of Pension, Gratuity, and Leave Encashment as on 31st March 2013, the impact whereof on the accounts are not ascertainable.
- xix) Schedule - Q -Notes on Income and Expenditure Account - Note No. VI -4a and 4b Employee Benefits to Employees of LBs - regarding non provision of actuarial liability in respect of Pension, Gratuity and Leave Encashment as on 31st March 2013, the impact whereof on the accounts are not ascertainable.
- xx) Schedule Q- Notes on Income and Expenditure Account - Note No. VII-a-regarding CMWSSB moving to Oracle ERP application from COBOL application with effect from 01.04.2003. At the time of such moving the fixed assets were transferred to Oracle ERP application in Blocks, under different category of fixed assets without reckoning the original date of purchase of individual assets. Since CMWSSB follows straight line method of depreciation, this has impacted write off of original cost of individual asset over its life. The effect of this on income and expenditure is not ascertainable.
- xxi) Schedule Q- Notes on Income and Expenditure Account - Note No. VII-b-regarding charging of Depreciation on Bought items of Fixed Assets added during March 2013 which is inconsistent with Accounting Policy of the Board with resultant understatement Fixed Assets and Overstatement of Depreciation, Excess of Expenditure over Income and Accumulated Deficit as 31st March 2013 for Rs.0.03 Crores.
- xxii) Schedule - Q -Notes on Income and Expenditure Account - Note No. VIII - regarding non capitalization of borrowing cost attributable to the qualifying assets for a sum of Rs.17.53Crores being interest on the loans availed from Financial Institutions by erstwhile LBs for the period from 24.10.2011 to 31.03.2013 which has been charged to Income & Expenditure account with resultant understatement of Fixed Assets, Depreciation and Excess of Expenditure over Income and overstatement of Debt Service Charges and Accumulated Deficit as of 31st March 2013.
- xxiii) Schedule - Q - Notes on Balance Sheet - Note No. IX - 1 - Non accounting of Deferred Tax in terms of AS - 22 - issued by the ICAI, the impact whereof on the accounts are not ascertainable.
- xxiv) Schedule - Q - General - Note No. 2 - The financial statements of CMWSSB includes un-audited figures of erstwhile forty two Local Bodies (LBs) (consequent upon the takeover of assets and liabilities of the said LBs by CMWSSB with effect from 24th October 2011),since 31st March 2012.



- xxv) Schedule - Q - General - Note No. 3 - In the Income and Expenditure account of CMWSSB for the year ended 31st March 2013, the income and expenditure of erstwhile LBs and transactions having financial implications on Income and Expenditure account and Balance Sheet are considered for the purpose of consolidation for the period from 24.10.2011 to 31.03.2012, on cash basis, in respect of water and sewerage charges, instead of mercantile system of accounting as per extant accounting policy of CMWSSB, the impact whereof on the Accounts is not ascertainable.
- xxvi) Schedule - Q - General - Note No. 5 - regarding Third party balances which are subject to confirmation and reconciliation, the impact whereof on the accounts is not ascertainable

7. Opinion

In our opinion and to the best of our information and according to the explanations given to us except for the effects of the matters described in the Basis for Qualified Opinion paragraph, the said Balance Sheet and the Income and Expenditure Account read together with the Notes thereon and Schedules attached thereto give a true and fair view, in conformity with the accounting principles generally accepted in India.

- i) in the case of Balance Sheet ,of the state of affairs of CMWSSB as at 31st March 2013, and
- ii) in the case of the Income and Expenditure Account of the Deficit (Excess of Expenditure over Income) of CMWSSB for the year ended on that date.

On behalf of the Board

Place : Chennai
Date : 23.5.2014

For S.VENKATRAM & CO.
Chartered Accountants
FRN : 04656S

R.KANDAVELU
PARTNER
M.No.12811

BALANCE SHEET AS ON 31.03.2013

DESCRIPTION	SCHEDULE	2012-13 Rs.	2011-12 Rs.
LIABILITIES			
Contributions	A	14,23,71,92,420	12,31,77,46,006
Grants From Government	B	19,39,42,18,305	14,85,62,26,488
Long Term Borrowings	C	13,10,29,67,530	13,70,31,54,271
Deferred Credits & Deposits	D	8,12,07,56,329	8,61,16,93,016
Current Liabilities & Provisions	E	9,00,42,63,346	8,40,04,00,692
Total		63,85,93,97,930	57,88,92,20,473
ASSETS			
Fixed Assets	F	48,57,09,20,341	44,80,87,37,708
Current Assets, Loans, Advances & Deposits	G	9,69,97,69,907	9,16,25,98,525
Accumulated Deficit		5,58,87,07,682	3,91,78,84,240
Total		63,85,93,97,930	57,88,92,20,473

As per our report of even date
for and on behalf of
S.Venkatram & Co
Chartered Accountants
FRN : 046565

On behalf of the Board

-Sd-
C. ARUMUGAM, I.A & A.S.,
FINANCE DIRECTOR

-Sd-
Dr. B. CHANDRA MOHAN, I.A.S.,
MANAGING DIRECTOR

-Sd-
R.KANDAVELU
PARTNER
M.NO.12811

PLACE : CHENNAI
DATE : 23.5.2014



INCOME AND EXPENDITURE FOR THE YEAR ENDED 31.03.2013

DESCRIPTION	SCHEDULE	2012-13 Rs.	2011-12 Rs.
INCOME			
Sale Of Water & Sewerage Charges	H	2,59,68,63,064	2,37,68,35,424
Grants And Subsidies		1,76,15,43,079	1,17,48,37,500
Water Tax And Sewerage Tax	I	1,07,41,00,145	1,03,69,22,939
Other Income	J	64,32,86,347	69,84,82,849
Provisions Written Back			
- Water Charges Unmetered			26,54,209
- Taxes			1,17,89,284
Excess Of Expenditure Over Income		1,67,08,23,443	1,81,72,02,620
TOTAL		7,74,66,16,078	7,11,87,24,825
EXPENDITURE			
Operating And Maintenance Expenditure	K	3,27,29,76,874	2,63,26,64,784
Payments And Provisions To Employees	L	1,53,71,34,602	1,58,66,19,841
Office Administrative Expenses	M	6,72,85,013	6,35,13,502
Prior Period Adjustment	N	24,16,57,035	32,64,58,390
Water Lorry Hire Charges		25,20,34,355	19,47,95,912
Depreciation		1,38,43,37,397	1,30,14,94,303
Debt Service Charges	O	96,04,56,094	93,98,78,132
Provision For Doubtful Debts			
- Water Charges Metered		1,76,79,585	7,32,99,961
- Water Charges Unmetered		21,26,277	0
- Taxes		1,09,28,846	0
TOTAL		7,74,66,16,078	7,11,87,24,825

As per our report of even date
for and on behalf of
S.Venkatram & Co
Chartered Accountants
FRN : 046565

On behalf of the Board

-Sd-

C. ARUMUGAM, I.A & A.S.,
FINANCE DIRECTOR

-Sd-

Dr. B. CHANDRA MOHAN, I.A.S.,
MANAGING DIRECTOR

-Sd-

R.KANDAVELU
PARTNER
M.NO.12811

SCHEDULES

SCHEDULE - A

CONTRIBUTION	2012-13 Rs.	2011-12 Rs.
Contribution From Government	4,87,96,58,365	4,87,96,58,365
Contribution From Public	5,98,07,70,934	5,34,74,70,342
Excess of Assets Over Liabilities Transferred From C.M.C	15,91,67,365	15,91,67,365
Excess of Assets Over Liabilities Transferred From P.W.D	5,18,87,380	5,18,87,380
Excess of Assets Over Liabilities Transferred From Adhoc Board	8,42,252	8,42,252
Excess Of Liabilities Over Assets Transferred From Ulb's	-38,95,47,883	-57,99,73,283
Capital Reserves	2,55,35,33,755	1,46,19,87,861
Funds	1,00,08,80,252	99,67,05,724
TOTAL	14,23,71,92,420	12,31,77,46,006

SCHEDULE - B

GRANTS FROM GOVERNMENT	2012-13 Rs.	2011-12 Rs.
Second Chennai Project	1,37,37,90,001	1,37,37,90,001
Ccrp	3,51,59,00,000	3,51,59,00,000
Jnnurm	1,83,95,65,885	1,70,93,50,885
Desalination Plant At Nemmeli	5,98,00,00,000	4,57,00,00,000
Others	3,79,23,89,414	1,24,68,45,497
Ulb Grants	1,17,78,31,084	1,17,78,31,084
Devolution Fund	1,71,47,41,921	1,26,25,09,021
TOTAL	19,39,42,18,305	14,85,62,26,488

SCHEDULE - C

LONG TERM BORROWINGS	2012-13 Rs.	2011-12 Rs.
Loans From Government	7,27,51,13,540	7,27,51,13,540
Bonds	0	8,33,33,335
Loan From Financial Institutions	5,82,78,53,990	6,34,47,07,396
TOTAL	13,10,29,67,530	13,70,31,54,271



INCOME AND EXPENDITURE FOR THE YEAR ENDED 31.03.2013

DESCRIPTION	SCHEDULE	2012-13 Rs.	2011-12 Rs.
INCOME			
Sale Of Water & Sewerage Charges	H	2,59,68,63,064	2,37,68,35,424
Grants And Subsidies		1,76,15,43,079	1,17,48,37,500
Water Tax And Sewerage Tax	I	1,07,41,00,145	1,03,69,22,939
Other Income	J	64,32,86,347	69,84,82,849
Provisions Written Back			
- Water Charges Unmetered			26,54,209
- Taxes			1,17,89,284
Excess Of Expenditure Over Income		1,67,08,23,443	1,81,72,02,620
TOTAL		7,74,66,16,078	7,11,87,24,825
EXPENDITURE			
Operating And Maintenance Expenditure	K	3,27,29,76,874	2,63,26,64,784
Payments And Provisions To Employees	L	1,53,71,34,602	1,58,66,19,841
Office Administrative Expenses	M	6,72,85,013	6,35,13,502
Prior Period Adjustment	N	24,16,57,035	32,64,58,390
Water Lorry Hire Charges		25,20,34,355	19,47,95,912
Depreciation		1,38,43,37,397	1,30,14,94,303
Debt Service Charges	O	96,04,56,094	93,98,78,132
Provision For Doubtful Debts			
- Water Charges Metered		1,76,79,585	7,32,99,961
- Water Charges Unmetered		21,26,277	0
- Taxes		1,09,28,846	0
TOTAL		7,74,66,16,078	7,11,87,24,825

As per our report of even date
for and on behalf of
S.Venkatram & Co
Chartered Accountants
FRN : 04656S

On behalf of the Board

-Sd-
C. ARUMUGAM, I.A & A.S.,
FINANCE DIRECTOR

-Sd-
Dr. B. CHANDRA MOHAN, I.A.S.,
MANAGING DIRECTOR

-Sd-
R.KANDAVELU
PARTNER
M.NO.12811

SCHEDULES

SCHEDULE - A

CONTRIBUTION	2012-13 Rs.	2011-12 Rs.
Contribution From Government	4,87,96,58,365	4,87,96,58,365
Contribution From Public	5,98,07,70,934	5,34,74,70,342
Excess of Assets Over Liabilities Transferred From C.M.C	15,91,67,365	15,91,67,365
Excess of Assets Over Liabilities Transferred From P.W.D	5,18,87,380	5,18,87,380
Excess of Assets Over Liabilities Transferred From Adhoc Board	8,42,252	8,42,252
Excess Of Liabilities Over Assets Transferred From Ulb's	-38,95,47,883	-57,99,73,283
Capital Reserves	2,55,35,33,755	1,46,19,87,861
Funds	1,00,08,80,252	99,67,05,724
TOTAL	14,23,71,92,420	12,31,77,46,006

SCHEDULE - B

GRANTS FROM GOVERNMENT	2012-13 Rs.	2011-12 Rs.
Second Chennai Project	1,37,37,90,001	1,37,37,90,001
Ccrp	3,51,59,00,000	3,51,59,00,000
Jnnurm	1,83,95,65,885	1,70,93,50,885
Desalination Plant At Nemmeli	5,98,00,00,000	4,57,00,00,000
Others	3,79,23,89,414	1,24,68,45,497
Ulb Grants	1,17,78,31,084	1,17,78,31,084
Devolution Fund	1,71,47,41,921	1,26,25,09,021
TOTAL	19,39,42,18,305	14,85,62,26,488

SCHEDULE - C

LONG TERM BORROWINGS	2012-13 Rs.	2011-12 Rs.
Loans From Government	7,27,51,13,540	7,27,51,13,540
Bonds	0	8,33,33,335
Loan From Financial Institutions	5,82,78,53,990	6,34,47,07,396
TOTAL	13,10,29,67,530	13,70,31,54,271



SCHEDULE - D

DEFERRED CREDITS AND DEPOSITS	2012-13 Rs.	2011-12 Rs.
Deposits From Public:		
- Service Connections - Sew.	36,09,32,018	63,33,02,357
- General Works	5,66,06,05,762	5,28,28,03,719
- MLA Constituency Development Scheme	2,25,18,408	2,25,18,408
- Madurai Kumbakonam	1,44,09,06,870	1,44,09,06,870
Sec. Deposits & Retention Money:		
A. Retention Money:		
- Suppliers	1,65,46,048	59,94,701
- Contractors	59,88,45,649	57,05,91,392
B. Security Deposits:		
- Staff	1,08,31,539	51,60,066
- Contractors	95,70,035	95,85,388
Advance For Sale Of Land	0	64,08,30,115
TOTAL	8,12,07,56,329	8,61,16,93,016

SCHEDULE - E

CURRENT LIABILITIES & PROVISIONS	2012-13 Rs.	2011-12 Rs.
Sundry Creditors:		
- Suppliers	25,99,49,226	7,71,06,096
- Contractors	90,35,16,782	71,52,00,456
- Expenses	22,82,15,817	16,10,71,967
Interest Accured:		
- Government Loans	5,03,15,20,860	4,44,51,73,081
- Bonds	0	11,29,212
- Financial Institutions	27,67,26,232	10,36,30,773
Other Liabilities - Staff	1,37,64,47,346	1,33,30,88,562
Others	92,78,87,083	1,56,40,00,545
Total	9,00,42,63,346	8,40,04,00,692

SCHEDULE - F

FIXED ASSETS	Rs.	2012-13 Rs.	2011-12 Rs.
A. Water Supply At Cost	26,37,34,13,798		
Less: Depreciation	9,56,40,44,135	16,80,93,69,663	16,63,82,16,458
B. Sewerage At Cost	9,32,09,23,394		
Less: Depreciation	4,30,78,13,524	5,01,31,09,870	5,20,73,09,626
C. General At Cost	60,13,78,805		
Less: Depreciation	43,90,97,005	16,22,81,800	14,99,59,028
D. Project In Progress			
1. Water Supply			
Deposit Works	3,92,27,86,262		
Other Works	12,02,94,13,070	15,95,21,99,332	14,05,92,00,602
2. Sewerage			
Deposit Works	5,13,41,25,579		
Other Works	4,27,20,68,314	9,40,61,93,893	7,51,01,00,646
3. General		14,92,77,531	16,54,63,096
E. Drought Relief Works		1,07,84,88,252	1,07,84,88,252
Total		48,57,09,20,341	44,80,87,37,708



SCHEDULE - G

CURRENT ASSETS, LOANS, ADVANCES & DEPOSITS		Rs.	2012-13 Rs.	2011-12 Rs.
A. Inventory			17,48,40,073	9,15,45,577
B. Sundry Debtors				
1. Water Charges Metered	40,29,96,510			
Less: Prov. For Doubtful Debts	9,06,10,314		31,23,86,196	18,30,27,888
2. Water Charges Unmetered	30,12,74,278			
Less: Prov. For Doubtful Debts	18,08,21,525		12,04,52,753	9,35,42,327
3. Tax	1,02,94,95,095			
Less: Prov. For Doubtful Debts	6,23,46,251		96,71,48,844	87,17,89,234
4. Due From Public Authorities			2,14,34,207	2,17,59,391
5. Debtors Ctrl -mob. Water Sup-govt			27,70,14,110	25,74,14,078
6. Debtors Ctrl -sewerage Service Chr			20,18,58,088	21,18,35,739
7. Debtors Contraol - Water Supply Others			7,219	7,230
8. Centage Receivable A/c			12,38,12,000	0
9. Cmwwsb Group Gratuity Trust			-47,85,682	49,87,669
10 Tax Deducted At Source			2,97,62,653	1,97,98,898
11. Debtors - Control Surcharges			93,96,834	-1,02,121
12. Debtors Control - Dis Cheque			50,183	42,589
13. Debtors Control - Raw Sewage			12,70,751	12,70,751
14. Receivables From Cmc - Added Areas			1,20,10,000	1,20,10,000
15. Fund Receipts - Newly Added Areas			0	-26,82,193
C. Cash And Bank Balances				
1. Head Office/area-transactions			-47,01,70,346	-17,46,98,853
2. Collection Control			94,88,317	12,76,240
3. Cur A/c With Scheduled Banks			32,05,95,430	1,37,39,46,351
4. Balances With Rbi			1,56,07,37,455	1,48,72,05,014
5. Short-term Dep. With Scheduled Banks			3,20,82,50,398	2,27,47,46,060
6. Cash In Hand			41,929	54,989
7. Bank Amounts Receivable From Ulb's			4,12,73,304	4,12,73,304
8. Imprest Account - Adv To Staff			45,261	30,370

SCHEDULE - G

(Contd...)

D. Loans And Advances

1. Contractors	10,38,02,711	6,07,84,760
2. Suppliers	1,14,95,265	23,66,257
3. Expenses	81,62,835	73,79,407
4. Employees	9,88,10,965	10,91,37,947
5. Others	4,99,450	4,99,450

E. Deposits And Investments

A. Staff

1. Spl P.F. Investments	5,13,13,489	4,34,80,847
2. G.P.F Investments	63,42,84,835	51,62,34,097
3. Pension Fund Investment	91,15,11,549	62,04,52,134
4. Inv. On Cmwwsb Emp. Spl Med Fund	1,29,41,416	1,11,90,699
5. Accident Coverage Investment	72,35,950	69,07,828
6. Interest Accrued - Others	-3,59,97,373	10,16,76,169
7. Interest Accrued - Cps Fund Investments	41,08,660	32,82,644
8. Interest Accrued - Pension Investments	-2,43,05,192	5,83,59,498

B. Others

1. Deposits	7,27,83,443	7,77,56,822
2. Trust And Retention Investment	40,47,38,633	36,62,61,431
3. Fixed Asset Renew. Fund Investment	52,14,63,294	40,67,48,003

Total	9,69,97,69,907	9,16,25,98,525
-------	----------------	----------------



SCHEDULE - H

SALE OF WATER & SEWERAGE CHARGES	2012-13 Rs.	2011-12 Rs.
Metered:		
Domestic	19,96,41,233	18,74,43,439
Commercial	1,25,04,32,553	1,01,49,24,032
Institutional	14,66,94,583	13,69,38,162
Municipalities	2,66,79,961	6,98,74,941
Unmetered:		
Domestic	29,05,79,219	27,83,78,143
Commercial	17,76,29,714	17,57,79,993
Institutional	21,67,200	21,44,200
Sale Of Treated Sew. Water	12,12,58,413	13,81,46,313
Mobile Water Supply	16,91,28,038	16,18,71,497
Sewerage Charges	21,26,52,150	21,13,34,704
Total	2,59,68,63,064	2,37,68,35,424

SCHEDULE - I

WATER & SEWERAGE TAX	2012-13 Rs.	2011-12 Rs.
Water Tax	23,01,75,023	22,16,57,477
Sewerage Tax	84,39,25,122	81,52,65,462
Total	1,07,41,00,145	1,03,69,22,939

SCHEDULE - J

OTHER INCOME	2012-13 Rs.	2011-12 Rs.
Sale Of Scrap	25,43,150	1,84,52,789
Interest From Banks	6,39,23,514	15,90,06,488
Interest From Others	6,91,23,993	4,93,53,379
Sale Of Tender Forms	3,75,000	4,52,400
Liquidated Damages	25,32,115	0
Consultancy Charges Earned	0	71,73,590
Other Miscellaneous Income	50,47,88,575	46,39,23,203
Sale Of Farm Produce	0	1,21,000
Total	64,32,86,347	69,84,82,849

SCHEDULE - K

OPERATING AND MAINTENANCE EXPENSES	2012-13 Rs.	2011-12 Rs.
A. Operating Expenses		
Power	73,61,08,985	63,34,13,459
Chemicals	5,11,18,023	5,61,31,280
Fuel & Lubricants	6,08,58,541	3,52,61,407
Loose Tools	26,61,106	21,00,707
Freight & Insurance	52,726	62,065
Sewerage Lorry Hire Charges	1,78,65,372	1,14,65,593
Desilting	3,02,52,393	3,12,05,992
Other Operating Expenses	1,56,08,69,303	1,28,09,85,040
	2,45,97,86,449	2,05,06,25,543
B. Repairs And Maintenance		
Pipe Lines, Pumping Plants & Other Equipments	44,02,67,161	30,38,31,747
Building & Civil Works	12,93,74,258	9,12,96,260
Vehicles	13,11,404	12,13,987
Other Repairs & Maintenance	24,22,37,602	18,56,97,247
	81,31,90,425	58,20,39,241
Total	3,27,29,76,874	2,63,26,64,784



SCHEDULE - L

PAYMENTS & PROVISIONS TO EMPLOYEES	2012-13 Rs.	2011-12 Rs.
Salaries, Wages & Allowances	1,83,00,20,120	1,89,49,80,366
Employees Welfare Expenses	16,56,36,429	10,43,54,108
Contribution To Deputationists	6,22,155	-4,97,145
	1,99,62,78,704	1,99,88,37,329
Less: Project Appropriation	45,91,44,102	41,22,17,488
Total	1,53,71,34,602	1,58,66,19,841

SCHEDULE - M

OFFICE AND ADMINISTRATIVE EXPENSES	2012-13 Rs.	2011-12 Rs.
Office Expenses:		
Rent, Rates & Taxes	47,02,389	39,52,506
Electricity	1,13,51,495	1,03,87,931
Wireless & Mass Comm. Charges	1,88,994	2,17,938
Telephone Charges	91,22,273	98,00,456
Postage & Telegram	50,48,450	38,66,160
Printing & Stationery	68,40,685	84,29,052
Exhibition & Publicity	17,42,817	20,25,219
Other Office Expenses	1,28,45,088	66,05,482
Travel And Conveyance	2,60,21,589	2,28,91,525
Administrative Expenses:		
Audit Fees	1,65,450	1,12,360
Legal Charges	23,54,386	83,36,829
Consultancy Fees & Expenses	19,50,000	52,038
Bank Charges	73,27,229	77,59,353
Honorarium	2,000	1,000
Bonds Issue Expenditure	18,092	1,96,445
Other Administrative Expenses	64,40,510	60,53,224
	9,61,21,447	9,06,87,518
Less: Project Appropriation	2,88,36,434	2,71,74,016
Total	6,72,85,013	6,35,13,502

SCHEDULE - N

PRIOR PERIOD ADJUSTMENT ACCOUNT	2012-13 Rs.	2011-12 Rs.
Debit:		
Water And Sew. Tax	4,17,54,795	22,65,41,911
Water Charges Unmetered	1,28,76,761	6,46,82,806
Water Charges Metered	1,08,39,303	1,47,28,115
Sewer Charges	64,22,466	3,03,31,030
Interest	5,87,82,004	99,94,367
Liquidated Damages	41,65,000	0
Retention Money	0	8,66,11,538
Security Deposit	0	40,650
Da Arrears	0	96,37,984
Depreciation	30,59,83,821	3,68,17,839
Sub Total 'A'	44,08,24,150	47,93,86,240
Credit:		
Water And Sew. Tax	2,71,73,283	7,93,27,457
Water Charges Unmetered	1,87,17,324	2,66,55,538
Water Charges Metered	6,87,00,367	1,36,93,389
Sewer Charges	41,80,505	1,31,46,856
Interest	0	59,96,249
Depreciation	8,03,95,636	1,41,08,361
Sub Total 'B'	19,91,67,115	15,29,27,850
Total (A - B)	24,16,57,035	32,64,58,390

SCHEDULE - O

DEBT SERVICE CHARGES	2012-13 Rs.	2011-12 Rs.
Interest:		
Government Loans	58,63,47,779	58,63,47,781
Financial Institutions	39,46,77,717	36,95,05,102
Bonds	11,29,211	94,24,249
	98,21,54,707	96,52,77,132
Less: Interest Capitalization	2,16,98,613	2,53,99,000
Total	96,04,56,094	93,98,78,132



SCHEDULE - P: SIGNIFICANT ACCOUNTING POLICIES

1) Accounting Concepts:

The financial statements are prepared under the historical cost convention and on "Going Concern" basis. CMWSSB follows mercantile system of accounting.

Contribution from Public – The amount received from the public during the previous financial year towards water/sewer connections is transferred during the subsequent financial year to Contribution from Public.

2) Inventory Valuation:

Stores materials are valued at Weighted Average Cost method.

3) Events occurring after Balance Sheet date:

Events occurring after the Balance Sheet date are those that occur between the Balance Sheet date and the date on which the financial statements are compiled/ approved.

4) Prior period Items:

Income / Expenditure which arises in the current year as a result of omissions in the preparation of financial statements of earlier years are treated as prior period item. Prior period expenses and income have been recognized as per accounting requirements. In addition to that income/expenses relating to previous year which materializes during the current year have also been considered as prior period items.

5) Depreciation:

Depreciation on Fixed Assets is charged on Straight - Line Method (SLM) basis, as per the rates approved by CMWSSB's Board. Depreciation is charged for the full year if assets are brought to accounts before 30th September and for half year if the assets are brought to accounts during 1st October to 28th February. Additions made during the month of March are ignored. Depreciation on Assets completed and put to use included in Project-In-Progress (PIP), for which Completion Report is awaited, is charged at an adhoc rate of 5%, on SLM basis.

6) Revenue Recognition:

CMWSSB follows mercantile system of accounting and recognizes income and expenses on accrual basis, including provisions / adjustments for committed obligation and amounts determined as payable or receivable during the year excepting, interest on loans to staff and terminal benefits payable to employees, which is accounted on cash basis.

7) Provision For Doubtful Debts:

The provision for Doubtful Debts on Sundry Debtors for Water Charges and Taxes is made/written back, on the differential amount, at 20% and 10% for metered and un-metered Debtors respectively and at 10% for Taxes.

8) **Fixed Assets:**

Fixed Assets are stated at cost of acquisition / construction, less accumulated Depreciation. Cost is inclusive of the expenditure for installation and erection in bringing Fixed Assets to usable condition. Project-In-Progress (PIP) is accounted with expenses incurred thereon, based on progress of the Project. Salaries, Wages & Allowances, Office expenses & Administrative expenses and Fuel & Lubricants are appropriated to PIP at percentages fixed by the Board.

9) **Grants:**

Grants from Government are shown separately. No repayment is envisaged in respect of such grants.

10) **Investments:**

Investments are generally in the form of Fixed Deposits with the Banks which are accounted on the basis of Principal deposit amount. The interest earned on the Fixed Deposits is credited to Income and Expenditure Account, excepting those Fixed Deposits which belong to specific Funds/Projects, in which case the interest earned is credited to respective Funds /Projects account.

11) **Retirement Benefits to Employees:**

The Terminal Benefits payable to Employees are accounted on cash basis.

12) **Borrowing costs:**

The borrowing cost attributable to qualifying assets is capitalized.

13) **Contingent Liabilities :**

Claims against CMWSSB not acknowledged as debts are disclosed as Contingent Liabilities depending on facts of each case and after due evaluation of relevant legal aspects.



SCHEDULE - Q

NOTES ON ACCOUNTS FOR THE YEAR ENDED

31ST MARCH 2013 NOTES ON BALANCE SHEET:

I. SCHEDULE - A - CONTRIBUTION :

1. Contribution from Government :

- a. The balance outstanding in the above account as of 31st March 2013 is Rs.487.97 Crores.
- b. Out of the above Rs 459.71 Crores, remains at the same level as that of previous year.
- c. The above account head includes an amount of Rs.28.26 Crores in respect of erstwhile three Local Bodies (LB) viz., Alandur, Kathivakkam, Thiruvotriyur with balances of Rs.24.29 Crores, Rs.0.21 Crores and Rs.3.76 Crores respectively.

2. Contribution from Public :

- a. Rs. 42.37 Crores (Previous Year – Rs. 41.51 Crores) being amount received from the Public during the last financial year, towards Water/Sewer connections has been transferred to 'Contribution from Public' during the current year.
- b. Rs.20.96 Crores which remained under the account Deposits from Public in the books of erstwhile LBs as of 31st March 2012 has been transferred to 'Contribution from Public' during the current year.

3. Excess of Assets over Liabilities :

The amounts representing Excess of Assets over Liabilities transferred from CMC, PWD and Ad-hoc Board for Rs.15.92 Crores, Rs.5.19Crores and Rs.0.08 Crores respectively remain outstanding since long. These amounts are shown in Schedule A - Contribution, as per the practice in the prior years.

4. Excess of Liabilities over Assets :

Excess of Liabilities over Assets transferred from erstwhile forty two LBs aggregate Rs.38.95 Crores as of 31st March 2013 (Previous Year Rs.57.99 Crores). This amount is shown in Schedule A - Contribution, as per the practice in the previous year.

5. Capital Reserves :

- a. An amount of Rs.18.81 Crores (Previous Year Rs. 19.73 Crores) received towards Infrastructure Development Charges through Chennai Metropolitan Development Authority (CMDA) from applicants directly during the year has been credited to Capital Reserve Account.
- b. Compensation for sale of Land – Rs.90.35 Crores (Previous year – Rs.64.08 Crores)

An amount of Rs.90.35 Crores has been received for sale of Land to CMRL for Metro Rail Project admeasuring 5.604 acres in Koyembedu and three other places in Chennai, as under during the year 2010 to 2013.

Financial year	Amount (Rs. in Crores)
2010-11	12.40
2011-12	51.68
2012-13	26.27
Total	90.35

The compensation amount has been arrived on the basis of Guide Line Value agreed upon with CMRL after joint survey. As per the original valuation report of the year 1978 the Land cost in Koyembedu was Rs.43,658.23 per hectare. Accordingly total Land cost for 22,678 sq mt works out to Rs.99,008 for Land sold in Koyembedu as well as in three other areas, which is reckoned as Book Value of the Land sold to CMRL. The difference between Guide Line Value and Book Value Rs.90.34 Crores (Rs.90.35 Crores less Rs.0.01 Crores) is treated as Capital Reserve.

6. Fund:

The Fund represents Fixed Assets Renewal Fund for Rs. 100.09 Crores for which investments are made to the extent of Rs.52.15 Crores. The balance in the Fund Account represents non-appropriation of the fund towards additions to Fixed Assets in earlier year/s.

II. SCHEDULE - B - GRANTS FROM GOVERNMENT :

1. Grants from Government

- a. The Grants received for various Projects from Government viz. Second Chennai project (SCP), Chennai City River Conservation Project (CCRCRP), Urban Local Bodies (ULB) Grants etc is shown separately. In respect of CCRCP, a sum of Rs.3.74 Crores was transferred from PIP to Fixed Assets during the current year, as per the practice consistently followed.
- b. Grant of Rs.28.17 Crores has been received from Government for Mega City project. New Grant for Mega City Project as well as additional central assistance received under the projects of JNNURM, Desalination Plant at Nemmeli and Others during the current year, remain to be considered as Contribution as of 31st March 2013, though in these cases the Grants are in the nature of Promoter's Contribution.
- c. **Grants from Government (LBs) - Rs.233.70 Crores (Previous Year - Rs.117.78 Crores) :**
 - i) The above amount of Rs.233.70 Crores includes opening balance of Grants from Government received by the following erstwhile LBs for Rs.117.78 Crores for various projects carried out/in progress.



In merged Area	Local Body	Amount (Rs. in Crores)
I	Thiruvotriyur	19.70
III	Madhavaram	13.33
VII	Ambattur	47.58
XI	Valasaravakkam	16.64
XII	Alandur	6.45
XIV	Perungudi	14.08
	Total	117.78

- ii) A further grant of Rs 115.92 Crores has been received from the Government during the year 2012-13.

2. Devolution Fund - Rs. 171.47 Crores (Previous Year - Rs. 126.25 Crores) :

Grants at fixed percentage from State's tax revenue, received for general public utilization is accounted in Devolution Fund, which is to be utilized for Development Schemes. During the year ended 31st March 2013 a Grant of Rs.45.22 Crores (Previous year - Rs.36.88 Crores) was received.

3. Grant for Augmentation of 15 TMC of water Chennai City- Rs. 105.60Crores (Previous Year - Rs. Nil Crores) :

Grant from Government - others includes a sum of Rs.105.60 Crores has been received as Grant from Government during the current financial year for the proposed project for augmentation of water supply to Chennai city.

4. Grant for Mega Chennai Project - Rs. 28.17 Crores (Previous Year - Rs. Nil Crores):

A sum of Rs.28.17 Crores has been received as Grant from Government for Mega Chennai Project during the year 2012-13, out of total Grant of Rs.189 Crores sanctioned for the said Project.

III. SCHEDULE - C - LONG TERM BORROWINGS :

1. Loans from Government - Rs.727.51 Crores (Previous Year - Rs.727.51 Crores) :

The above represents Loans for I&I - Chennai Project and other schemes. There was no repayment of Principal and Interest on these Loans during the year. The total over-dues of principal (up to 31st March 2012) Rs.338.03 Crores and Interest (up to 31st March 2013) Rs.503.15 Crores, aggregate Rs.841.18 Crores, as of 31st March 2013.

2. Loans from Financial Institutions - Rs.184.37 Crores (Previous Year - 183.66 Crores) :

- a. Loan from financial Institutions includes the Loans availed by the erstwhile LBs from Tamil Nadu Urban Finance and Infrastructure Development Corporation Limited (TUFIDCO) and Tamil Nadu Urban Infrastructure Financial Services Limited (TNUIFSL).

The aggregate balance outstanding in the said loans as of 31st March 2013 is Rs. 184.37 Crores.

- b. The Government of Tamil Nadu has been approached by the Board for sanction of Grant towards liquidation of dues to these two financial institutions, for the revised Principal dues to TUFIDCO and TNUIFSL for Rs.129.73 Crores and Rs.34.87 Crores respectively aggregating Rs.164.60 Crores. The total over dues to TUFIDCO as of 31st March 2013 is Rs.42.69 Crores comprising of Principal Rs.29.62 Crores, Interest Rs. 12.42 Crores and Penal Interest Rs.0.65 Crores respectively. The total over dues to TNUIFSL as of 31st March 2013 is Rs.7.02 Crores comprising of Principal Rs.2.56 Crores and Interest Rs. 4.46 Crores respectively.

IV. SCHEDULE - D - DEFERRED CREDITS AND DEPOSITS :

1. Deposits from Public - General Works - Rs. 617.35 Crores
 - a. A sum of Rs. 0.65 Crores being deposit from public received towards water connection which is yet to be provided in erstwhile Perungudi Town Panchayat is accounted under this head.
 - b. The balance outstanding in this account is after setting off the Deposit amount of Rs. 297.24 Crores received from erstwhile LBs .
2. In MLA Constituency Development Scheme account, with balance outstanding of Rs.2.25 Crores, there is no transaction in the current financial year.
3. Deposit from Public -- Sewerage - Other Works includes Sewerage Work under Chennai City River Conservation Project (CCRCP) amounting to Rs.164.63 Crores incurred on Madurai and Kumbakonam - National River Conservation Directorate (NRCD) works. The Board has received deposit of Rs 161.84 Crores till the year 2012-13. The deposits remain to be appropriated towards the project cost for want of Completion Report.

V. SCHEDULE - E - CURRENT LIABILITIES AND PROVISIONS:

1. Outstanding amount in General Provident Fund (GPF) Advances to Staff/Labour out of GP Fund have been netted against the Fund balances. The net fund balance of Rs.42.16 Crores (Previous Year Rs 38.99 Crores) has been shown under Current Liabilities.
2. In respect of staff of erstwhile local bodies the balances outstanding in GPF and Contributory Pension Scheme (CPS), Rs 1.29 Crores for which the amounts were received from Corporation of Chennai.
3. Unclaimed Advance Collection of Water / Sewerage Taxes and other charges of Rs 9.06 Crores pertaining to the Financial Years 2006-2010 have been transferred to Income Account.
4. Other Liabilities -Others
 - a. The following accounts are under reconciliation



A/c Code	Name of account	Amount (Rs.)
5311	Accounts Payable-Loan Repayment	27,94,97,582
5315	Payables Control Account	2,61,172
5400	Outstanding Liability - CMC	20,94,042
9009	Unapplied Cash	3,30,63,398

- b. The amount with banks as Short/Fixed Deposits as well as amounts meant to be received on respective maturity date of Short/Fixed Deposits is temporally parked in a separate account for control - purpose, showing a balance of Rs.34.08 Crores as per particulars given below, which is under reconciliation.

A/c Code	Name of account	Amount(Rs.)
5371	Accounts Payable Cash	34,08,12,359

- c. In the following accounts balances remain outstanding for a long period and the same are under reconciliation.

A/c Code	Name of account	Amount(Rs.)
5390	Pension & Gratuity - Accrued - Transferred From MMC	20,09,651
5851	Employees State Insurance Account	62,799
5410	Outstanding Liabilities PWD	13,18,201

- d. Other Liabilities -Others includes a sum of Rs.2.39 lakhs (Debit balance) representing amount recovered from staff in respect of court orders received against them. This amount includes a sum of Rs.2.13 lakhs which remains outstanding prior to the year 2012.
- e. In the following accounts there is a negative balance as of 31st March 2013, for which reconciliation is in progress.

A/c Code	Name of account	Amount(Rs.)
5580	Madras Corp. Labour Co.Op. Society	7,71,560
5600	Bank Loan - Employees	64,559
5760	Special Family Benefit Fund HBA	4,73,740
5810	Family Benefit Fund	1,06,58,139

VI. SCHEDULE - F - FIXED ASSETS :

1. The balance as at 31st March 2013 in PIP as per GL and as per Project Department records are Rs.2548.34 Crores and Rs. 2778.16 Crores, for which reconciliation is in progress.
2.
 - a) Fixed Assets includes Rs.81.40 Crores, being Projects commissioned, in respect of three projects viz., SCP, 530 Million liters per Day (MLD) Project, and CCRCP for which Completion Reports have not been received. In respect of CCRCP a sum of Rs.3.74 crores was transferred from PIP to Fixed Assets during the current year.
 - b) Project in Progress (PIP)-Sewerage-Deposit works includes Rs.164.63 Crores, being Projects commissioned viz. Madurai and Kumbakonam sewerage works under CCRCP (Madurai Rs.51.37 Crores and Kumbakonam Rs.113.26 Crores respectively) for which Completion Reports are has not been received.
3. Salaries, Wages & Allowances, Office expenses & Administrative expenses and Fuel & Lubricants have been appropriated to PIP at fixed percentages, as given below :

Particulars	Percentage
Salaries, Wages and Allowances	23%
Office and Administrative Expenses	30%
Fuel and Lubricants	30%

4. PIP includes Rs.297.24 Crores of works executed for ULBs (other than erstwhile LBs whose Assets and Liabilities were taken over during the year ended 31.03.2012) (Previous Year Rs 182.00 Crores) as deposit works, which will be adjusted against deposits received, on completion of such works.
5. In the following instances of PIPs,
 - a). There is no transaction in the account/in the projects during the years 2011-12 and 2012-13. The completion reports are under reconciliation, and
 - b). Depreciation remains to be charged on ad-hoc rate as per Accounting Policy.

PIP Description	No of Instances	Amount (Rs. in Crores)
Water Supply	262	114.65
Sewerage	187	249.30
General	21	10.07
JNNURM	35	18.46
CWSAP	5	15.68
Total	510	408.16



6. In response to objection by the nearby Fishing village, for construction of Desalination Plant at Nemmeli, payment of compensation to 223 fishermen at the rate of Rs.2,000p.m. per fisherman from January 2011 to January 2013 has been approved. An amount of Rs.44.60 lakhs has been paid for the period from April 2012 to January 2013 during the current financial year. An aggregate amount of Rs.111.50 Lakhs has been paid to the fishermen for a total period of 25 months from January 2011 to January 2013. The amount of compensation has been debited to the capital cost of desalination project.
7. In respect of few of the erstwhile LBs, the assets which were used by them were not owned by them. The LBs were having physical possession of the same. The transfer of ownership with monetary compensation or continuance of existing arrangement is yet to be finalized.
8. The fixed assets inter alia include a sum of Rs.107.85 Crores as Drought Relief Works since 2010-11. Depreciation is not considered on these assets. As the assets would have outlived and their working condition is unlikely, write off of the said assets after taking appropriate authority is under consideration.

VII. SCHEDULE - G - CURRENT ASSETS, LOANS, ADVANCES AND DEPOSITS :

1. Inventory - Rs.17.48 Crores (Previous Year - Rs. 9.15 Crores)

- a. The ageing analysis of inventory as of 31st March 2013 remains to be made. Consequently identification of non moving/obsolete stock and provision thereof is still in process.
- b. Inventory inter alia includes Rs.4.97 Lakhs in Stores Suspense account (comprising of Rs.3.46 Lakhs relating RO-II and Rs.1.51 Lakhs relating to H.O). The balance in Stores Suspense account continues to remain at the same level prior to April 2007 onwards, which is being considered for write off with appropriate authority in due course.

2. Sundry Debtors - Rs. 207.18 Crores (Previous Year Rs. 167.47 Crores):

- a. The ageing analysis of Sundry Debtors for Water Charges, Tax, and Sewerage Charges remains to be made as of 31st March 2013. It is proposed to consider making adequate provision against long outstanding receivables on completion of ageing analysis.
- b. Sundry Debtors for Sewerage Service Charges have not been considered for making Provision for Doubtful Debts, as per extant policy.
- c. Sundry Debtors includes a sum of Rs. 0.48 Crores (Credit balance) (Previous Year Rs. 0.50 Crores) under the account of CMWSSB Group Gratuity Trust
- d. **Sundry Debtors - Rs. 8.66 Crores (Previous Year - Rs.8.66 Crores) :**

In respect of Sundry Debtors relating to erstwhile LBs, Receivables towards Water charges & Sewerage charges for an aggregate amount of Rs. 8.66 Crores were considered for the following six LBs only.

Name of LB	Water Charges (Rs.in Crores)	Sewerage Charges (Rs.in Crores)
Alandur	2.49	3.61
Ambattur	0.55	-
Kathivakkam	0.07	-
Madhavaram	0.26	-
Maduravoyil	0.12	-
Valasarvakkam	0.10	1.46
Total	3.59	5.07

The position of Sundry Debtors as of 31st March 2013 relating to remaining 36 erstwhile LBs and their accounting is being ascertained / reconciled.

3. Dues from public authorities Rs. 0.88 Crores:

This amount is due from Chennai Municipal Corporation (CMC) and remains static over a period of time as on 31st March 2013. Out of Dues from public authorities a sum of Rs.0.30 Crores which remained un-recovered and outstanding since the year 1978, was transferred during the current year to Tax account under the head Sundry Debtors.

4. HO/Area Transaction - Rs. 47.02Crores (Net Credit Balance) (Previous Year Rs. 17.47 Crores (Net Credit Balance)) :

The balance outstanding in the HO/Area transaction account is under reconciliation.

5. Collection Control Account - Rs. 0.95 Crores(Previous Year - Rs 0.13 Crores) :

The above amount represents balance outstanding in control account of R.O - II which is meant to be parking account, which should have been brought to NIL. Action is being taken to reconcile the same.

6. Current Accounts with Scheduled Banks - Rs. 32.06 Crores (Previous Year - Rs. 137.40 Crores):

The above include aggregate sums of Rs. 14.21 Crores in two current accounts (HO) and Rs.4.48 Crores in nine current accounts (Area Offices), which remain to be reconciled as of 31st March 2013. Action is being taken to reconcile the same.

7. Bank account balances of erstwhile LBs - Rs. 4.13 Crores (Previous Year - Rs.4.13 Crores) :

The erstwhile LBs had a total of 71 bank accounts for an aggregate amount of Rs. 17.99 Crores, which were closed on takeover of their assets and liabilities. The amount received on closure of bank accounts is Rs.14.13 Crores out of which the details are available for Rs.13.86 Crores. The balance amount of Rs.0.27 Crores has been credited in Fund Receipts Newly added areas account. The amount of Rs. 4.13 Crores (Rs. 17.99 Crores less Rs.13.86 Crores)



remains outstanding as of 31st March 2013 in "Bank Amounts Receivable from ULBs" account.

The position regarding (a) receipt of entire bank account balances of erstwhile LBs, and (b) squaring off of balances outstanding in both the accounts viz Fund Receipt Newly Added Areas and Bank Amounts Receivable from ULBs, are under reconciliation.

8. Fixed Deposit account balances of erstwhile local bodies with bank - Rs.16.60 Crores (Previous Year - Rs. 16.60 Crores):

- The erstwhile LBs had certain Fixed Deposit accounts with banks as of 31st March 2012 for an aggregate amount of Rs.16.60 Crores which were closed on takeover of their assets and liabilities. An aggregate amount of Rs.15.73 Crores has been received during the current financial year..
- The receipt of Rs.15.73 Crores is accounted in Funds receipts -Newly added areas and remains to be accounted in Short Term Deposits with Banks, for want of receipt of balance amount of Rs.0.87 Crores (Rs.16.60 Crores less Rs.15.73 Crores) and reconciliation of Fixed Deposit account.

9. Short Term Deposits with Banks - Rs.260.33 Crores (Previous Year -Rs. 192.77 Crores):

The particulars and breakup of Short Term Deposits in Sweep with Banks as of 31st March 2013, with supporting are under scrutiny for required reconciliation.

10. Loans and Advances -Expenses -Rs.0.82 Crores

The above includes an amount of Rs.0.67 Crores being advance given to Southern Railways which remain outstanding for more than six years.

11. Deposits and Investments - Staff/Others

- In respect of following Investments (Fixed Deposits with Banks), the balance outstanding as per General Ledger (in respective account codes) and the balance outstanding as per Cash Department records is differing as of 31st March 2013 and the same is under reconciliation.

(Amount Rs. in Lakhs)

Sl.No.	Name of Account	Amount as per GL	Amount as per Cash department records	Difference
1.	Accident Coverage Investments	78.04	72.36	5.68
2.	Fixed asset renewal fund investments	5207.63	5214.63	7.00

In the following accounts there is Credit balance as of 31st March 2013, for which particulars are under detailed analysis.

A/c Code	Name of account	Amount(Rs.)
8520	Interest accrued Others	3,59,97,373
8523	Interest Accrued - Pension Investments	2,43,05,192

NOTES ON INCOME AND EXPENDITURE ACCOUNT:

I. SCHEDULE - H - SALE OF WATER AND SEWERAGE CHARGES:

Sale of water - Unmetred - Domestic- Rs.29.06 Crores (Previous Year -Rs. 27.84 Crores):

The amount shown under this head is inclusive of amount pertaining to erstwhile LBs. However, such charges for the period are collected as per the rates applicable in the case of erstwhile LBs, instead of CMWSSB's rate, as approved by Board.

II. Grants and Subsidies- Rs 176.15 Crores (Previous Year -Rs.117.48 Crores):

The above includes Grant from Government of Rs 153.88 Crores for purchase of desalinated water from desalination plant out of which Rs 153.26 Crores was utilized up to 31st March 2013.

III. SCHEDULE - I - WATER AND SEWERAGE TAX:

Water tax- Rs.23.02 Crores (Previous Year -Rs.22.16 Crores):

The amount shown under Water Tax is excluding the amount pertaining to the erstwhile LBs.

IV. SCHEDULE - J - OTHER INCOME

Interest from Banks - Rs 6.39 Crores (Previous year - Rs 15.90 Crores)

The Term Deposits with Bank as of 31.03.2013 are Rs 320.82 Crores (Previous year Rs 227.47 Crores). The interest accrued on Fixed Deposits with Banks remains to be accounted as of 31.03.2013.

V. SCHEDULE - K - OPERATING AND MAINTENANCE EXPENSES

Operating Expenses-Power Rs.73.61 Crores (Previous Year -Rs.63.34 Crores):

The expenditure under the above head is booked after netting the interest earned on security deposits held with TNEB, as per existing policy instead of booking the same on gross basis and accounting for the interest income separately.

VI. SCHEDULE - L - PAYMENTS AND PROVISIONS TO EMPLOYEES :

1. Pension :

The accumulated balance in Pension Fund is Rs. 83.55 Crores (Previous Year Rs. 82.61 Crores). The amount invested is Rs. 91.15 Crores (Previous Year Rs. 62.05 Crores). Further, an investment of Rs 7.48 Crores (Previous Year Rs. 4.79 Crores) has been made under Contributory Pension Scheme (CPS). An Actuarial Valuation for Pension remains to be done as on 31st March 2013.

2. Gratuity :

- a. Group Gratuity Scheme (GGS) / Fund as been created with LIC of India Contribution to the scheme is charged to revenue.



b. An Actuarial Valuation for Gratuity remains to be done as on 31st March 2013.

3. Leave Encashment:

The Leave Encashment benefit to the Employees on retirement is accounted on cash basis.

4. Payments to staff of added areas :

- a. Provision for CPS and Leave encashment in respect of staff members of erstwhile LBs remains to be made for the financial year ended 31st March 2013.
- b. Some employees of erstwhile LBs are since absorbed as CMWSSB staff. The payment of premium to Trustee towards Gratuity liability of the said employees as of 31st March 2013 is yet to be made.

VII. DEPRECIATION :

- a. CMWSSB has moved to Oracle ERP application from COBOL application with effect from 01.04.2003(Pilot)/01.04.2007 (Roll-Out). At the time of such moving, the Fixed Assets were transferred to Oracle ERP application in Blocks, under different category of Fixed Assets without reckoning the original date of purchase of individual assets. Since Straight Line Method of depreciation is followed, this has impacted Write off of original cost of individual asset over its life.
- b. The value of Bought out items added during the March 2013 is Rs.0.74 Crores on which Depreciation is provided for Rs.0.03 Crores.

VIII. SCHEDULE-O-DEBT SERVICE CHARGES -FINANCIAL INSTITUTIONS :

The erstwhile LBs had availed certain loans from TUFIDCO and TNUIFSL. The outstanding balance in these loans aggregate Rs.184.37 Crores as of 31st March 2013. The interest on Loan from TUFIDCO and TNUIFSL for Rs.13.07 Crores and Rs.4.46 Crores remains to be capitalized as of 31.03.2013.

IX. TAXES ON INCOME:

In view of sustained losses incurred, tax liability may not accrue in near future and hence provision for Deferred Tax has not been made.

GENERAL:

1. A Statement of Sources and Application of Funds for the year ended 31.03.2013 remains to be prepared.
2. The financial statement as of 31st March 2012 included un-audited figures of erstwhile forty two Local Bodies (LBs) (consequent upon the take over of assets and liabilities of the said LBs with effect from 24th October 2011.
3. In the Income and Expenditure account for the year ended 31st March 2012, the income and expenditure of erstwhile LBs and transactions having financial implications on Income and Expenditure account and Balance Sheet have been considered for the purpose of

consolidation for the period from 24.10.2011 to 31.03.2012 and in respect of water and sewerage charges and certain expenses, Cash basis of accounting has been followed. During the year ended 31st March 2013, the Income relating to erstwhile 42 LBs has been accounted as per the earlier guidelines pertaining to LBs.

4. **Contingent Liabilities:**

- a. Claims against CMWSSB not acknowledged as debt amount to Rs.19.51 Crores (Previous Year Rs. 14.89 Crores) in respect of 356 court cases (Previous year 173 court cases), which are under litigation. The above includes 3 court cases which are under arbitration for aggregate amount of Rs.12.77 Crores.(Previous Year Rs. 12.77 Crores)
 - b. An aggregate amount of Rs 52.25 Crores towards water capacity charges, etc. is under dispute with Chennai Water Desalination Limited (CWDL).
 - c. In respect of Alandur Municipality a contingent liability for Rs.3.02 Crores exists, in respect of petition filed by it against the award of Tribunal of Arbitrators favoring IVRCL Infrastructural and Projects Limited, -+which undertook the project of providing underground sewerage scheme with whom the LB has entered into a contractual agreement.
5. Third Party balances are subject to confirmation and reconciliation.
 6. Previous year's figures have been suitably regrouped wherever necessary in conformity with current year's classification.

As per our report of even
date attached

S. Venkatram & Co.,
Chartered Accountants
FRN: 046565

On behalf of the Board

-Sd-
C. ARUMUGAM, I.A. & A.S., **Dr. B. CHANDRA MOHAN, I.A.S.,**
FINANCE DIRECTOR MANAGING DIRECTOR

-Sd-
R. KANDAVELU
PARTNER
M.No.12811

Place : Chennai
Date : 23.5.2014



MUNICIPAL ADMINISTRATION & WATER SUPPLY (METRO WATER) DEPARTMENT

TAMIL NADU GOVERNMENT'S REVIEW ON THE WORKING OF CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD FOR THE YEAR ENDED 31ST MARCH 2013

A. FINANCIAL:

1. The Chennai Metropolitan Water Supply and Sewerage Board was constituted under the CMWSS Act 1978 (TN Act 28 of 1978) for exclusively attending to the growing needs of the citizens in Chennai city and for planned development, appropriate regulation of water supply and sewerage services in Chennai Metropolitan Area, with particular reference to adequate supply of safe and good quality drinking water, treatment and disposal of sewage and thereby the protection of public health and for all matters connected therewith or incidental thereto

During the year 2011, the Chennai Corporation was expanded by annexing 42 Local Bodies (9 Municipalities, 8 Town Panchayats and 25 Village Panchayats), as per G.O.(Ms) No.280, MA & WS (Election) Department dated 9.11.2010 and as per Board Resolution No.150/2011 dated 21.11.2011, the above said areas were included as operational Area of the CMWSSB.

Consequently, the Assets and Liabilities of the erstwhile Local Bodies (LB's) were integrated with the Board's Accounts after due verification and valuation. Hence M/s.NCR consultant limited, was appointed as Consultants' for ascertaining the availability of the assets and liabilities and valuation of the same of Local Bodies apart from integration of LBs Accounts with the Accounts of the Board. They submitted their report based on which the Accounts of erstwhile Local Bodies have been integrated and audited by the Statutory Auditors. The excess of Liabilities over assets taken over from the, erstwhile 42 Local Bodies is Rs.38.96 crore.

2. The total assets of the Board as on 31st March 2013 stood at Rs.6385.95 Crores, consisting of net Fixed Assets of Rs.4857.09 Crores, Current Assets of Rs.969.98 Crores represented by Sundry Debtors, Loans, Advances and Deposits etc. and Accumulated Deficit of 558.87 Crores.
3. The total liabilities of the Board stood at Rs.6385.95 Crores, consisting of Contribution of Rs.1423.72 Crores, Grants from Government of Rs.1939.42 Crores, Long Term Borrowings of Rs.1310.30 Crores and Current Liabilities including Deferred Credits and Deposits of Rs.1712.51 Crores.

The following statement shows the Income, Expenditure and Deficit of the Board:

(Rs. in lakhs)

A. WATER AND SEWERAGE CHARGES	2012-13	2011-12
METERED		
Domestic	1996.41	1874.43
Commercial	12504.33	10149.24
Institutional	1466.95	1369.38
Municipalities	266.80	698.75

UN-METERED		
Domestic	2905.79	2783.78
Commercial	1776.30	1757.80
Institutional	21.67	21.44
Mobile Water Supply to private customers	1691.28	1618.71
Sewerage charges	2126.52	2113.35
Sale of raw / secondary treated sewage	1212.58	1381.46
Total (A)	25968.63	23768.34
B. WATER AND SEWERAGE TAX		
Water Tax	2301.75	2216.57
Sewerage Tax	8439.25	8152.65
Total (B)	10741.00	10369.22
Grand Total (A+B)	36709.63	34137.56
C. OTHER INCOME	6432.86	6984.83
D. Provisions Written Back	--	144.43
E. Grants and Subsidies	17615.43	11748.38
Total Income	60757.92	53015.20
F. Expenditure	77466.16	71187.25
G. DEFICIT	16708.22	18172.05

The Deficit of Rs.167.08 Crore is due to Non revision of tariff in the recent past years and escalation of cost in O & M of the water & sewerage systems.

4. The total income during the year 2012-13 was in the order of Rs.607.58 Crores and the expenditure was Rs.774.66 Crores, resulting in a net deficit of Rs.167.08 crores, against the deficit of Rs.181.72 Crores during the previous year (2011-12). The Board is providing effective and efficient services and continues to strive to achieve its goals and objectives, though the total revenue income is lesser than the total expenditure.
5. Every year the Board executes various projects to augment water supply and other related works. Therefore, a portion of interest amount is deducted from the total interest accrued for the year and the same is added to the project expenditure as capitalized interest. During the year a sum of Rs.2.54 Crores was deducted from the total interest of Rs.98.59 Crores and capitalized. After capitalization of Interest, a sum of Rs.96.05 Crores has been shown as interest under the Income and Expenditure Account for the year 2012-13.
6. For capacity enhancement and improvements to water supply and sewerage system, the Board is implementing two Desalination Plants, one at Minjur on DBOOT basis and another at Nemmeli with Government of India assistance and several other projects under Jawaharlal Nehru National Urban Renewal Mission (JNNURM), TNUDP III, JICA/JAIOA scheme etc.



B. PHYSICAL

1. Activities

The Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), (constituted in 1978) is vested with the responsibility of promoting and securing the planned development of water supply and sewerage services, creation, operation and maintenance of the needed infrastructure and implementation of perspective plans to meet both current and future requirements in the areas falling under Chennai Metropolitan limit.

2. Operational Area of CMWSSB

The operational area of the CMWSSB has increased from 174 sq.km. to 426 sq.km., consequent on the inclusion of 42 adjacent local bodies within the Chennai City limits during october 2011. As per the 2011 census, provisional population of the expanded Chennai city is 67.27 lakh. The CMWSSB is currently operating its services through 15 Area Offices and 200 Depot Offices.

3. Water supply

3.1. Sources of drinking water to the city

Providing safe drinking water in adequate quantity to people of Chennai city is the prime endeavour of the Board. The drinking water requirement of Chennai city is met by drawing raw water from the surface reservoirs around Chennai city - Poondi, Redhills, Cholavaram, Chembarambakkam and also from Veeranam lake in Cuddalore District. Water is also received from the Kandaleru reservoir under Krishna Water Supply Project. In addition to this, CMWSSB is drawing about 100 MLD of water from the Desalination Plant at Minjur constructed on Design, Build, Own, Operate and Transfer (DBOOT) basis.

At present, the Board supplies about 765 MLD (Million Litres per Day) to domestic consumers in the City area and about 65 MLD of water to bulk consumers such as adjacent local bodies and industries located in Chennai Metropolitan Area. **CMWSSB is taking necessary action to streamline water supply facilities to the areas which have been included within the Chennai City Corporation limits, in 2011.**

3.2. Growth in Operation of Water Supply

In the past 34 years of its functioning, the Board has enhanced its capacity and infrastructure for delivery of treated water as below

Details	Status in 1978	Present status2012
Operational area (sq.km)	174	426
Population (in lakh)	30	67.27 (Provisional)
Water Supply		
Water Supply (MLD)	240	830
Length of water mains (Km)	1,250	2,930
Distribution stations	3	16
Water treatment capacity (MLD)	182	1,394
Consumers	1,16,000	5,18,514

3.3. Augmentation of city water supply sources

All the sources of water supply to Chennai City are dependant on the monsoon and whenever there is deficiency in rainfall, the city experiences water scarcity. Moreover, Chennai and its surrounding areas have experienced high population and economic growth. This had led to rapid development resulting in a sharp increase in water demand and thereby exerting pressure on the Board to identify new water resources. Taking into account the long-term drinking water requirements of the City and to develop a drought proof Metropolitan city, the Hon'ble Chief Minister of Tamil Nadu during the year 2003 had ordered the setting up of a Sea Water Reverse Osmosis Desalination Plant to augment water supply.

Desalination Plants

In order to bridge the demand-supply gap and as a drought proofing measure, a 100 MLD capacity Desalination Plant at Minjur on Design, Build, Own, Operate and Transfer (DBOOT) basis with an agreement period of 25 years was commissioned.

- In addition to the 100 MLD capacity Sea Water Reverse Osmosis Desalination Plant at Minjur, in order to cater to the needs of the Southern part of Chennai city, another Sea Water Reverse Osmosis Desalination Plant at Nemmeli of 100 MLD capacity has been taken up with financial grant from Government of India and the works are under. The plant is expected to be commissioned soon.
- **Considering the growth and expansion of Chennai City, this Government has proposed to set up another 400 MLD Desalination Plant south of Chennai.** Action has been initiated to identify land and to fix the consultancy for conducting feasibility studies, including financial viability, preparation of Detailed Project Report, tender Documents and Evaluation of bids for the proposed plant.

3.4. Second Transmission main from Chembarambakkam Water Treatment Plant upto Poonamallee bye-pass junction

In order to convey the full intended quantity of 530 MLD of treated water, Government has sanctioned laying of the second parallel line of 2000 mm dia pipeline, for a length of 6.5 km from Chembarambakkam Water Treatment Plant upto the Poonamallee bye-pass junction. Action has been initiated to carry out the work at an estimated cost of Rs. 41.35 Crore.

3.5. On going Water Supply Schemes

Water supply schemes for Avadi, Ambattur, Maduravoyal, Ullagaram Puzhuthivakkam, Thiruvottiyur, Alandur and Nerkundram have been taken up under Jawaharlal Nehru National Urban Renewal Mission (JnNURM) funds and all the schemes are in progress.

The details are as given below



Sl.No.	Name of the Work	Sanctioned cost (Rs. in crore)	Status of Implementation
Projects For Chennai City			
1	Improvement works to water supply system in Chennai city	322.00	5 works completed and other works are in progress.
2	Maduravoyal	23.30	Work in progress
3	Ullagaram-Puzhuthivakkam	24.24	Work in progress
4	Thiruvottiyur	85.11	Work in progress
5	Alandur	64.39	Work in progress
6	Ambattur	267.08	Work in progress
7	Nerkundram	19.17	Work in progress
	Other Local Bodies	103.84	Work in progress
8	Avadi Municipality		
	Total	909.13	

3.6. Water Supply to Below Poverty Line (BPL) families in Chennai city

- At present, the Board supplies water through 1,394 trips of lorries to the (BPL) families in 314 number of streets.
- It is now proposed to provide house service connections to each of the BPL families in these areas instead of mobile lorry supply.
- A DPR has been prepared for Rs. 23.56 crore for laying additional water mains in unserved areas of slums, erection of new public fountains and new water connections to supply water to BPL families.

4. Sewerage System

4.1. Growth in Sewerage service

Details	Status in 1978	Present status 2012
Length of sewer mains (Km)	1,223	2,677
No. of pumping stations	58	209
Sewage treatment capacity (MLD)	57	558
No. of consumers	1,14,000	6,11,275

4.2. Sewerage Schemes under JnNURM

The sewerage schemes for Avadi, Ambattur, Tambaram, Maduravoyal, Thirumazhisai, Perungudi, Porur, Ullagaram-Puzhuthivakkam and Pallikaranai have been taken up under JNNURM funds and all the schemes are in progress.

The status of schemes is presented below:

Sl.No.	Name of the Work	Sanctioned cost (Rs. in crore)	Status of implementation
Projects for Chennai City & newly added areas			
1	Providing water supply and sewerage facilities along Rajiv Gandhi Salai (IT Corridor)	41.77	Work in progress
2	Additional 60 MLD Sewage Treatment Plant at Perungudi	31.48	Completed
3	Additional 54 MLD Sewage Treatment Plant at Nesapakkam	54.57	Work in progress
4	Ullagaram-Puzhuthivakkam	28.08	Work in progress
5	Ambattur	130.91	Work in progress
6	Maduravoyal	57.45	Work in progress
7	Porur	38.29	Work in progress
8	Perungudi	20.19	Work in progress
8	Pallikaranai	58.61	Work in progress
Other Local Bodies			
10	Avadi Municipality	158.05	Work in progress
11	Tambaram Municipality	160.97	Work in progress
12	Thirumazhisai Town Panchayat	20.47	Work in progress
Total		800.84	

4.3 Sewerage Schemes taken up under TNUDP-III

Sl.No.	Sewerage works	Estimate cost (Rs. in crore)	Status of Implementation
1	Thiruvottiyur	87.63	Work in progress
2	Madhavaram	50.22	Work in progress
3	Ambattur Phase - I	65.75	Work in progress
Total		203.60	

4.4. Mechanisation of Sewer Operation and Maintenance

For modernisation of sewer operation, the Board has initiated action to mechanise the operation and maintenance of the sewerage system. There are 83 numbers of Jet Rodding Machines and 70 numbers of Desilting Machines in operation. In 2011-12, the Government has sanctioned and released a sum of Rs. 200 lakh for procurement of 10 additional numbers of jet rodding machines for the Operation and Maintenance Department of CMWSS Board. The Government has also directed the CMWSSB to procure 20 numbers of desilting machines at an estimated cost of Rs. 271 lakh and these machines have been procured.

4.5. Chennai Mega City Development Mission

In order to achieve the aim of the Hon'ble Chief Minister of creating world class infrastructure for Chennai City, the Government of Tamil Nadu in 2011-12 have launched the Chennai Mega City Development Mission so as to improve the infrastructure and basic amenities in Chennai City and the newly added areas of Chennai Corporation, with an annual allocation of Rs.500 crore.



4.5.1. Improvements to Water supply and Sewerage Schemes in Chennai City and Added Areas

The CMWSSB has prepared Detailed Project Reports (DPRs) for strengthening the existing water supply and sewerage system in Chennai City and improvements in the added areas. In 2012-13 the Government have sanctioned an amount of Rs. 452.77 crore to CMWSSB under the Chennai Mega City Development Mission for the provision of integrated water supply and sewerage system to Chennai City and newly added areas of Chennai Corporation. The details of works are as follows:-

Sl.No.	Water supply scheme	Project cost (Rs. in Crore)
1	Nolambur	18.00
2	Karambakkam	20.56
3	Ramapuram	32.54
4	Manapakkam	10.92
5	Nandambakkam	6.00
6	Okkiyam-Thoraipakkam	46.00
7	Injambakkam	22.30
8	Sholinganallur-Karapakkam	35.70
Total (A)		192.02

Sl.No.	Under Ground Sewerage Schemes	Project cost (Rs. in Crore)
9	Kathivakkam	86.15
10	Ramapuram	48.50
11	Sholinganallur-Karapakkam	110.90
Sub-Total		245.55
	Procurement of sewerage maintenance equipments	15.20
Total (B)		260.75
GRAND TOTAL (A+B)		452.77

4.6 Waste Water Management

A comprehensive Action Plan for Waste Water Management to improve and integrate the sewerage system in Chennai and its suburban areas, complete treatment and Recycling of Waste Water and to prevent the entry of sewage into the City's River System, has been prepared. This will facilitate an integrated **management of Waste Water besides protecting the City River System from pollution.**

- A Sewage Treatment plant is under construction in Nesapakkam. Action has been initiated to construct sewage treatment plants at Thiruvottiyur, Sholinganallur, Koyambedu and Navalur. It is also proposed to provide two Sewage Treatment Plants at Villivakkam and Perungudi.
- The Hon'ble Chief Minister is very keen to protect the waterways and water bodies from the pollution caused by untreated sewage being let into them. All the water ways

within Chennai city have been perambulated and 105, 183 and 49 (a total of 337) sewage outfalls have been identified in the Cooum river basin, the Buckingham canal and the Adyar basin respectively. It has been proposed to plug all the 337 numbers of outlets to prevent untreated sewage from entering into the Chennai City Waterways and to treat this sewage before letting it out, at a cost of Rs.300 Crore.

4.7 Recycling of Waste Water

The Government, as a policy promotes the recycling of sewage to meet purposes other than drinking. The CMWSSB has initiated action to put up a 45 MLD Tertiary Treated Reverse Osmosis Plant in Koyambedu at a cost of Rs. 90 Crore. More such projects will be implemented under PPP mode for recycling sewage to meet industrial needs. This would solve environmental problems and also take care of the water supply needs of the industries in and around Chennai City.

5. Newly Added areas

Consequent on the recent expansion of Chennai Corporation, the area of operation of CMWSSB has increased from 174 sq.km to 426 sq.km. Engineering staff and Tax collection staff have been posted in the newly added areas for operation and maintenance of the available infrastructure facilities and services. Steps are being taken to upgrade the infrastructure and services at the earliest.

5.1. Water Supply Initiatives in Newly Added Area

- About 76 MLD of Water is being supplied through the pipeline system. About 2.5 MLD of water is supplied through mobile water tankers.
- The number of tanker lorries has been increased from 62 to 94 and the quality of water is being checked periodically.
- Wherever feasible, the Board is in the process of supplying water by tapping the nearby Metrowater source, with construction of Under Ground Tank, providing filling points and erection of syntex tank as immediate measures.

5.2. Existing and proposed Water supply schemes in newly added areas

Out of the 42 local bodies recently included within the Chennai Corporation limits, Kathivakkam and Valasaravakkam are already having water supply schemes. The water supply scheme for Porur has been completed recently. Water supply schemes in 6 areas namely Thiruvottiyur, Maduravoyal, Nerkundram, Ullagaram-Puzhuthivakkam, Alandur and Ambattur are in progress and measures have been taken to expedite their implementation. The water supply scheme for Madhavaram is to be taken for implementation in 2012-13.

The CMWSSB has drawn up a detailed Plan of Action to cover the remaining 32 local bodies.

5.3. Sewerage initiatives in Newly Added Areas

- To attend the sewer complaints, Jet Rodding machines and Desilting machines are deployed.
- Sewer lorries are engaged for removal of sewage wherever required.



- Out of the 42 newly added areas included within the Chennai Corporation limits, Valasaravakkam and Alandur already have sewerage schemes. Sewerage schemes in 8 erstwhile local bodies namely Thiruvottiyur, Madhavaram, Ambattur, Maduravoyal, Porur, Ullagaram-Puzhuthivakkam, Perungudi and Pallikaranai areas are under progress. Action has been initiated for part commissioning of some of these schemes for the immediate benefit of the public.
- For newly added 18 local bodies, Detailed Project Reports have already been prepared. For the remaining 14 newly added areas, the Detailed Project Reports are under preparation.

6. Information Technology related initiatives

- Two numbers of Cheque / DD deposit Kiosks were installed at Anna Nagar and Adyar Area offices for collection of water tax and charges using Intranet facilities in the month of November 2011 at a cost of Rs. 4.98 lakh. As on 31st March 2012, Rs. 19.69 lakh has been collected from 1079 consumers through these kiosks.
- A Personal Information System for the CMWSSB staff developed by National Informatics Center is under implementation in the Board.
- For monitoring the on-going projects in the Board, a work monitoring system has been developed and implemented in the Board from the month of January 2012.

7. Rain Water Harvesting

Rain Water Harvesting is the brain child of Hon'ble Chief Minister. Consistent and concerted steps have been taken by the CMWSSB to create awareness about the benefit of Rain Water Harvesting among the people of Chennai City. Considering the importance of Rainwater harvesting in conserving precious ground water resource, the CMWSSB has taken the initiative to constitute a fully dedicated "**Rainwater Harvesting Cell**".

- The Chennai Metropolitan Area Ground Water (Regulation) Act 27 of 1987 has been amended in October 2002 to make the installation of Rainwater Harvesting structures mandatory for all the buildings in Chennai City.
- In order to get new water and sewer connections, Rainwater Harvesting structures have been made mandatory for all the buildings (irrespective of size and area).

Ground water levels and quality in Chennai Metropolitan area are being monitored every month through observation wells. Following the implementation of the Rain Water Harvesting scheme, the ground water levels and its quality in Chennai city is improving year after year.

K. PHANINDRA REDDY
Principal Secretary to Government

FINANCIAL SUMMARY - FIVE YEARS AT A GLANCE

PARTICULARS	2012-13	2011-12	2010-11	2009-10	(Rs. in Crores)
					2008-09
A INCOME					
Sale of water & Water and Sewerage tax	367.11	341.38	340.05	319.49	317.50
Other Income	240.47	188.78	180.55	73.12	66.87
Total Income	607.58	530.16	520.60	392.61	384.37
B EXPENDITURE					
Salaries & Wages	153.71	158.66	131.97	127.91	97.79
Repairs and Maintenance	327.30	263.27	227.73	117.21	110.23
Interest	96.05	93.99	93.11	95.17	93.72
Depreciation	138.43	130.15	120.27	116.80	132.48
Other Expenditure	59.17	65.81	72.97	35.02	25.64
Total Revenue Expenditure	774.66	711.88	646.05	492.11	459.86
Excess of Expenditure over Income (A - B) (Deficit)	-167.08	-181.72	-125.45	-99.50	-75.49
Contributions	1423.72	1231.77	1174.42	1106.44	1101.72
Grants from Government	1939.42	1485.63	1075.58	852.18	664.81
Long term borrowings	1310.3	1370.32	1240.38	1304.30	1340.39
Fixed assets	4857.1	4480.87	4036.35	3564.42	3342.17
Net current assets	-742.52	-784.95	-756.05	-386.14	-220.38
Accumulated surplus/Deficit	-558.87	-391.79	-210.07	-84.62	14.87
No. of Employees as at the end of year	3,573	3,929	4,167	4,333	4,451

PERSONNEL AND ADMINISTRATION DEPARTMENT

Personnel and Administration Wing is responsible for human resource management and all welfare measures in respect of staff of the Board. Personnel and Administration Department is headed by the General Manager who is on deputation from Revenue Department in the rank of District Revenue Officer. He is also Secretary to the Board for conducting various Statutory meetings. General Manager will report to the Managing Director. The General Manager is assisted by the following Officers.

- 1) Staff Manager
- 2) Industrial Relations Manager
- 3) Public Relations Manager
- 4) Senior Administrative Officer (Board)
- 5) Senior Administrative Officer (Vigilance Cell)
- 6) Senior Administrative Officer (Legal Cell)
- 7) Senior Administrative Officer (RTI)
- 8) Tahsildar (Land & Estate)
- 9) Tahsildar (Land Acquisition)
- 10) Standing Legal Advisor

The Personnel and Administration Department consists of sensitive Sections such as Recruitment and Appraisal, Vigilance Cell, Legal Cell, Board, Service Records, Mails, Record Room, Public Information, Labour Records & Recruitment, Labour Records, Public Relations, Record Room Safety.

The important functions carried out by the above Sections includes appointments (Direct/Transfer/Deputation), Promotions, Compassionate Ground Appointments, General Administration, Adoption of GOs issued by the Government, Preventive Vigilance, Vigilance complaints, Investigation and Disciplinary Proceeding, Permission to obtain Passport, all the legal matters in respect of Writ Petitions, Writ Appeals, engagement of Counsels to defend the cases filed against the Board, Conducting Board meetings, various Committees, Sanction of leave, Increments, Granting Selection Grade/Special Grade, Declaring probation, Receipt and Distribution of Tapals, Maintaining Records of the Board, Welfare measures in respect of Labour establishment staff, Sanction of HBA, Advances, Allowances, Medical Reimbursement, Health Insurance, Retirement benefits, Death-cum-Retirement benefits etc.,

CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD STAFF STRENGTH PARTICULARS

Sl. No.	Designation	Method of appointment	Sanctioned Strength	Operating Strength	No. of Vacant Post
1	Managing Director	I.A.S.,	1	1	0
2	Executive Director	I.A.S.,	1	0	1
3	Finance Director	I.A. & A.S.	1	1	0
4	Engineering Director	Promotion	1	1	0
5	Chief Engineer *	Promotion	5	5	0
6	Chief Controller of Finance	Promotion	1	1	0
7	General Manager	Deputation	1	1	0
8	Internal Auditor	Deputation	1	1	0
9	Superintending Engineer	Promotion	17	15	2
10	Controller of Finance	Promotion	2	1	1
11	Financial Analyst	Direct /Promotion	1	0	1
12	Industrial Relations Manager	Direct/Promotion	1	0	1
13	Public Relations Manager	Deputation	1	1	0
14	Deputy Controller of Finance	Deputation	7	3	2
15	Information Technology Manager	Promotion	1	1	0
16	Data Processing Manager	Direct/Promotion	1	1	0
17	Information Facilitation Officer	Direct/Promotion	1	0	1
18	Executive Engineer **	Promotion	57	54	3
19	Hydrogeologist	Promotion	1	1	0
20	Staff Manager	Deputation/ Promotion	1	1	0
21	Senior System Analyst	Direct/Promotion	1	1	1
22	Chief Analyst	Promotion	1	0	1
23	Medical Officer	Other Method	1	1	0
24	Assistant Executive Engineer	Promotion	161	133	28
25	Chief Chemist/Water Analyst	Promotion	7	5	2
26	Deputy Hydrogeologist	Promotion	2	2	0
27	Senior Accounts/ Senior Admv. Officer	Direct/Promotion	37	15	22
28	System Analyst	Direct/Promotion/ Transfer	3	1	2



29	Assistant Engineer/ Junior Engineer	Direct & Promotion	508	384	124
30	Assistant Hydrogeologist	Direct	6	3	3
31	Accounts/Admv. Officer	Promotion	37	36	1
32	Programmer	Direct/Promotion	10	7	3
33	Junior Accounts/Junior Admv. Officer	Promotion	130	83	47
34	Deputy Public Relations Manager	Promotion	1	1	0
35	System Operator	Direct/Promotion/ transfer	18	11	7
36	Assistant Water Analyst/Chemist	Direct / transfer	20	8	12
37	Steno Typist Grade-I	Promotion	7	7	0
38	Photographer	Direct	1	1	0
39	Technical Assistant/ Technician	Direct	3	2	1
40	Steno Typist Grade-II	Promotion	20	20	0
41	Draughtsman-cum-Surveyor	Direct	65	13	52
42	Electrical Operator (LT)	Promotion	46	45	1
43	Electrical Operator (HT)	Direct & Other Method	171	18	153
44	Lab Technician Grade-I	Promotion	11	6	5
45	Lab Technician Grade-II	Direct	15	3	12
46	Pharmacist	Other Method	1	1	0
47	Farm Manager	Promotion	1	1	0
48	Assistant	Promotion	100	13	87
49	Librarian	Direct	1	0	1
50	Steno Typist Grade-III	Direct	40	27	13
51	Assistant Operator (M&I)	Promotion	1	1	0
52	Electrician	Promotion	128	120	8
53	Junior Assistant	Promotion/ Direct/transfer	111	71	40
54	Typist & Typist Grade-I	Direct/transfer	42	17	25
55	Depot Manager Grade-I	Promotion	22	21	1
56	Depot Manager Grade-II	Promotion	88	87	1
57	Depot Manager	Direct/transfer	159	51	108
58	Driver	Direct/transfer	67	30	37
59	Data Entry Operator	Direct/transfer	17	11	6
60	Telephone Operator	Direct/transfer	4	2	2

61	Motor Cycle Messenger (manned by LMV Driver)	Direct/transfer	1	0	1
62	Plumber/Pipeline Fitter	Promotion	1	1	0
63	Pump House Motor Driver	Direct and promotion	1	1	0
64	Fitter Grade-II	Direct and promotion	6	3	3
65	Mechanical Operator Gr.II		1	1	0
66	Pump Operator I & II		14	10	4
67	Electrical Pumpsman		154	10	144
68	Fieldman	Other Method	1	1	0
69	Lift Operator	Direct	1	1	0
70	Field Assistant/Sub Ins. Survey	Deputation	2	2	0
71	Helper Grade-I	Promotion	1	1	0
72	Record Assistant	Direct and Promotion	45	20	25
73	Office Assistant	Direct	102	33	69
74	Sweeper/Scavenger/ Sanitary Worker	Direct	15	10	5
75	Watchman	Direct	50	38	12
76	Chloronome Operator	Promotion	8	5	3
77	Diesel Generator Driver	Promotion	2	1	1
78	Filter Operator	Promotion	17	7	10
79	Assistant Driller	Other Method	1	1	0
80	Tahsildar	Deputation	11	10	1
	Total Staff Strength		2601	1503	1098
81	Labour Establishment / Driver (HMT) SS 101	Direct	4653	2070	2583
	Grand Total		7254	3573	3681

* One C.E. on deputation to Metro Rail Project

** 2 supernumerary posts of Exe.Engr. have been created to comply the Supreme Court order



**TRANSFER AND POSTINGS OF STAFF FOR THE YEAR 2012-2013
IN CMWSS BOARD**

Sl.No.	Designation	No.of Transfer and Postings
1	Superintending Engineer	5
2	Executive Engineer	12
3	Assistant Executive Engineer	23
4	Senior Accounts/Administrative Officer	13
5	Assistant Engineer/Junior Engineer	24
6	Accounts/Administrative Officer	14
7	Junior Accounts/Administrative Officer	24
8	System Operator	1
9	Steno-Typist Grade-II	3
10	D'man-cum-Surveyor	-
11	Electrical Operator (LT)	1
12	Electrical Operator (HT)	1
13	Lab Technician Grade-II	-
14	Assistant	3
15	Steno-Typist Grade-III	3
16	Electrician	7
17	Junior Assistant	14
18	Depot Manager Grade-I	4
19	Depot Manager	9
20	Driver	6
21	Office Assistant/Field Worker	52

**DETAILS OF DEPUTATIONISTS FOR THE PERIOD
FROM 01.04.2012 TO 31.03.2013**

Sl. No.	Tvl.	Name	Designation	Period	
				From	To
1		Apurva Varma, I.A.S.,	Managing Director	01.04.2012	12.12.2012
2		Dr. B.Chandra Mohan, I.A.S.,	Managing Director/Exe.Dir.I/c	13.12.2012	31.03.2013
3		C. Arumugam, I.A. & A.S.,	Finance Director	01.04.2012	31.03.2013
4		P. Baskaran, D.R.O.,	Secretary-cum-General Manager	01.04.2012	31.03.2013
5		N. Balaiah	Public Relations Manager	01.04.2012	31.03.2013
6		R. Udayakumar	Internal Auditor	01.04.2012	31.03.2013
7		S. Suresh	Deputy Controller of Finance (IA)	01.04.2012	31.03.2013
8		G. Mohan	Sub Inspector of Survey	01.04.2012	31.03.2013
9		H. Alexander	Sub Inspector of Survey	01.04.2012	31.03.2013
10		Dr. P.Kamesh Balaji, M.B.B.S.,	Medical Officer	01.04.2012	31.03.2013
11		V. Veeramanikandan	Pharmacist	01.04.2012	31.03.2013

**DETAILS OF APPOINTMENTS MADE DURING THE PERIOD
FROM 01.04.2012 TO 31.03.2013**

Sl.No.	Name of Appointment	Name of Post	Month	No's
1	Compassionate Ground	Field Worker	August	1
2	Through Employment Exchange	Assistant Engineer (Civil /Elec.)	October	40



MASTER HEALTH CHECK UP SCHEME

MASTER HEALTH CHECK UP PROGRAMME for the employees of CMWSSB was inaugurated by Chairman and Honourable Minister Thiru Velumani during the Centenary Celebration of Metro Water held at Kilpauk on 17.12.2014. This programme comprises of a through clinical examination by the Physician, recording the vital parameters and documentation of System-wise examination of body. Lab investigations of blood and urine, ECG, X-ray chest and ultra sonogram of the abdomen, is being extended to all the employees of CMWSSB in a phased manner involving Corporation of Chennai for taking x-ray chest and USG Abdomen. It will also serve as an effective screening programme for various diseases among the employees which usually runs upto the tune of Rs.6000/-per head if done elsewhere, is being provided free of cost.



CMWSSB was established in 1978 in order to take care of the Services of water supply and disposal of Sewages in the Chennai City. Presently there are 3260 employees working in the Board to discharge this function. The disposal of sewage involves in inhaling of poisonous gases and contacting with unhygienic material by the sewage disposing employees which results in injury to the health of this employees. In order to maintain good health of these employees, the Board established dispensary with the facility of laboratory for investigating the blood samples, urine etc for giving timely and effective treatment in order to maintain good health of the employees. A fullfledged doctor who is assisted by the qualified Pharmacist and a Lab Technician is engaged. Annually, Consultation and treatment was given to 13000 cases approximately. On an average sum of Rs.4.00 lakhs has been spent annually on procurement of medicines and other lab equipments apart from payment of salary.



CMWSS BOARD TRAINING CENTRE

Metrowater Training Centre is conducting various in-house training programmes for our staff and CPHEEO sponsored training programmes both for other organization all over India and for our staff. In addition to this special training programme are conducted every year according to the necessity

IN - HOUSE TRAINING PROGRAMMES

In the In-house training programme, 26 courses have been conducted under the following module.

- 1) Operation and Maintenance
- 2) Water Quality
- 3) Sewage disposal
- 4) Human Resource Development
- 5) Project Management
- 6) Financial management.

In the year 2012-13, 1098 staff including Field workers of our Board have been trained in the In-house Training programmes conducted by the Training centre.

SPECIAL TRAINING PROGRAMMES

In addition to the above training programmes, special training programmes have been conducted at the Training Centre.

Sl.No.	Name of the Course	No.of Participants
1	Orientation Training programme for the newly appointed Assistant Engineers	32
2	Maintenance of Service Register and Maintaining Establishment Rules.	175
3	Demonstration and Utilisation of Safety Equipments in Maintaining Sewerage System	1590
TOTAL		1797



AREA & DEPOT DETAILS

S.No.	DESCRIPTION	Area I	Area II	Area III	Area IV	Area V	Area VI	Area VII	Area VIII
1	Name	Thiruvottiyur	Manali	Madhavaram	Tondiarpet	Royapuram	Thiruvallur Nagar	Ambattur	Anna Nagar
2	No. of Depots	14	7	12	15	15	15	15	15
3	Population (as per CoC)	322600	92795	194939	424277	417835	1109287	483357	575016
4	No. of streets	1394	877	2562	2840	1392	2275	2960	2352
5	Length of streets (Km)	221.99	166.91	398.65	441.34	250.42	344.64	362.89	351.43
6	Length of water main (Km)	82.29	171.91	412.55	398.48	270.32	388.71	257.33	401.06
7	Length of sewer main (Km)	56.37	38.23	0	464.11	258.09	356.102	119.74	316.58
8	No of manholes	1893	1697	0	12005	8261	10657	3811	11038
9	No of Pumping Stations	6	2	6	34	21	17	6	29

S.No.	DESCRIPTION	Area IX	Area X	Area XI	Area XII	Area XIII	Area XIV	Area XV	Total
1	Name	Teynampet	Kodambakkam	Valasaravakkam	Alandur	Adyar	Perungudi	Sholinganallur	Chennai
2	No. of Depots	18	16	13	12	13	11	9	200
3	Population (as per CoC)	585899	604888	367465	232974	860084	232482	193255	6697153
4	No. of streets	1776	2367	3095	1700	2794	2697	1820	32901
5	Length of streets (Km)	817.72	439.84	349.27	255.78	406.22	407.48	271.14	5485.72
6	Length of water main (Km)	825.93	487.87	265.58	252.38	449.71	350.23	260.54	5274.88
7	Length of sewer main (Km)	376.73	458.75	525.500	143.45	520.43	9.0	0	3643.08
8	No of manholes	10059	12239	3378	4863	15672	112	0	95685
9	No of Pumping Stations	23	25	7	2	46	2	0	226

LIST OF FIXED ASSETS

SUB SCHEDULE TO SCHEDULE F TO BALANCE SHEET

FIXED ASSETS - WATER SUPPLY	(Rs. in Lakhs) 2012-13
DAMS, RESERVOIRS AND SOURCE RESERVOIRS	1825.10
WELLS INCLUDING TUBE WELLS	3360.95
INFILTRATION GALLERIES	1.59
OPEN CHANNELS	331.65
TRANSMISSION CONDUITS	70355.55
PUMPING PLANT	12896.66
FILTRATION PLANT	207.58
TREATMENT PLANT - WATER SUPPLY	20767.53
TREATED WATER TANKS	4916.60
POWER GENERATORS	636.43
DISTRIBUTION MAINS	67010.26
HYDRANTS	2.32
BOOSTERS AND PUMPING STATIONS	7934.51
SERVICE CONNECTIONS - WATER SUPPLY	12915.07
VENTURI AND FLOW METERS	398.21
CUSTOMERS METERS	172.58
HAND BORING SETS	56.20
PUBLIC FOUNTAINS	369.50
LAND - WATER SUPPLY	1469.36
OTHER CIVIL STRUCTURES - WATER	26687.85
ELECTRICAL EQUIPMENTS - WATER	1365.47
OTHER EQUIPMENTS AND TOOLS - WATER	680.49
CHENNAI CITY TRANSMISSION AND DISTRIBUTION PR	22200.41
MOBILE WATER LORRIES	3.79
PROJECT COMM II - CHENNAI PROJECT	5551.48
PROJECT COMM 530MLD	1616.99
TOTAL	263734.13



Rs. in Lakhs

FIXED ASSETS - SEWERAGE	2012-13
SERVICE CONNECTIONS - SEWERAGE	3697.23
COLLECTION SEWERS	33139.84
PUMPING PLANT	14445.72
POWER GENERATORS	778.57
FORCE & GRAVITY MAINS	15934.89
TREATMENT PLANT - SEWERAGE	4000.80
PILOT PLANTS	68.66
OXIDATION PONDS	0.66
SEWERAGE FARMS	1094.61
OTHER EQUIPMENTS AND TOOLS - SEWERAGE	3081.33
LAND - SEWERAGE	113.27
OTHER CIVIL STRUCTURES	11175.32
ELECTRICAL EQUIPMENTS	4610.82
SEWERAGE MOBILE LORRIES	95.99
PROJECT COMM - CCRCP SEW.	971.52
TOTAL	93209.23

Rs. in Lakhs

FIXED ASSETS - GENERAL	2012-13
LAND - GENERAL	74.92
ROADS & BRIDGES	433.29
BUILDINGS	1753.21
FURNITURE & FIXTURES	248.99
OFFICE EQUIPMENTS - GENERAL	453.10
CONSTRUCTION EQUIPMENTS	1403.50
RESOURCE CENTRE PLANT AND EQUIPMENT	34.84
LABORATORY EQUIPMENT	128.39
SURVEY AND DRAWING OFFICE EQUIPMENT	3.90
COMMUNICATION EQUIPMENT	92.45
OFFICE VEHICLES	328.64
OPEN LORRIES/MINI LORRIES	13.22
OTHER EQUIPMENT - GENERAL	117.87
COMPUTER INSTALLATIONS	927.46
TOTAL	6013.78

**REASONS FOR THE DELAY IN PLACING THE ANNUAL REPORT WITH ANNUAL
ACCOUNTS OF CHENNAI METROPOLITAN WATER SUPPLY AND SEWERAGE
BOARD FOR THE YEAR 2012-13 ON THE TABLE OF THE HOUSE OF
LEGISLATIVE ASSEMBLY**

1	(a)	When the Annual Accounts have to be finalized by the Government Companies as per the instructions of the Finance Department	30.06.2013
	(b)	The actual date of finalisation of Accounts	23.02.2014
	(c)	The reason for not finalizing the Accounts on due date	The accounts of 42 Local Bodies having different methods of accounting methods were integrated with CMWSS Board and number of Area Offices have been increased to 15. Due to the above reason, the Accounts could not be finalised within the scheduled time.
2	(a)	When the auditors have to be appointed to audit the accounts	As and when C&AG recommended the Auditor
	(b)	The date on which the auditors were appointed	05.12.2013
	(c)	The reasons for not appointing the auditor on the due date	Board meeting was not held for a period of five months.
3	(a)	When the auditors have to finalise the audit	31.10.2013
	(b)	The actual date of finalizing the audit	23.05.2014
	(c)	The reasons for not finalizing the audit on the due date	A Consultant was appointed for verification and valuation of the Assets and Liabilities of the 42 Local Bodies, after physical taking over of Assets and Liability by Board. The Consultant took more time to collect the records and details from 42 Local Bodies. They submitted their report based on which the accounts of erstwhile Local Bodies have been integrated with CMWSS Board accounts. Due to the above reason, the Accounts could not be produced to Auditors within the scheduled time.
4	(a)	When the comments of the Accountant General have to be obtained	Not applicable
	(b)	The actual date on which the comments were received	Not applicable
	(c)	The reasons for delay if any	Not applicable
5	(a)	The date on which the Annual accounts have to be placed before Board meeting	30.11.2013
	(b)	The date on which actually placed	30.07.2014



	(c)	The reasons for delay	A Consultant was appointed for verification and valuation of the Assets and Liabilities of the 42 Local Bodies, after physical taking over of Assets and Liability by Board. The Consultant took more time to collect the records and details from 42 Local Bodies. They submitted their report based on which the accounts of erstwhile Local Bodies have been integrated with CMWSS Board accounts. Due to the above reason, the Accounts could not be produced to Auditors within the scheduled time.
6	(a)	The date on which the printed annual report have to be received	31.12.2013
	(b)	The reasons for not receiving on due date	A Consultant was appointed for verification and valuation of the Assets and Liabilities of the 42 Local Bodies, after physical taking over of Assets and Liability by Board. The Consultant took more time to collect the records and details from 42 Local Bodies. They submitted their report based on which the accounts of erstwhile Local Bodies have been integrated with CMWSS Board accounts. Due to the above reason, the Accounts could not be produced to Auditors within the scheduled time.
7	(a)	The date on which the accounts have to be sent to the Government	31.12.2013
	(b)	The actual date on which the accounts were sent	13.10.2014
	(c)	The reason for delay if any	Additional Information relating to Projects along with photographs were included.
8	(a)	The date on which the annual report were received by the Government	16.10.2014
	(b)	The time taken to review the report	65 days
	(c)	Reasons for delay	---
9	(a)	The date on which the annual accounts should be placed on the Table of the Legislative Assembly	Before 31.03.2014
	(b)	The date on which the Annual accounts should be sent to Legislative Assembly	At the time of discussion of Grants for MAWS Department - Subject (Budget Session).

Thiru. K. PHANINDRA REDDY
Principal Secretary to Government