

ANNUAL REPORT 2011-12



CHENNAI METROPOLITAN WATER SUPPLY
AND SEWERAGE BOARD

CHENNAI METRO WATER



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DIRECTORS OF THE BOARD AT PRESENT



CHAIRMAN

Thiru. S.P. Velumani, M.A., M.Phil.,
Minister for Municipal Admn.
Rural Development,
CMWSS Board.

FULLTIME 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, IA & AS.,
Finance Director
CMWSS Board.



Thiru. T.V. Prabhakar, M.E.,
Engineering Director,
CMWSS Board.



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



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



Thiru. R. Venkatesan, I.A.S.,
Member Secretary,
CMDA.



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



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



DIRECTORS OF THE BOARD - REPORT PERIOD



CHAIRMAN

Thiru. K.P. Munusamy B.A., B.L.,
Minister for Municipal Admn.
Rural Development & Chairman,
CMWSS Board.
05.11.2011 to 31.03.2012

FULLTIME DIRECTORS



Thiru. Rajesh Lakoni, I.A.S.,
Managing Director,
01.04.2011 to 22.06.2011



Dr. K. Gopal I.A.S.,
Managing Director,
22.06.2011 to 07.02.2012



Tmt. Sheela Balakrishnan, I.A.S.,
Addl. Chief Secretary to Govt.,
MA & WS Department,
Managing Director i/c,
07.02.2012 to 08.03.2012



Thiru. Apurva Varma, I.A.S.,
Principal Secretary,
Managing Director,
08.03.2012 to 31.03.2012



Thiru. K. Maharabushanam, I.A.S.,
Executive Director,
01.04.2011 to 03.06.2011



Thiru. C. Arumugam I.A.S.,
Finance Director,
From 29.09.2011 to 31.03.2012



Thiru. K. Vaithilingam B.E.,
Engineering Director,
01.04.2011 to 31.10.2011



Thiru. C. Prakasam B.E.,
Engineering Director,
01.11.2011 to 31.03.2012

EX. OFFICIO DIRECTORS - REPORT PERIOD



Tmt. Sheela Balakrishnan, I.A.S.,
Addl. Chief Secretary to Govt.,
MA & WS Department, Director
09.12.2011 to 31.03.2012



Thiru. K. Shanmugam, I.A.S.,
Principal Secretary to Govt.,
Finance Department,
Secretariat, Director,
01.04.2011 to 31.03.2012



Thiru. S. Karuthiah Pandian, I.A.S.,
Secretary to Government
MA & WS Dept. & Director,
01.04.2011 to 08.12.2011



Dr. D. Karthikeyan I.A.S.,
Commisioner,
Corporation of Chennai,
Director,
01.04.2011 to 30.11.2011



Thiru. P.W.C. Davidar, I.A.S.,
Commisioner,
Corporation of Chennai,
Director,
01.12.2011 to 31.03.2012



Thiru. R. Venkatesan, I.A.S.,
Member Secretary,
CMDA, Director,
01.04.2011 to 31.03.2012



Thiru. Gagandeep Singh Bedi, I.A.S.,
Managing Director,
TWAD Director,
01.04.2011 to 13.06.2011



Thiru. R. Sudalaikannan, I.A.S.,
Managing Director,
TWAD Director,
14.06.2011 to 30.08.2011



Thiru. PEKAMBARAM I.A.S.,
Managing Director,
TWAD Board Director .
01.09.2011 to 31.03.2012

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 and headed by 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 in the public approach the depot offices for their requirements, complaints etc. Now the Board has expanded upto 15 Area Offices and 200 Depots. The Board has 2 Functional Regional Offices , 1 dealing with the Board's surface water sources at Redhills, Cholavaram, Poondi and the Kilpauk Water Works and 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 the sources of water has been increased by implementing the following projects .

1. Krishna Water Supply Scheme:

An agreement was signed jointly 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 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 had been deleted from the Property Tax levied by the Chennai Municipal Corporation and the Board in turn has been authorised 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 authorises 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 divided by 2 and 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 also mostly collecting the water charges from public at a flat rate.

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



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, surveys on availabilities, usage of water and other relevant matters and periodical evaluation, continuous monitoring of the execution and recasting the 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 CMWSSB Act 1978(Act 28 of 1978).

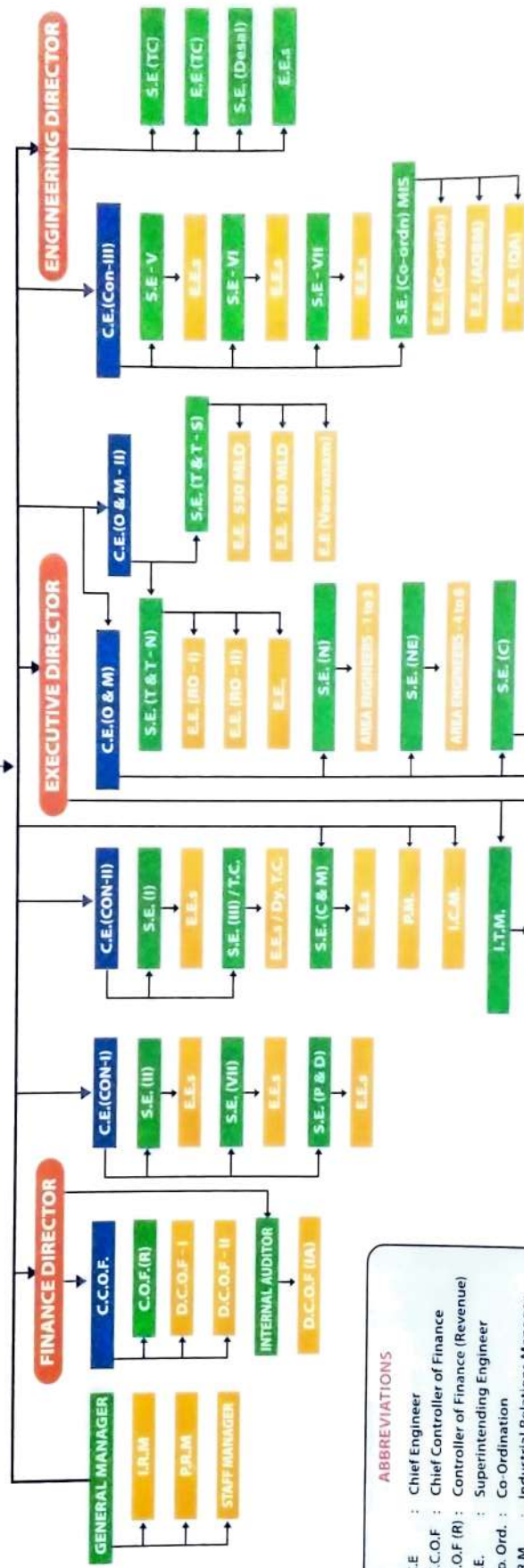




METROWATER BOARD - ORGANISATION CHART

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
T.M.	: 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

The Chennai city Water Supply sources are Surface sources and Ground water sources. 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 Somaseela 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). The ground water sources are the Well Fields located at Poondi, Tamarai pakkam, Flood plains, Kannigaipair, Panjetty, Minjur 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

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

2.b. STORAGE LEVEL OF LAKES

(in mcft)

Sl. No.	Name of the Lake	Full storage capacity	Storage			
			June 2010	Nov. 2010	June 2011	Nov. 2011
1	Poondi	3231	1195	1795	1700	2666
2	Cholavaram	881	98	431	218	684
3	Redhills	3300	2004	1581	2207	3062
4	Chembarambakkam	3645	2106	1527	1822	2735
5	Veeranam	1465	1124	704	0	687

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



OPERATION AND MAINTENANCE

i) OPERATIONAL AREA

During the operational area of the CMWSSB has increased from 174 sq.km. to 426 sq.km. consequent on the recent inclusion of 42 adjacent local bodies within the Chennai City limits.

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 through the entire city through 16 major and 30 minor distribution stations and a network of 5275 KM water distribution mains laid in the city. In 2011 - 12, an average of 2000 trips are made through lorries from filling points located at 28 places by operating about 187 nos. of 9 KL and 77 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 is treated at Vadakuthu Water Distribution Station and then distributed to Chennai City. 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).

SL No	Treatment Plant	Capacity in MLD	Established in	Present treatment	Reason for gap
1	Kilpauk	270	1914 Refurbished in 2005	235	Conduit to be refurbished
2	Redhills	300	1996	210	Additional intake provisions to be made
3	Veeranam	180	2004	180	
4	Chembarambakkam	530	2007	266	Additional pipeline to be laid
5	Surapet	14	Taken over from TWAD in 2009	11.5	
6	Desalination Plant at Minjur	100	2010	100	
Total Treatment Capacity		1394			



iv) RAINWATER HARVESTING

Tamil Nadu is pioneer in the field of Rainwater Harvesting, thanks to the visionary efforts of the Hon'ble Chief Minister. The Chennai Metropolitan Water Supply and Sewerage Board has taken various measures to popularise Rainwater Harvesting among the residents of Chennai city.

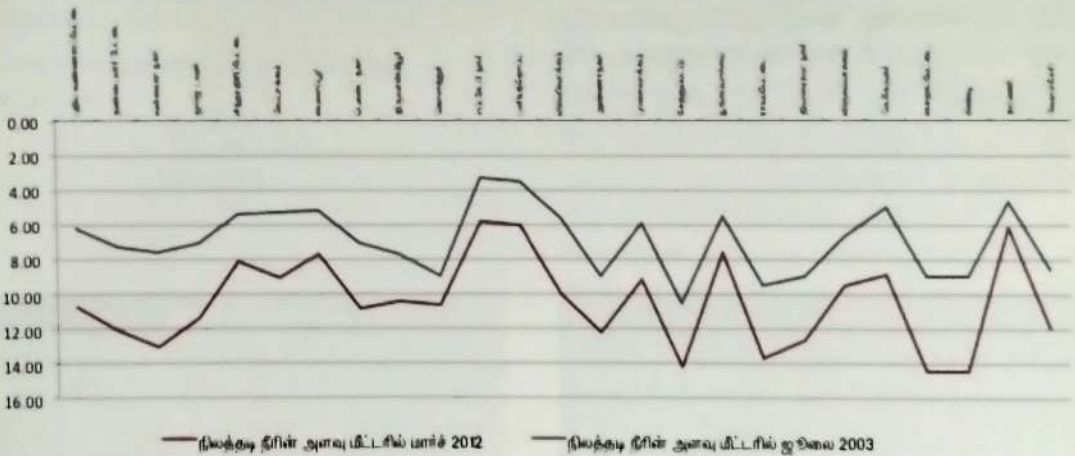
Based on the efforts taken by the Chennai Metropolitan Water Supply and Sewerage Board, a total number of 8,00,000 Rainwater Harvesting structures have been installed in Chennai city. Proper maintenance of Rainwater Harvesting structures which was around 40% of the total structures increased to around 90% after the awareness campaign conducted by Chennai Metropolitan Water Supply and Sewerage Board.

The Chennai Metropolitan Water Supply and Sewerage Board has taken various means of campaigning to popularize

the methods and maintenance of Rainwater Harvesting structures through print and electronic Media, FM Radio, Display through Flex banners, issue of pamphlets / stickers and display of float with working model.



Awareness Creation To Residents Of Chennai City Through Rain Water Harvesting Live Models



V) EFFORTS TAKEN BY THE BOARD TO MAINTAIN QUALITY OF WATER

The Expanded Chennai City has an area of about 426 sq. km. and it 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 were 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 and checked until conformity to standards.

Whenever a pollution complaint is received the Field Engineers investigate and if necessary the piped supply is disconnected and arrange for Mobile water. 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.



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 of 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 (2 units : 23+40 mld)	63	63
2	Kodungaiyur (3 units : 110+80+80 mld)	270	155
3	Koyambedu (2 units : 34+60 mld)	94	80
4	Perungudi (2 units : 54+60 mld)	114	104
5	Villivakkam (1 unit : 5 mld)	5	5
6	Alandur (1 unit : 12 mld)	12	12
	Total (11 units)	558	419

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 Nesapakkam (54 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 2011 - 12, 80 Desilting Machines, 83 Jet Rodding Machines 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 through Wide Area Network (WAN). The consumers, irrespective of their name, address, location with nature of complaint 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 2011-12, 2,35,277 No. of complaints were received from the consumers and redressed.

LIST OF WORKS ADMINISTRATIVELY SANCTIONED DURING THE YEAR 2010-2011

WATER

S.no	Name of the work	Estimate amount in Crores	Admini stratively Sanctioned date
1	Providing Comprehensive water supply scheme to Madhavaram Municipality	55.00	21.2.11

SEWER

S.no	Name of the work	Estimate amount in Crores	Sanctioned date
1	Providing Sewerage facilities to Ambattur Municipality Phase-I (Balance works)- Providing collection system, Construction of pumping station and laying of force main/gravity main in Zone-1A,I,II,III&IV	35.86	5.5.10
2	Designing, Providing, Constructing, Erecting and commissioning of 30 MLD capacity STP based on SBR Technology at Durgas road in West Tambaram as DBOT basis including operation & maintenance for 5 years	29.00	20.2.09
3	Providing Sewerage facilities to TNSCB Tenements at AIR Land Thiruvottur- Construction of Sewage pumping station and laying of force main(CI)	1.34	13.8.10
4	Laying 700mm dia C.I Pumping main from Zone-IV Relay Sewage Pumping Station to the proposed STP at West Tambaram and laying 400mm dia C.I Pumping main from zone II Sewage pumping station to Zone-IV Sewage pumping station	21.36	20.02.09



LIST OF WORKS ADMINISTRATIVELY SANCTIONED DURING THE YEAR 2011-2012

WATER

S.no	Name of the work	Estimate amount in Crores	Sanctioned date
1	Providing water supply facilities to TNSCB Tenements at Perumbakkam-Supplying and Laying of Conveying main upto the proposed UGT I & II	1.07	26.9.11
2	Providing Water supply to SIPCOT Industrial Park at Thervoy Kandigai-Package I	1.30	10.11.11
3	Providing Water supply to SIPCOT Industrial Park at Thervoy Kandigai-Package II	2.10	10.11.11
4	Providing Water supply to SIPCOT Industrial Park at Thervoy Kandigai-Package III	22.60	10.11.11
5	Providing Water supply to SIPCOT Industrial Park at Thervoy Kandigai-Package IV	28.00	10.11.11
6	Providing water supply facilities to TNSCB Tenements (8048 nos) at Okkium -Thoraipakkam	3.53	10.5.12
7	Supplying, Laying, Jointing, Testing and Commissioning of Second row of mild steel spirally welded pipes of nominal diameter 2000mm from Chembaramakkam water treatment plant to Poonamallee Bye-pass junction near Saveetha Dental College via Poonamallee Bye-pass road	43.75	28.2.12
8	Providing water supply facilities to Meenambakkam	0.39	7.2.12

SEWER

S.no	Name of the work	Estimate amount in Crores	Sanctioned date
1	Providing Sewerage facilities to TNSCB Tenements (8048 nos) at Okkium - Thoraipakkam	2.13	10.5.12
2	Providing Sewerage facilities to Meenambakkam	3.50	7.2.12

PROJECT FUNDING PATTERN

S.NO	PROJECT WORKS	Contract Value (Rs. In Lakhs)	FUNDING PATTERN	PROGRESS	
				PHYSICAL (%)	FINANCIAL (%)
WATER SUPPLY SCHEMES:					
1	100 MLD Desalinatin Plant at Nemmeli	533.38 + 500.30	GOVT Grants	89.33%	66.83%
2	Ambattur Water Supply Scheme (ULB)	18276.62	JNNURM Fund	88.57%	56.96%
3	Nerkundram Water Supply Scheme (ULB)	1460.22	JNNURM Fund	17.32%	17.94%
4	Maduravoyal Water Supply Scheme (ULB)	1690.67	JNNURM Fund	70.53%	58.80%
5	Ullagaram Puzhuthivakkam Water Supply Scheme (ULB)	1750.00	JNNURM Fund	61.78%	37.66%
6	Thiruvottiyur Water Supply Scheme (ULB)	7120.00	JNNURM Fund	43.65%	41.55%
7	Avadi Water Supply Scheme (ULB)	8329.00	JNNURM Fund	87.80%	61.46%
8	Alandur Water Supply Scheme	3738.00	JNNURM Fund	49.45%	46.73%
9	Improvement to Water / Distribution station in to Chennai City	31266.00	JNNURM Fund	89.66%	66.83%
10	I.T Corridor Works	4177.00	JNNURM Fund	82.93%	89.79%
SEWERAGE SCHEMES:					
11	Maduravoyal Underground Sewerage Scheme (ULB)	4691.67	JNNURM Fund	38.03%	22.08%
12	Porur Underground Sewerage Scheme (ULB)	3441.29	JNNURM Fund	20.05%	18.37%
13	Ambattur Underground Sewerage Scheme (ULB)	12384.00	JNNURM Fund	33.96%	29.39%
14	Ullagaram Puzhuthivakkam UGSS (ULB)	2780.13	JNNURM Fund	31.25%	24.18%
15	Perungudi Underground Sewerage Scheme (ULB)	2195.04	JNNURM Fund	49.06%	24.27%
16	Pallikaranai Underground Sewerage Scheme (ULB)	4611.68	JNNURM Fund	32.37%	18.30%
17	Thiruvottiyur Underground Sewerage Scheme (ULB)	5475.00	TNUDP - III Fund	71.48%	27.62%
18	Madhavaram Underground Sewerage Scheme (ULB)	4133.00	TNUDP - III Fund	77.75%	49.52%
19	Avadi Underground Sewerage Scheme (ULB)	17352.00	JNNURM Fund	53.04%	46.88%
20	Thirumazhisai Underground Sewerage Scheme (ULB)	1624.33	JNNURM Fund	52.87%	44.46%
21	Tambaram Underground Sewerage Scheme (ULB)	14464.00	JNNURM Fund	45.86%	20.30%
22	Perungudi Sewerage Treatment plant (ULB)	5244.00	JNNURM Fund	100%	84.50%
23	Nesappakkam - 54 MLD	4843.52	JNNURM Fund	84%	62.37%



100 MLD Desalination Plant at Nemmeli

Population- 15,00,000

Streets-2794

Fund: ACA

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

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

Estimate value (in Crore)	Contract value (in Crore)
740.52	533.38+500.30



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	30.12.09	23.02.10	31.12.11	31.12.13

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Supply		-	48%	50%	98%
Erection		-	20%	60%	80%
Civil& Structural		5%	65%	20%	90%

Financial Progress/in Lakhs

	10-11	11-12	Cumulative
Funds Received	300.00	126.84	426.84
Expenditure	164.65	191.81	356.46



NEMMELI DESAL CONVEYANCE SYSTEM

Fund: GOI

Client: CMWSSB

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

Estimate value (in Lakhs)	Contract value (in Lakhs)
14561.60	12249.70

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
20	30.12.09	24.02.10	23.10.11	Feb- 2013

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Pipe Laying in(m)	64370	45920	12320	58240
Construction of UGT&Pumphouse(4No)	100%	42%	50%	92%

Financial Progress/in Lakhs

	10-11	11-12	Cumulative
Funds Received	30000.00	12684.00	42684.00
Expenditure	7394.63	3716.37	11111.00



AMBATTUR WATER SUPPLY SCHEME

Population	4,42,252	Streets	2350
year	Base 2009	Intermediate 2024	Ultimate 2039

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	9347.80
GoTn	15%	4006.20
Local Body	50%	13354.00
Total	100%	26708.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
20480	18276.62



ATTHIPATTU UGT & OHT

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	30.09.09	28.10.09	27.10.11	30.06.13

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Distribution Main in (m)	501880	89074	320562	73148	482784
Providing Conveying main in (m)	16846	0	8992	4191	13183
House service connection in (no)	53766	0	26397	19285	45682
Construction of OHT	22no	1%	73%	18%	92%
Construction of UGT	11no	2%	48%	40%	90%
Construction of Pump House	19no	2%	14%	74%	90%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	3100.00	9450.00	1360.00	13910.00
Expenditure	4364.48	7798.54	3048.68	15211.70



NERKUNDRAM WATER SUPPLY SCHEME

Population- 12,869		Streets-562	
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

G.O. No.43 Dt: 26.02.10, Rs.1917Lakhs.

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	670.95
GoTn	15%	287.55
Local Body	50%	958.50
Total	100%	1917.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
1730.00	1460.22

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
18	28.07.10	24.01.11	23.07.12	31.03.14

Physical Progress of work

Description	Total Qty	11-12	Cumulative
Distribution Main in (m)	66540	48388	48388
Conveying main in (m)	1000	-	-
Feeder main in (m)	3672	-	-
House service connection in (no)	12921	3386	3386
Construction of OHT in (no)	4	5%	5%
Construction of UGT in (no)	1	-	-

Financial Progress/in Lakhs

	11-12	Cumulative
Funds Received	680.00	680.00
Expenditure	343.90	343.90



MADURAVOYAL WATER SUPPLY SCHEME

Population- 1,31,200	Streets-740		
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

G.O. No.407, dated 31.08.2007, Rs. 2330 Lakhs.

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	815.50
GoTn	15%	349.50
Local Body	50%	1165.00
Total	100%	2330.00

Package	Estimate value (in Lakhs)	Contract value (in Lakhs)
I	233.00	275.27
II	1910.00	1415.40



OHT AT ALAPAKKAM

Package	Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
I	15	05.05.08	22.08.08	21.11.09	Aug -09
II	24	25.03.10	23.04.10	22.04.12	22.12.13

Physical Progress of work

Description	Total Qty	08-09	09-10	10-11	11-12	Cumulative
Distribution Main in (m)	106659	12923	-	35410	52790	101123
Pumping main in (m)	577	500	77	-	-	577
House service connection in (no)	14945	-	-	250	2335	2585
Construction of OHT in (no)	4no	-	-	47%	23%	70%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	200.00	100.00	370.00	125.00	795.00
Expenditure	6.60	473.64	501.03	388.74	1370.01

ULLAGARAM PUZHUTHIVAKKAM WATER SUPPLY SCHEME

Population	1,09,789	Streets 497	
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	848.40
GoTn	15%	363.60
Local Body	50%	1212.00
Total	100%	2424.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
2242.00	1750.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	21.06.10	09.07.10	08.07.12	31.03.14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Distribution Main in (m)	77891	16849	54276	63574
Feeder main in (m)	5650	-	4758	4758
Conveying main in (m)	4050	-	1178	1178
Construction of OHT (6no)	100%	7%	36%	43%
Construction of UGT (6no)	100%	30%	41%	81

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	303.00	-	314.80	671.22	1289.02
Expenditure	-	-	347.00	565.92	912.92



THIRUVOTTIYUR WATER SUPPLY SCHEME

Population-	3,78,000	Streets-1235	
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

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

Rs.8511.70Lakhs.

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	2979.10
GoTn	15%	1276.75
Local Body	50%	4255.85
Total	100%	8511.70

Estimate value (in Lakhs)	Contract value (in Lakhs)
8800.00	7120.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	06.05.10	20.07.10	19.07.12	19.01.14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Distribution Main in (m)	172775	19440	98805	118245
Conveying main in (m)	13336	-	4295	4295
House service connection in (no)	22719	-	9990	9990
Water Distribution Station(6no)	100%	3%	27%	30%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	1064.00	-	-	2763.48	3827.48
Expenditure	-	-	2359.33	1177.31	3536.64



AVADI WATER SUPPLY SCHEME

Population- 4,29,000	Streets-1445		
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	3634.00
GoTn	15%	1558.00
Local Body	50%	5192.00
Total	100%	10384.00

Estimate value in (in Lakhs)	Contract value (in Lakhs)
10384.00	8329.00



AVADI WATER SUPPLY SCHEME - PACKAGE-I

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	09.02.09	27.02.09	10.11.11	Feb-2014

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Distribution Main in (m)	329221	78184	172736	59585	310505
Conveying main in (m)	18128	5519	5530	3251	14300
Over head Tank (8 no)	100%	2%	77%	6%	85%
Underground Tank (7no)	100%	21%	68%	4%	93%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	2500.00	2615.00	1175.00	6290.00
Expenditure	3898.94	1064.56	1418.21	6381.71

ALANDUR WATER SUPPLY SCHEME

Population- 2,86,000		Streets-816	
year	Base	Intermediate	Ultimate
	2010	2025	2040

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	2253.60
GoTn	15%	1965.90
Local Body	50%	3219.50
Total	100%	6439.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
6439.00	3738.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	01.12.09	23.12.09	22.12.11	30.11.13

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Distribution Main in (m)	14756	77045	40875	117920
Feeder main in (m)	10804	1500	2800	4300
Construction of UGT (5no)	100%	58%	30%	88%
Construction of OHT (6no)	100%	30%	27.5%	57.5%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	809.46	856.89	685.84	1045.15	3397.94
Expenditure	809.46	856.89	654.00	688.86	3009.21



IMPROVEMENT OF WATER SUPPLY SERVICES TO CHENNAI CITY

Beneficiaries - Chennai city
Fund: JNNURM

G.O No.42, dt 19.02.2007.

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



Estimate value (in Lakhs)	Contract value (in Lakhs)
32379.00	31266.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
12 to 24	29.08.07	18.10.2007	09.02.11	Mar-14

Physical Progress of work

Description	Total Qty	07-08	08-09	09-10	10-11	11-12	Cumulative
Construction of WDS	4	29%	34%	21%	14%	1%	99%
Strengthening of Distribution System	251802	-	49450	59560	28954	47945	185909
LDR Work							
Renewal of Mains	51400	-	-	13593	21113	10919	45625
Renewal of HSC	8533	-	-	1939	3317	2278	7534
Isolation of Zones by providing valve	700	-	-	54	232	403	689

Financial Progress/in Lakhs

	07-08	08-09	09-10	10-11	11-12	Cumulative
Funds Received	2012.50	6528.99	5601.99	5193.14	2183.02	21519.64
Expenditure	2033.77	5278.66	8895.57	3128.62	2183.02	21519.64



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

year	Population- 6,41,000	Streets-12 Sub- Urban nodes
	Base 2006	Intermediate 2021 Ultimate 2036

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	1462.00
GoTn	15%	626.00
Loan TUFIDCO	25%	1044.50
Own Contribution	25%	1044.50
Total	100%	4177.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
4785.00	4177.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
6 to 12	24.03.07	23.04. 07	22.04.08	31.03.14

Physical Progress of work

Description	Total Qty	08-09	09-10	10-11	11-12	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	12133
Construction of Head works (1 No.)	100%	-	100%	-	-	100%
Construction of STP (2 Nos.)	100%	-	-	-	-	-

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	905.22	783.22	728.32	78.60	2495.36
Expenditure	1500.11	1134.74	818.71	297.00	3750.56



MADURAVOYAL UNDERGROUND SEWERAGE SCHEME

Population- 1,31,200	Streets- 740		
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	2010.93
GoTn	15%	861.80
Local Body	50%	2872.75
Total	100%	5745.50

Package	Estimate value in (in Lakhs)	Contract value (in Lakhs)
I	3125.00	2177.28
II	2971.00	2514.39

Package	Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
I	24	28.07.10	15.09.10	14.09.12	March -14
II	24	18.08.09	05.11.09	04.11.11	March -14



Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Collection Line in (m)	81940	4700	13600	21392	39692
Manholes in (no)	3280	260	663	931	1854
House service connection in (no)	12400	-	1206	2810	4016
Pumping main in (m)	9950	-	1723	1242	2965
Pumping Station in (no)	6	-	16%	7%	23%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	400.00	350.00	300.00	1050.00
Expenditure	64.85	762.56	441.26	1268.67

PORUR UNDERGROUND SEWERAGE SCHEME

Population- 1,28,000		Streets-451	
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

G.O No. (2D) 66, Dt: 20.07.09, Rs.3829.00Lakhs.

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	1340.15
GoTn	15%	574.35
Local Body	50%	1914.50
Total	100%	3829.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
3829.00	3441.29



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	21.06.10	16.09.10	15.09.12	March-14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Collection Line in (m)	60440	6090	9751	15841
Manholes in (no)	2223	333	595	928
House service connection in (no)	13338	265	1172	1437
Pumping main in (m)	4107	-	-	-
Pumping Station in (no)	4	5%	16.5%	21.5%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	628.00	-	50.00	678.00
Expenditure	150.00	-	553.54	703.54

AMBATTUR UNDERGROUND SEWERAGE SCHEME - PHASE-III

Population- 2,57,319		Streets-1100	
year	Base 2009	Intermediate 2024	Ultimate 2039

Fund: JNNURM

G.O (2D) No.81, Dt: 22.05.08, Rs.13091.00Lakhs.

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	4581.85
GoTn	15%	1963.65
Local Body	50%	6545.50
Total	100%	13091.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
15522.00	12384.00



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	29.06.09	16.09.09	15.09.11	31.03.14

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Collection system in (m)	180879	16634	20338	28760	65732
Manholes in (no)	6860	718	1183	1668	3569
Pumping main in (m)	33422	138	3331	9020	12489
House service connection in (nos.)	41160	710	2100	2982	5792
Pumping Station (18 nos.)	100%	2%	13%	15%	30%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	350.00	1500.00	2200.00	4050.00
Expenditure	506.67	2045.93	1295.72	3848.32



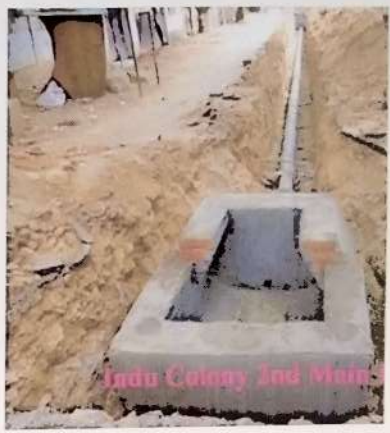
ULLAGARAM PUZHUTHIVAKKAM UNDERGROUND SEWERAGE SCHEME

Population- 1,09,789	Streets-497		
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

G.O No (2D).70, Dt: 07.05.08, Rs.2808.00Lakhs.

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	982.82
GoTn	15%	421.20
Local Body	50%	1404.03
Total	100%	2808.05



Estimate value (in Lakhs)	Contract value (in Lakhs)
3401.00	2780.13

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	07.12.10	24.01.11	23.01.13	31.03.14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Sewer Line in (m)	67868	1459	18241	19700
Manholes in (no)	2409	192	862	1054
Pumping main in (m)	9500	-	2301	2301
Pumping Station (3 nos.)	100%	3%	25%	28%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	142.50	208.50	-	947.42	1298.42
Expenditure	-	-	247.00	432.08	679.08



PERUNGUDI UNDERGROUND SEWERAGE SCHEME



Population- 1,59,507		Streets-263	
year	Base	Intermediate	Ultimate
	2010	2025	2040

Fund: JNNURM

G.O (D) No.544, Dt: 24.12.09, Rs.2019.00 Lakhs.

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	706.73
GoTn	15%	302.89
Local Body	50%	1009.62
Total	100%	2019.24

Estimate value (in Lakhs)	Contract value (in Lakhs)
2072.00	2195.04

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	20.09.10	24.11.10	23.11.12	31.03.14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Sewer Line in (m)	38500	2510	16170	18680
Manholes in (no)	1550	240	672	912
Pumping main in (m)	1110	-	776	776
Pumping Station (3 nos.)	100%	-	19%	19%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	252.40	-	-	903.82	1156.22
Expenditure	-	-	149.00	341.02	490.02



PALLIKARANAI UNDERGROUND SEWERAGE SCHEME

Population- 2,14,156		Streets-681	
year	Base	Intermediate	Ultimate
	2010	2025	2040

Fund: JNNURM

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

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	2051.35
GoTn	15%	879.15
Local Body	50%	2930.50
Total	100%	5861.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
5253.00	4611.68



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	07.12.10	11.02.11	10.02.13	31.03.14

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Sewer Line in (m)	86459	198	37631	37829
Manholes in (no)	3237	105	1782	1887
Pumping main in (m)	13521	-	1679	1679
Pumping Station (4 nos.)	100%	-	15%	15%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	512.00	-	673.54	1648.68	2834.22
Expenditure	-	-	461.00	611.62	1072.62



THIRUVOTTIYUR UNDERGROUND SEWERAGE SCHEME

Population- 3,31,000		Streets-372	
year	Base	Intermediate	Ultimate
	2002	2017	2032

Fund: TNUDP-III

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

Source	% of Project Cost	Amount (in Lakhs)
TNUDP-III Loan	8.9%	781.00
Grant by TNUDF	3.4%	300.00
Local body contribution & Public contribution	8.2%	719.00
Additional Grant	79.5	6963.00
Interest during construction	-	94.00
Total	100%	8857.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
6128.00	5475.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
15 to 24	02.03.07	08.05.07	13.03.13	28.02.14

Physical Progress of work

Description	Total Qty	07-08	08-09	09-10	10-11	11-12	Cumulative
Collection System in (m)	69840	15326	13144	16995	8996	5437	59898
Pumping main in (m)	7660	-	-	-	-	2055	2055
Manholes in (no)	2625	723	520	721	347	187	2498
House service connection in (no)	78466	4030	10754	17154	17321	8132	57391
Pumping Station (18 nos.)	100%	27%	13%	3%	3%	2%	48%
STP	100%	-	-	-	-	-	-

Financial Progress/in Lakhs

	07-08	08-09	09-10	10-11	11-12	Cumulative
Funds Received	400.00	250.00	520.00	852.00	280.00	2302.00
Expenditure	267.63	245.46	418.54	540.11	974.90	2446.64



MADHAVARAM UNDER GROUND SEWERAGE SCHEME

Population- 1,25,000	Streets-498		
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: TNUDF

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

Source	% of Project Cost	Amount (inLakhs)
Loan from TNUDF	25.47%	1279.00
Loan from Grant fund	60.73%	3050.00
ULB contribution	13.80%	693.00
Total	100%	5022.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
5022.00	4133.00



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	12.01.09	03.03.09	02.03.11	28.02.14

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Sewer Line in (m)	82421	14148	19970	30240	64358
Manholes in (no)	2983	507	845	1227	2579
Pumping main in (m)	7954	-	1803	4677	6480
Pumping Station (6 nos.)	100%	7%	13%	45%	65%

Financial Progress/in Lakhs

	08-09	09-10	10-11	11-12	Cumulative
Funds Received	20.00	870.00	438.77	700.00	2028.77
Expenditure	2.98	320.87	926.69	1236.53	2487.07



AVADI UNDERGROUND SEWERAGE SCHEME

Population- 4,29,000		Streets-1713	
year	Base	Intermediate	Ultimate
	2008	2023	2038

Fund: JNNURM

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

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	5531.89
GoTn	15%	2370.81
Local Body	50%	7902.71
Total	100%	15805.41

Estimate value (in Lakhs)	Contract value (in Lakhs)
15805.41	17352.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
30	31.12.08	24.02.09	03.04.14	31.03.14

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Sewer line	293642	69839	46444	82809	199092
Manholes in (no)	10900	3113	1539	3137	7789
Pumping main in (m)	31601	3070	7343	8522	18935
Pumping Station (19 nos.)	100%	19%	28%	19%	66%
STP (2 Nos.)	100%	-	-	-	-

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	2095.00	3050.00	3100.00	8245.00
Expenditure	1822.49	3295.86	2291.65	7410.00



THIRUMAZHISAI UNDER GROUND SEWERAGE SCHEME

Population- 37,264	Streets-111		
year	Base	Intermediate	Ultimate
	2010	2025	2040

Fund: JNNURM

G.O (D) No.544,MA&WS(TP2)Dept. Dt: 24.12.09,
Rs.2047.00 Lakhs.

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	716.56
GoTn	15%	307.10
Local Body	50%	1023.66
Total	100%	2047.32

Estimate value (in Lakhs)	Contract value (in Lakhs)
2047.32	1624.33



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	30.12.09	15.02.10	14.02.12	31.10.13

Physical Progress of work

Description	Total Qty	10-11	11-12	Cumulative
Sewer line (m)	26590	11910	4763	16673
Manholes in (no)	1028	620	168	788
Pumping main in (m)	1971	292	299	591
Pumping Station (4 nos.)	100%	42%	25.5%	67.5%
STP (1 No.)	100%	0%	27.5%	27.5%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	300.00	350.00	270.00	920.00
Expenditure	168.18	527.58	214.34	910.10



TAMBARAM UNDER GROUND SEWERAGE SCHEME

Population- 3,61,000

Streets-995

year	Base 2010	Intermediate 2025	Ultimate 2040
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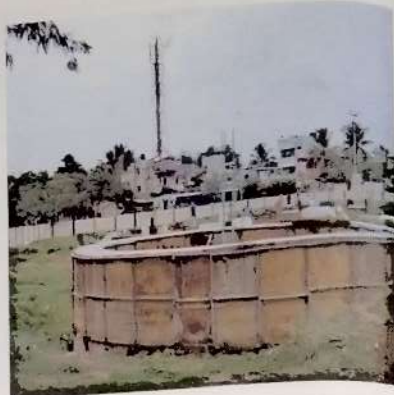
Fund: JNNURM

G.O no: 80,(MA & WS)Dept Dt: 28.05.2009,

Rs. 16097 Lakhs.

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	5634
GoTn	15%	2414
Local Body	50%	8049
Total	100%	16097

Estimate value (in Lakhs)	Contract value (in Lakhs)
17424.00	14464.00



Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	30.09.09	11.12.09	10.12.11	31.03.14

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Sewer line in (m)	176551	6793	48862	26661	82316
Manholes in (no)	6767	474	3188	1009	4671
Pumping main in (m)	23079	-	4939	2165	7104
Pumping Station (17 nos.)	100%	-	24%	13%	37%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	100.00	1960.00	1022.00	3082.00
Expenditure	114.03	2015.17	1138.77	3267.97



PERUNGUDI 60MLD SEWAGE TREATMENT PLANT

Beneficiaries - SouthChennai

Fund: JNNURM

Board Vide Res.No.178/2008 dt.11.08. 08, Rs.6119Lakhs

Source	% of Project Cost	Amount (inLakhs)
GOI	35%	1101.793
GoTn	15%	472.197
Loan (TUFUDCO)	25%	786.995
CMWSSB	25%	786.995
Over & above the JNNURM approved cost by CMWSSB		2096.02
Total		5244.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
6119.00	5244.00

Contract Period (in months)	Date Of Award	Date Of Commencement	Date of Completion	Programmed Date Of Completion
24	24.02. 09	20.05. 09	19.05. 11	31.12. 11

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Civil Works	100%	27%	58.6%	14.4%	100%
Mechanical works	100%	7%	73.3%	19.7%	100%
Electrical works	100%	24%	56.1%	19.9%	100%
Instrumentation works	100%	0%	70.2%	29.8%	100%

Financial Progress/in Lakhs

	07-08	08-09	09-10	10-11	11-12	Cumulative
Funds Received	39.28	2.32	937.51	594.88	676.81	2250.80
Expenditure	0.34	8.69	1611.41	3170.93	379.30	5170.67



NESAPAKKAM STP

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

Fund: JNNURM

G.O.No.171 dt.23.09. 07

Source	% of Project Cost	Amount (in Lakhs)
GOI	35%	1909.95
GoTn	15%	818.55
Local Body	50%	2728.50
Total	100%	5457.00

Estimate value (in Lakhs)	Contract value (in Lakhs)
5857.00	4843.52

Contract Period (in months)	Date Of Award	Date Of Commencement	Programmed Date Of Completion
24	29.09.09	21.12.09	Work completed and testing of various units are in progress.

Physical Progress of work

Description	Total Qty	09-10	10-11	11-12	Cumulative
Construction of STP	100%	8%	34%	42%	84%

Financial Progress/in Lakhs

	09-10	10-11	11-12	Cumulative
Funds Received	682.64	731.34	1211.73	2625.71
Expenditure	153.04	1328.60	1921.63	3403.31



KODUNGAIYUR SEWAGE TREATMENT PLANT

The Sewage Treatment Plant at Kodungaiyur is located on the northern periphery of North Chennai. The sewage water received from north Chennai and part of Central Chennai are 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 water has to be received from 94 sewage pumping stations of north and part of Central Chennai for treatment. Whereas on an average about 165 to 170 ML of raw sewage is received and treated in the above mentioned 3 numbers of treatment plants. The balance quantity of about 30 to 35 MLD is left in the Buckingham canal without treatment. Out of 35 MLD (i.e) from Tondiarpet 'F' (34.0 MLD), Krishnamoorthy Nagar (0.4 MLD) and R.R.Nagar (0.6) MLD is untreated and left in the Buckingham canal due to pipe line leak under Vaidyanathan Bridge which could not be attended due to lack of space for attending leak in the pumping main of Tondiarpet 'F' and disconnection of the pipe line at Kodungaiyur Canal for R.R. Nagar and Krishnamoorthy Nagar sewage pumping station.

Propose to be completed by September 2014



KODUNGAIYUR STP (110 MLD) - GASHOLDER



KODUNGAIYUR STP (110 MLD) - DIGESTER



KODUNGAIYUR STP (80 MLD) - SECONDARY CLARIFIER

ANNEXURE - I

REVENUE COLLECTION OF SECONDARY TREATED SEWAGE SUPPLIED TO INDUSTRIES FOR THE YEAR 2011 - 12

S. No.	Month	Rate / KL Rs.	M/s. CPCL	M/s. MPL	M/s. MFL	Total qty. KL	Total Amt Rs.
			Quantity KL	Amount Rs.	Quantity KL	Amount Rs.	
1	April '11	10.2	623950	63,64,290	81482	8,31,116	344441 35,13,298 10,49,873 1,07,08,704
2	May '11	10.2	717340	73,16,868	80236	8,18,407	369272 37,66,574 11,66,848 1,19,01,849
	May '11 arr	10.75		3,94,537		44,130	2,03,100 - 6,41,767
3	June '11	10.75	676930	72,76,998	81051	8,71,298	341691 36,73,178 10,99,672 1,18,21,474
4	July '11	10.75	726090	78,05,468	90175	9,69,381	363339 39,05,894 11,79,604 1,26,80,743
5	Aug '11	10.75	634960	68,25,820	98288	10,56,596	363566 39,08,335 10,96,814 1,17,90,751
6	Sep '11	10.75	643560	69,18,270	79750	8,57,313	326147 35,06,080 10,49,457 1,12,81,663
7	Oct '11	10.75	669540	71,97,555	85017	9,13,933	350808 37,71,186 11,05,365 1,18,82,674
8	Nov '11	10.75	638670	68,65,703	79202	8,51,422	344776 37,06,342 10,62,648 1,14,23,467
9	Dec '11	10.75	653440	70,24,480	61351	6,59,523	337965 36,33,124 10,52,756 1,13,17,127
10	Jan '12	10.75	647680	69,62,560	64208	6,90,236	300117 32,26,258 10,12,005 1,08,79,054
11	Feb '12	10.75	577820	62,11,565	62018	6,66,694	313402 33,69,072 9,53,240 1,02,47,331
12	March '12	10.75	391080	42,04,110	74540	8,01,305	117277 12,60,728 5,82,897 62,66,143
Total			7601060	81368224	937318	10031354	3872801 41443169 12411179 13,28,42,747

ANNEXURE - II

THE YEARLY INCOME FROM SALE OF SECONDARY TREATED SEWAGE 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
Total Income	9885.63



ANNEXURE - III

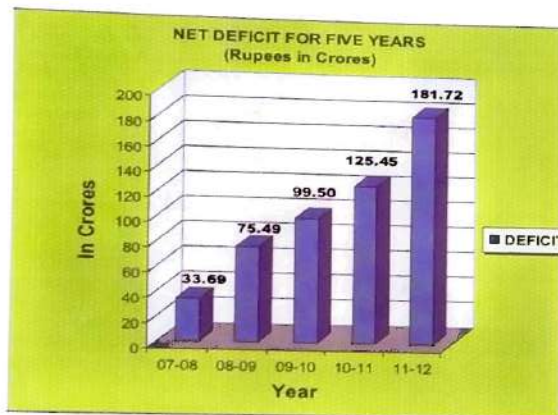
POWER CONSUMPTION FROM BIO GAS ENGINE IN 110MLD STP AT KODUNGAIYUR DURING THE YEAR 2011-12

Month of operation	Power consumption from BGE in Kwhr	Rate per mwhr as EB in Rupees	Total savings from BGE in Rupees
Apr-11	428200	4.00	17,12,800.00
May-11	458800	4.00	18,35,200.00
Jun-11	362100	4.00	14,48,400.00
Jul-11	283200	4.00	11,32,800.00
Aug-11	185100	4.00	7,40,400.00
Sep-11	240900	4.00	9,63,600.00
Oct-11	352200	4.00	14,08,800.00
Nov-11	282200	4.00	11,28,800.00
Dec-11	383600	4.00	15,34,400.00
Jan-12	386000	4.00	15,44,000.00
Feb-12	373500	4.00	14,94,000.00
Mar-12	441000	4.00	17,64,000.00
	4176800		1,67,07,200.00
Total power savings from Aug 2006 to Mar 2012	26602190		96788210.00

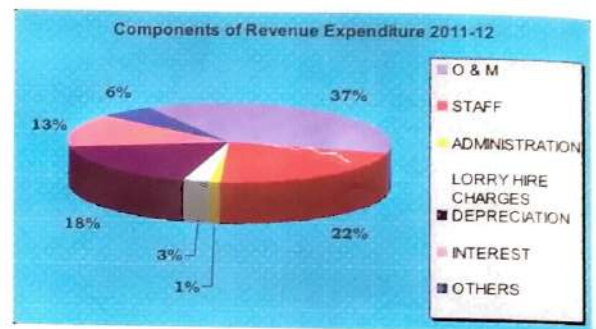
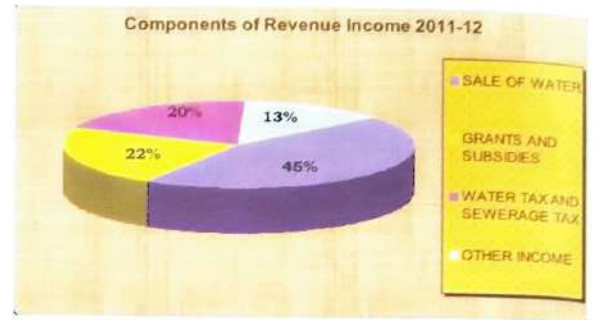
FINANCE

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 seventh consecutive year. The total income during the year has been to the order of Rs. 530.15 Crores and the expenditure was Rs.711.87 Crores, resulting in a net deficit of Rs. 181.72 Crores against the deficit of Rs. 125.45 Crores during the previous year (2010-11). 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.



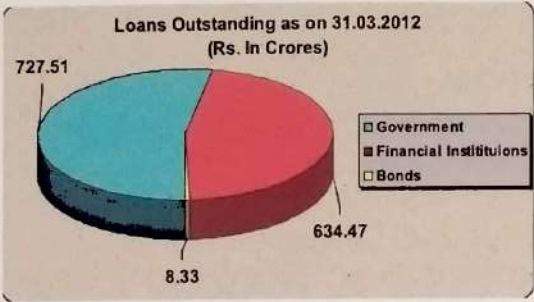
CASH MANAGEMENT:

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 burden is however, the

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 2011-12 is Rs. 103.69 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 2011-12 is Rs.236.36 Crores. For maximum revenue mobilization, all efforts are taken to increase efficiency and collection performance and to streamline the billing and collection machinery.



AUDITORS' REPORT

S.VENKATRAM & CO
CHARTERED ACCOUNTANTS

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

We have audited the attached Balance Sheet of Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB), as at 31st March 2012, the Income and Expenditure Account for the year ended on that date and the Schedules annexed thereto. These financial statements are the responsibility of the Management of CMWSSB. Our responsibility is to express an opinion on these financial statements based on our audit.

1. We conducted our audit in accordance with the Standards on Auditing generally accepted in India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by the Management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for opinion.
2. Further to our comments referred to in paragraph 1 above, we report that :
 - a) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
 - b) In our opinion proper books accounts have been kept by CMWSSB, so far as it appears from our examination of such books.
 - c) The Balance Sheet and Income and Expenditure Account referred to in this report are in agreement with the books of accounts.
 - d) Attention is invited to the following :
 - i) Schedule - Q - General - Note No. 1 - The financial statement of CMWSSB includes un-audited figures of erstwhile forty two Local Bodies (LBs) (consequent upon the take over of assets and liabilities of the said LBs by CMWSSB with effect from 24th October 2011). In the absence of the audited statements of the respective LBs, we have relied on the financial information of erstwhile LBs as furnished / consolidated by the management.
 - ii) a) Schedule Q - Notes on Balance Sheet - Note No. II - 1 - Grants from Government (LBs) - for aggregating to Rs. 117.78 crores, in respect of six newly added areas consequent up on take over of assets and liabilities of erstwhile forty two LBs by CMWSSB, for which the particulars of purpose of grant / utilization thereof is not available and the impact whereof on the accounts are not ascertainable.



- b) Schedule Q - Notes on Balance Sheet - Note No. II - 2 - Grants from Government - regarding capital expenditure incurred out of Devolution Fund of Rs.126.25 Crores, to Fixed Assets without either transferring respective Grants towards the cost of Fixed Assets or treating the Grants as deferred income, in terms of Accounting Standard (AS) - 12 - 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. IV - 3 - Advance for sale of land for Rs.64.08 Crores - regarding non provision for income tax in respect of sale/transfer of land to CMRL by CMWSSB in respect of which CMWSSB has received the advance.
- iv) Schedule - Q - Notes on Balance Sheet - Note No. V - 4 - Non accounting of Deferred Tax in terms of AS - 22 - issued by the ICAI, the impact whereof on the Accounts are not ascertainable.
- v) Schedule Q - Notes on Balance Sheet - Note No. VI - 4 - Fixed Assets - regarding non-provision of depreciation at an ad-hoc rate as per accounting policy of CMWSSB in the case of 470 instances of PIPs for aggregate amount of Rs.461.33 Crores where there is no Transaction in the account as well as no progress in the projects during the year 2011-12, the impact whereof on the Accounts are not ascertainable. .
- vi) Schedule Q - Notes on Balance Sheet - Note No. VI - 5 - Fixed Assets -regarding non-payment/provision of Rs 0.04 Crores towards compensation amount to the fishermen relating to Desalination Project in Nemmeli.
- vii) Schedule Q- Notes on Balance Sheet - Note No. VII -1, 2, 3 & 4 - the impact of the following items on the accounts is not ascertainable- (a) non reconciliation of two Bank Accounts (Current Accounts), with balance of Rs.17.53 crores as of 31st March 2012. (b) non reconciliation of one Bank Account (Current Account), with a debit balance of Rs. 14.96 lakhs as of 31st March 2012. (c) non reconciliation of 71 bank accounts of erstwhile LBs aggregating to Rs. 17.99 crores which are closed and only Rs. 14.13 crores has been transferred to CMWSSB with a deficit of Rs. 3.86 crores in its books as of 31st March 2012. (d) Non-nullification of credit balance of Rs.0.13 Crores in Collection Control Account and (e) Non-reconciliation of credit balance of Rs.22.01 Crores in H.O/ Area Transaction Account.
- viii) Schedule Q- Notes on Balance Sheet - Note No. VII - 6 - regarding non accounting of Sundry Debtors relating to 36 of the erstwhile LBs and consideration of Receivables towards Water charges and Sewerage charges for an aggregate amount of Rs. 8.66 crores only for the Six LBs, the impact whereof on the Accounts are not ascertainable.
- ix) Schedule - Q - Notes on Income and Expenditure Account - Note No. I -Sale of water - Un metered - Domestic - regarding collection of water charges for the period from October 2011 to March 2012 in newly 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.
- x) Schedule - Q - Notes on Income and Expenditure Account - Note No.II -Water tax - The applicability of Water Tax relating to erstwhile LBs is not considered, as of 31.03.2012, in view of the extended area of operations of CMWSSB, the impact whereof on the Accounts are not ascertainable.



- xi) a) Schedule – Q – Notes on Income and Expenditure Account - Note No.III -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 2012, the impact whereof on the Accounts are not ascertainable.
- b) Schedule – Q –Notes on Income and Expenditure Account - Note No.III -4 - Terminal Benefits to Employees of LBs – regarding non provision of actuarial liability in respect of Pension, Gratuity, Provident Fund and Leave Encashment as on 31st March 2012, the impact whereof on the Accounts are not ascertainable.
- c) Schedule – Q –Notes on Income and Expenditure Account - Note No. III -4 – regarding payment of salaries for the months of November 2011 and December 2011 by Corporation of Chennai to the staff of erstwhile LBs. In the absence of details/ claim from Corporation of Chennai, provision for the same has been considered in the CMWSSB's books taking into account actual salary paid by it in the month of January 2012, instead of the amount paid by Corporation of Chennai, the impact whereof on the Accounts are not ascertainable.
- xii) Schedule Q- Notes on Income and Expenditure Account – Note No. V – 1 – regarding CMWSSB shifting to Oracle system from unix system with effect from 01.04.2003. At the time of such shifting the Fixed assets were transferred to Oracle system 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
- xiii) Schedule – Q –Notes on Income and Expenditure Account - Note No. VI – regarding non capitalization of borrowing cost attributable to the qualifying assets for a sum of Rs. 5.38 crores being interest on the loans availed from Financial Institutions by erstwhile LBs for the period from 25.10.2011 to 31.03.2012 on the basis of available interest rate which has been charged to Income & Expenditure account.
- xiv) Schedule – Q – General – Note No. 2 – In the Income and Expenditure account of CMWSSB 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 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.
- xv) Schedule – Q – General – Note No. 3 - regarding non consideration of audit paras pending in Local Fund Audit Department Reports (LFADR) and Auditor General Reports (AGR) having financial implications, in respect of erstwhile LBs, in the Financial Statements of CMWSSB as of 31st March 2012, the impact whereof on the Accounts is not ascertainable.
- xvi) 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.
- e) Subject to our comments in paragraph d) above – we report that in our opinion and to the best of our information and according to the explanations given to us 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 2012 ,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.

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

R.KANDAVELU
Partner
M.No. 12811

Place: Chennai

Date: 8th August 2013.

500



BALANCE SHEET AS ON 31.03.2012

DESCRIPTION	SCHEDULE	2011-12 RS.	2010-11 RS.
LIABILITIES			
Contributions	A	12,31,77,46,006	11,74,41,50,289
Grants From Government	B	14,85,62,26,488	10,75,58,20,930
Long Term Borrowings	C	13,70,31,54,271	12,40,38,36,955
Deferred Credits & Deposits	D	8,61,16,93,016	8,47,59,98,272
Current Liabilities & Provisions	E	8,40,04,00,692	7,37,44,61,930
Total		57,88,92,20,473	50,75,42,68,376
Assets			
Fixed Assets	F	44,80,87,37,708	40,36,35,47,564
Current Assets, Loans, Advances & Deposits	G	9,16,25,98,525	8,29,00,39,192
Accumulated Deficit		3,91,78,84,240	2,10,06,81,620
Total		57,88,92,20,473	50,75,42,68,376

On behalf of the Board

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

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

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

R.KANDAVELU
PARTNER
M.NO.12811

PLACE : CHENNAI
DATE : 08.08.2013



INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2012			
DESCRIPTION	SCHEDULE	2011-12 RS.	2010-11 RS.
INCOME			
Sale Of Water & Sewerage Charges	H	2,37,68,35,424	2,41,27,01,424
Grants And Subsidies		1,17,48,37,500	1,00,36,80,500
Water Tax And Sewerage Tax	I	1,03,69,22,939	98,78,62,465
Other Income	J	69,84,82,849	79,55,15,689
Provisions Written Back			
- Water Charges Metered		0	31,14,393
- Water Charges Unmetered		26,54,209	31,71,248
- Taxes		1,17,89,284	0
Excess Of Expenditure Over Income		1,81,72,02,620	1,25,44,50,414
TOTAL		7,11,87,24,825	6,46,04,96,133
EXPENDITURE			
Operating And Maintenance Expenditure	K	2,63,26,64,784	2,27,72,71,989
Payments And Provisions To Employees	L	1,58,66,19,841	1,31,97,44,883
Office Administrative Expenses	M	6,35,13,502	6,35,62,015
Prior Period Adjustment	N	32,64,58,390	48,08,78,899
Water Lorry Hire Charges		19,47,95,912	15,44,71,103
Drought Expenditure		0	2,17,41,599
Depreciation		1,30,14,94,303	1,20,27,18,858
Debt Service Charges	O	93,98,78,132	93,11,23,599
Provision For Doubtful Debts			
- Water Charges Metered		7,32,99,961	0
- Taxes		0	89,83,188
TOTAL		7,11,87,24,825	6,46,04,96,133

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

On behalf of the Board

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

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

R.KANDAVELU
PARTNER
M.NO.12811

PLACE : CHENNAI
DATE : 08.08.2013



SEHEDULES

SCHEDULE - A

CONTRIBUTION	2011-12 Rs.	2010-11 Rs.
Contribution From Government	4,87,96,58,365	4,59,70,95,311
Contribution From Public	5,34,74,70,342	4,72,26,65,945
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	(57,99,73,282)	0
Capital Reserves	1,46,19,87,861	1,26,46,70,690
Funds	99,67,05,723	94,78,21,346
TOTAL	12,31,77,46,006	11,74,41,50,289

SCHEDULE - B

GRANTS FROM GOVERNMENT	2011-12 Rs.	2010-11 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	1,70,93,50,885	1,29,38,05,333
Desalination Plant At Nemmeli	4,57,00,00,000	3,07,00,00,000
Others	1,24,68,45,497	60,86,53,497
Ulb Grants	1,17,78,31,084	0
Devolution Fund	1,26,25,09,021	89,36,72,099
TOTAL	14,85,62,26,488	10,75,58,20,930

SCHEDULE - C

LONG TERM BORROWINGS	2011-12 Rs.	2010-11 Rs.
Loans From Government	7,27,51,13,540	7,27,51,13,540
Bonds	8,33,33,335	32,00,00,001
Loan From Financial Institutions	6,34,47,07,396	4,80,87,23,414
TOTAL	13,70,31,54,271	12,40,38,36,955



SCHEDULE - D

DEFERRED CREDITS AND DEPOSITS	2011-12 Rs.	2010-11 Rs.
Deposits From Public:		
- Service Connections - Sew.	63,33,02,357	41,50,79,721
- General Works	5,28,28,03,719	6,09,44,08,003
- Mla Consittuency Development Scheme	2,25,18,408	1,78,19,025
- Madurai Kumbakonam	1,44,09,06,870	1,44,09,06,870
Sec. Deposits & Retention Money:		
A. Retention Money:		
- Suppliers	59,94,701	37,25,316
- Contractors	57,05,91,392	36,99,89,583
B. Security Deposits:		
- Staff	51,60,066	15,37,727
- Contractors	95,85,388	84,80,912
Advance For Sale Of Land	64,08,30,115	12,40,51,115
TOTAL	8,61,16,93,016	8,47,59,98,272

SCHEDULE - E

CURRENT LIABILITIES	2011-12 Rs.	2010-11 Rs.
Sundry Creditors:		
- Suppliers	7,71,06,096	10,83,62,413
- Contractors	71,52,00,456	1,21,58,24,784
- Expenses	16,10,71,967	22,65,75,239
Interest Accured:		
- Government Loans	4,44,51,73,081	3,85,88,25,300
- Bonds	11,29,212	42,57,123
- Financial Institutions	10,36,30,773	3,46,44,896
Other Liabilities - Staff	1,33,30,88,562	1,19,93,24,168
Others	1,56,40,00,545	72,66,48,007
TOTAL	8,40,04,00,692	7,37,44,61,930



SCHEDULE - F

FIXED ASSETS	Rs.	2011-12 Rs.	2010-11 Rs.
A. Water Supply At Cost	24974828483		
Less: Depreciation	8336612025	16,63,82,16,458	16,80,82,41,570
B. Sewerage At Cost	9149353343		
Less: Depreciation	3942043717	5,20,73,09,626	5,33,86,62,146
C. General At Cost	572332367		
Less: Depreciation	422373339	14,99,59,028	14,83,90,265
D. Project In Progress			
1. Water Supply			
Deposit Works	3441848330		
Other Works	10617352272	14,05,92,00,602	10,36,69,49,203
2. Sewerage			
Deposit Works	3489071712		
Other Works	4021028934	7,51,01,00,646	6,44,18,06,354
3. General		16,54,63,096	18,10,09,773
E. Drought Relief Works		1,07,84,88,252	1,07,84,88,253
TOTAL		44,80,87,37,708	40,36,35,47,564

SCHEDULE - G

CURRENT ASSETS, LOANS, ADVANCES & DEPOSITS		Rs.	2011-12 Rs.	2010-11 Rs.
A. Inventory			9,15,45,577	13,14,04,169
B. Sundry Debtors				
1. Water Charges Metered	3,14,59,8586			
Less: Prov. For Doubtful Debts	13,15,70,698	18,30,27,888	18,30,27,888	
2. Water Charges Unmetered	28,00,11,504			
Less: Prov. For Doubtful Debts	18,64,69,177	9,35,42,327	24,90,35,117	
3. Tax	92,32,06,639			
Less: Prov. For Doubtful Debts	5,14,17,405	87,17,89,234	97,78,92,790	
4. Due From Public Authorities		2,17,59,391	88,06,163	
5. Debtors Ctrl -Mob. Water Sup-Govt		25,74,14,078	24,68,97,552	
6. Debtors Ctrl -Sewerage Service Chr		21,18,35,739	16,14,99,712	
7. Debtors Contraol - Water Supply Others		7,230	5,735	
8. Centage Receivable A/C		0	4,86,82,000	
9. Cmwssb Group Gratuity Trust		49,87,669	10,14,93,296	
10. Tax Deducted At Source		1,97,98,898	1,15,30,356	
11. Debtors - Control Surcharges		(1,02,121)	4,12,843	
12. Debtors Control - Dis Cheque		42,589	31,224	
13. Debtors Control - Raw Sewage		12,70,751	18,84,969	
14. Receivables From Cmc - Added Areas		1,20,10,000	0	
15. Fund Receipts - Newly Added Areas		(26,82,193)	0	
C. Cash And Bank Balances				
1. Head Office/Area-Transactions		(17,46,98,853)	(5,93,41,586)	
2. Collection Control		12,76,240	(6,06,88,316)	
3. Cur A/C With Scheduled Banks		1,37,39,46,351	32,30,87,618	
4. Balances With RBI		1,48,72,05,014	5,014	
5. Short-Term Dep. With Scheduled Banks		2,27,47,46,060	3,26,59,44,742	
6. Cash In Hand		54,989	18,899	
7. Bank Amounts Receivable From Ulb's		4,12,73,304	0	
8. Imprest Account - Adv To Staff		30,370	1,03,175	



SCHEDULE - G (Contd...)

D.LOANS AND ADVANCES		
1. Contractors	6,07,84,760	13,22,53,049
2. Suppliers	23,66,257	12,88,845
3. Expenses	73,79,407	74,56,868
4. Employees	10,91,37,947	12,14,80,259
5. Others	4,99,450	4,99,451
E.DEPOSITS AND INVESTMENTS		
A. Staff		
1. Spl P.F.Investments	4,34,80,847	4,11,06,492
2. G.P.F Investments	51,62,34,097	53,33,15,014
3. Pension Fund Investment	62,04,52,134	67,28,54,613
4. Inv. On Cmwssb Emp. Spl Med Fund	1,11,90,699	1,02,22,334
5. Accident Coverage Investment	69,07,828	55,90,977
6. Interest Accured - Others	10,16,76,169	17,32,56,985
7. Interest Accrued - Cps Fund Investments	32,82,644	23,23,701
8..Interest Accrued - Pension Investments	5,83,59,498	14,65,45,636
B. OTHERS		
1. Deposits	7,77,56,822	7,04,99,568
2. Trust And Retention Investment	36,62,61,431	33,31,14,519
3. Fixed Asset Renew. Fund Investment	40,67,48,003	44,64,97,521
TOTAL	9,16,25,98,525	8,29,00,39,192



SCHEDULE - H

SALE OF WATER & SEWERAGE CHARGE	2011-12 Rs.	2010-11 Rs.
Metered:		
Domestic	18,74,43,440	18,23,77,759
Commercial	1,01,49,24,032	1,06,84,92,352
Institutional	13,69,38,162	13,89,15,243
Municipalities	6,98,74,941	9,26,19,933
Unmetered:		
Domestic	27,83,78,143	25,95,96,296
Commercial	17,57,79,993	17,40,55,814
Institutional	21,44,200	20,83,400
Sale Of Treated Sew. Water	13,81,46,313	13,64,44,970
Mobile Water Supply	16,18,71,497	16,82,08,878
Sewerage Charges	21,13,34,703	18,99,06,779
TOTAL	2,37,68,35,424	2,41,27,01,424

SCHEDULE - I

WATER & SEWERAGE TAX	2011-12 Rs.	2010-11 Rs.
Water Tax	22,16,57,477	21,15,67,864
Sewerage Tax	81,52,65,462	77,62,94,601
TOTAL	1,03,69,22,939	98,78,62,465



SCHEDULE - J

OTHER INCOME	2011-12 Rs.	2010-11 Rs.
Sale Of Scrap	1,84,52,789	1,17,10,023
Interest From Banks	15,90,06,488	5,68,46,423
Interest From Others	4,93,53,379	9,93,28,513
Sale Of Tender Forms	4,52,400	5,81,500
Liquidated Damages	0	53,26,840
Consultancy Charges Earned	71,73,590	17,78,63,719
Other Miscellaneous Income	46,39,23,203	44,38,58,671
Sale Of Farm Produce	1,21,000	0
TOTAL	69,84,82,849	79,55,15,689

SCHEDULE - K

OPERATING AND MAINTENANCE EXPENSES	2011-12 Rs.	2010-11 Rs.
A. OPERATING EXPENSES		
Power	63,34,13,458	63,84,65,541
Chemicals	5,61,31,280	5,91,27,281
Fuel & Lubricants	3,52,61,407	2,17,69,828
Loose Tools	21,00,707	14,46,639
Freight & Insurance	62,065	2,40,905
Sewerage Lorry Hire Charges	1,14,65,593	1,11,19,801
Desilting	3,12,05,992	3,31,14,033
Other Operating Expenses	1,28,09,85,040	97,85,56,043
	2,05,06,25,542	1,74,38,40,071
B. REPAIRS AND MAINTENANCE		
Pipe Lines, Pumping Plants & Other Equipments	30,38,31,747	25,53,64,604
Building & Civil Works	9,12,96,260	7,92,26,410
Vehicles	12,13,988	10,01,256
Other Repairs & Maintenance	18,56,97,247	19,78,39,648
	58,20,39,242	53,34,31,918
TOTAL	2,63,26,64,784	2,27,72,71,989



SCHEDULE - L

PAYMENTS & PROVISIONS TO EMPLOYEES	2011-12 Rs.	2010-11 Rs.
Salaries, Wages & Allowances	1,89,49,80,366	1,63,98,46,347
Employees Welfare Expenses	10,43,54,108	5,60,87,632
Contribution To Deputationists	(4,97,145)	9,75,564
Less: Project Appropriation	41,22,17,488	37,71,64,660
TOTAL	1,58,66,19,841	1,31,97,44,883

SCHEDULE - M

OFFICE AND ADMINISTRATIVE EXPENSES	2011-12 Rs.	2010-11 Rs.
OFFICE EXPENSES:		
Rent, Rates & Taxes	39,52,506	61,12,616
Electricity	1,03,87,931	70,54,105
Wireless & Mass Comm. Charges	2,17,938	80,669
Telephone Charges	98,00,456	1,05,87,215
Postage & Telegram	38,66,160	51,99,631
Printing & Stationery	84,29,052	90,56,080
Exhibition & Publicity	20,25,219	11,37,342
Other Office Expenses	66,05,482	1,00,82,537
Travel And Conveyance	2,28,91,525	2,03,59,995
ADMINISTRATIVE EXPENSES:		
Board Meeting Expenses	0	1,84,29
Audit Fees	1,12,360	82,725
Legal Charges	83,36,829	46,04,226
Consultancy Fees & Expenses	52,038	6,103
Bank Charges	77,59,353	78,85,254
Honorarium	1,000	1,000
Bonds Issue Expenditure	1,96,445	3,93,708
Other Administrative Expenses	60,53,224	82,39,831
Board Sitting Fees	0	19,269
	9,06,87,518	9,09,20,735
Less: Project Appropriation	2,71,74,016	2,73,58,720
TOTAL	6,35,13,502	6,35,62,015



SCHEDULE - N

PRIOR PERIOD ADJUSTMENT ACCOUNT	2011-12 Rs.	2010-11 Rs.
DEBIT:		
Water And Sew. Tax	22,65,41,911	30,89,29,372
Water Charges Unmetered	6,46,82,806	5,40,62,640
Water Charges Metered	1,47,28,115	23,60,200
Sewer Charges	3,03,31,031	1,93,08,086
Interest	99,94,367	1,00,41,780
Travel Conveyance	0	28,14,381
Retention Money	8,66,11,538	0
Security Deposit	40,650	0
Sundries	0	6,11,77,184
Family Pensioner's Contribution To Health Fund	0	11,43,386
Da Arrears	96,37,984	0
Depreciation	3,68,17,839	52,70,32,871
Fringe Benefit Tax - Written Off	0	66,78,153
Sub Total 'A'	47,93,86,241	99,35,48,053
CREDIT:		
Water And Sew. Tax	7,93,27,457	40,94,31,437
Water Charges Unmetered	2,66,55,538	7,21,30,166
Water Charges Metered	1,36,93,389	52,88,944
Sewer Charges	1,31,46,856	2,57,60,773
Bank Charges	0	15,737
Sundries	0	42,097
Interest	59,96,249	0
Depreciation	1,41,08,362	0
Sub Total 'B'	15,29,27,851	51,26,69,154
Total (A - B)	32,64,58,390	48,08,78,899



SCHEDULE - O

DEBT SERVICE CHARGES	2011-12 Rs.	2010-11 Rs.
INTEREST:		
Government Loans	58,63,47,781	58,63,47,781
Financial Institutions	36,95,05,102	34,57,75,735
Bonds	94,24,249	2,54,69,083
	96,52,77,132	95,75,92,599
Less: Interest Capitalization	2,53,99,000	2,64,69,000
TOTAL	93,98,78,132	93,11,23,599



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), 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 in to use included in Project-In-Progress, for which Completion Report is awaited, is charged at an adhoc rate of 5%, on the SLM.

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) Provisions ,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 2012 NOTES ON BALANCE SHEET:

I. SCHEDULE - A - CONTRIBUTION :

1. Contribution from Government :

The above account includes an amount of Rs.28.26 Crores in respect of erstwhile three LBs viz., Alandur, Kathivakkam, Thiruvotriyur with balances of Rs.24.29 Crores, Rs.0.21 Crores & Rs.3.76 Crores respectively.

2. Contribution from Public :

Rs. 41.51 Crores (Previous Year - Rs. 34.98 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.

A sum of Rs. 20.96 Crores which remained under the account Deposits from Public in the books of erstwhile LBs is included in the above head.

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.0.08crores respectively remain with the CMWSSB since long.

4. Excess of Liabilities over Assets :

Excess of Liabilities over Assets transferred from erstwhile forty two LBs aggregate Rs.57.99 Crores as of 31st March 2012.

5. Capital Reserves :

An amount of Rs.19.73 Crores (Previous Year Rs. 27.87 Crores) received towards Infrastructure Development Charges from Chennai Metropolitan Development Authority (CMDA) during the year has been credited to Capital Reserve Account.

6. Fund:

The above represents Fixed Assets Renewal Fund for Rs. 99.67 Crores for which investments are made to the extent of Rs.40.67 Crores.

II. SCHEDULE - B -GRANTS FROM GOVERNMENT :

1. Grants from Government (LBs) - Rs.117.78 Crores (Previous Year - Nil) :

In respect of Grants from Government of the following newly added areas consequent up on take over of assets and liabilities of erstwhile 42 LBs by CMWSSB, of aggregate amount of Rs. 117.78 crores. The particulars of purpose of grant / utilization there of are being ascertained.

Area	Name	Amount (Rs. in crores)
I	Thiruvotriyur	19.70
III	Madhavaram	13.33
VII	Ambattur	47.58
XI	Valsaravakkam	16.64
XII	Alandur	06.45
XIV	Perungudi	14.08
	Total	117.78

- 2. Devolution Fund – Rs. 126.25 Crores (Previous Year – Rs. 89.37 Crores) :**
 CMWSSB has been receiving grants at fixed percentage from State's tax revenue, for general purpose utilization which is accounted in Devolution Fund. During the year ended 31st March 2012 CMWSSB has received an amount of Rs.36.88 Crores (Previous year – Rs.31.29 crores) as grants. The capital expenditure incurred in relation to the grants received has been accounted under fixed assets.

III. SCHEDULE - C – LONG TERM BORROWINGS :

- Loans from Government – Rs.727.51 Crores (Previous Year – Rs.727.51 Crores) :
 The above represents Loans for I&II - Chennai Project, other ongoing scheme/s and Ways and Means Advance. There was no repayment of Principal and Interest on these Loans during the year. The total over-dues of Principal and Interest, aggregate to Rs.770.96 Crores. Penal Interest for the overdues, if any, has not been considered.
- Loans from Financial Institutions – Rs.183.66 Crores (Previous Year – Nil) :
 The erstwhile LBs had availed certain loans from TUFIDCO & TNUIFSL. The aggregate balance outstanding in the said loans as of 31st March 2012 is Rs. 183.66 crores which remains transferred in CMWSSB's books on take over of assets and liabilities of the LBs.

IV. SCHEDULE - D – DEFERRED CREDITS AND DEPOSITS :

- Deposit from Public – Sewerage : The Board has received deposit of Rs.144.09 Crores till the year 2009-10 for Madurai and Kumbakonam Other Works includes Sewerage Work under Chennai City River Conservation Project (CCRCP) amounting to Rs.162.21 Crores incurred on Madurai and Kumbakonam – National River Conservation Directorate (NRCD) works. The deposits remain to be appropriated towards the project cost for want of Completion Report.
- Deposits from Public – General Works – Rs. 528.28 Crores
 - The amount shown under the above head, includes an amount of Rs.1.38 crores(A/c No.5150) as of 31st March 2012 in which there is no transaction in the current year.
 - The balance outstanding in this account is after setting off of the advance (as shown in B/s of LBs) amount of Rs. 297.24 Crores received from erstwhile LBs by CMWSSB.
 - 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.
- Advance for sale of land – Rs. 64.08 Crores (Previous year –Rs. 12.41 crores)
 The above amount represents advance received for sale of land measuring 5.604 acres in Koyembedu and other two places in Chennai by CMWSSB to CMRL for Metro Rail Project. Necessary Income tax provision in respect of sale and transfer of land to CMRL by CMWSSB has not been made in the books.

V. SCHEDULE - E – CURRENT LIABILITIES AND PROVISIONS:

- Outstanding amount in General Provident Fund (GPF) and Advances to Staff/ Labour have been netted against the Fund balances. The net fund balance of Rs. 38.99 Crores (Previous Year Rs 38.26 Crores) has been shown under Current Liabilities.
- In respect of employees of erstwhile local bodies, the balances outstanding in GPF and Contributory Pension Scheme (CPS) are to be received from Corporation of Chennai / Government of TamilNadu.
 - GPF – Rs 1.05 crores
 - CPS – Rs. 0.16 crores



3. Unclaimed Advance Collection of Water / Sewerage Taxes and other charges of Rs.2.66 Crores pertaining to the Financial Year 2005-2006 have been transferred to Income Account.
4. In view of the sustained losses incurred by the Board, the Board does not estimate any tax liability in its foreseeable future. Hence provision for Deferred Tax has not been made.

VI. SCHEDULE - F - FIXED ASSETS :

1. Fixed Assets includes Rs. 275.77 Crores, being Project in progress in respect of four projects viz., II Chennai Project, 530MLD Project, Chennai City River Conservation Project and Madurai and Kumbakonam Sewerage Work under CCRCP for which Completion Reports are yet to be received.
2. Salaries, Wages & Allowances, Office expenses & Administrative expenses and Fuel & Lubricants have been appropriated to PIP at fixed percentages of 23%, 30%, and 30% respectively.
3. PIP includes Rs.182.00 Crores of works executed for Urban Local Bodies (ULB) (Previous Year Rs. 653.57 Crores) as deposit works, which will be adjusted against deposits received, on completion of such works.
4. In the following instances of PIPs, there is no transaction in the account as well as no progress in the projects during the year 2011-12. The particulars relating to submission or otherwise of completion reports relating to these projects are under reconciliation.

PIP Description	No of instances	Amount (Rs.in Crores)
Water Supply	250	143.19
Sewerage	163	296.69
General	29	3.78
JNNURM	23	1.99
CWSAP	5	15.68
Total	470	461.33

In the above PIPs depreciation is not charged .

5. 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. The amount of compensation has been debited to the capital cost of desalination project. An amount of Rs.4,46,000 for the month of March 2012 is not provided for.
6. In respect of fixed assets of erstwhile LBs taken over by CMWSSB:
 - a) In the instances where the assets are having negative balances as on 24.10.2011 (cut off date) as per Local Fund Audit Report, assets damaged/not in use /not functioning, a nominal value of Rs.100 has been assigned for each unit of asset.
 - b) In the case of assets identified during physical verification which were not in the books of accounts, a nominal value of Rs.100/Rs.1000 per unit of asset is assigned depending on the nature of assets.
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.

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

1. Current Accounts with Scheduled Banks - Rs. 137.40 Crores (Previous Year - Rs. 32.31 Crores):

The above amount includes an aggregate sum of Rs.17.53 crores in two current accounts and Rs. (14.96) crores in one current account which remain un-reconciled. Action is being taken to reconcile the same.

2. Collection control Accounts- Rs. 0.13 Crores (Debit Balance) (Previous Year -Rs. 6.07 Crores (Net Credit Balance) : The above amount represents balance outstanding in the 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.
3. HO/Area Transaction - Rs. 22.01 Crores (Net Credit Balance) (Previous Year Rs. 5.93 Crores (Net Credit Balance)) :

The balance in the HO / Area Transaction Account is subject to completion of reconciliation.

4. Bank account balances of erstwhile LBs - Rs. 4.13 Crores (Previous Year - Nil) :
 - a.) The erstwhile LBs had a total of 71 bank accounts for an aggregate amount of Rs. 17.99 crores, which were closed on taking over of assets and liabilities by CMWSSB. 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 2012 in the above account. The balance amount of Rs. 0.27 Crores (Rs. 14.13 crores less Rs. 13.86 crores) has been credited in Fund Receipts - Newly Added Areas Account.
 - b.) The Bank accounts of erstwhile LBs which were closed were having debit/credit transactions during the interim period from 24th October 2011 to the date of closure have not been verified for want of supporting records.
 - c.) The balance outstanding in bank accounts of erstwhile LBs as on the date of account closure were reckoned as bank balance by CMWSSB in the Financial Statements as of 31st March 2012.
5. Fixed Deposit account balances of erstwhile local bodies with bank - Rs. 16.60 Crores (Previous Year - Nil) :

The erstwhile LBs had Fixed Deposit accounts with banks as of 31st March 2012 for an aggregate amount of Rs.16.60 crores which were closed on taking over of assets and liabilities by CMWSSB.
6. Sundry Debtors - Rs. 8.66 Crores (Previous Year - Nil) :

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 as of 31.03.2012.



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	-
Valsarvakkam	0.10	1.46
Total	3.59	5.07

7. Current Assets, Loans and Advances includes a sum of Rs. 0.50 Crores (Previous Year Rs. 10.15 Crores) receivable from CMWSSB Group Gratuity Trust.

NOTES ON INCOME AND EXPENDITURE ACCOUNT:

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

Sale of water - Unmetred - Domestic :

The amount of Rs. 27.84 Crores shown under this head is inclusive of amount pertaining to erstwhile LBs. However such charges for the period from October 2011 to March 2012 are collected as per the tariff rates adopted by erstwhile LBs before merger.

II. SCHEDULE - I - WATER AND SEWERAGE TAX:

Water tax:

The amount of Rs. 22.16 Crores under Water Tax does not include the Water Tax pertaining to the erstwhile LBs since Annual values are yet to be fixed for the properties in Added Areas.

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

1. Pension :

The accumulated balance in Pension Fund is Rs. 81.84 Crores (Previous Year Rs. 75.98 Crores). The amount invested out of the fund is Rs. 62.05 Crores (Previous Year Rs. 67.29 Crores). Further, an investment of Rs. 4.79 Crores (Previous Year Rs. 2.47 Crores) has been made under Contributory Pension Scheme (CPS). An Actuarial Valuation for Pension has not been done as on 31st March 2012.

2. Gratuity :

CMWSSB has created Group Gratuity Scheme (GGS) / Fund with LIC of India. Contribution to the scheme is charged to revenue. During the year a sum of Rs.3.75 Crores is charged to Income and Expenditure Account. An Actuarial Valuation for Gratuity has not been done as on 31st March 2012.

3. Leave Encashment:

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

4. Payments to staff of newly added areas :

- Salaries for the period 24.10.2011 to 31.12.2011 were paid by Corporation of Chennai. In the absence of proper information from Corporation of Chennai, provision for the same on an ad-hoc basis has been considered in the CMWSSB's books taking in to account actual salary paid in the month of January 2012.



- ii. Provision for GPF, CPS and Leave encashment in respect of staff members of erstwhile LBs has not been made as of 31st March 2012 in CMWSSB's books.
- iii. Provision of Rs.2.44crores for Gratuity has been made in CMWSSB's Books as of 31st March 2012 in respect of staff of LBS on ad-hoc basis.

IV. PROVISION FOR DOUBTFUL DEBTS :

In respect of receivables towards Water Charges and Sewerage Charges relating to erstwhile LBs, Provision for Doubtful Debts has been made on the balance outstanding as of 24th October 2011, proportionately on the basis of opening Provision for Doubtful Debts to outstanding receivables.

V. DEPRECIATION :

1. CMWSSB has shifted to Oracle system from unix system with effect from 01.04.2003. At the time of such shifting the Fixed assets were transferred to Oracle system 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.
2. As regards Fixed Assets of erstwhile forty two LBs taken over by CMWSSB the following methodology is adopted.
 - a) Depreciation is charged on Written Down Value (WDV) basis on the Fixed Assets for the period from 01.04.2011 to 24.10.2011 (the cut off date) and on SLM basis for the period from 25.10.2011 to 31.03.2012.
 - b) In the case of few assets the assigned book value has been reckoned and the depreciation has been charged on this value on SLM basis for the remaining life of the asset for the period from 24.10.2011 to 31.03.2012.

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

The erstwhile LBs had availed certain loans from TUFIDCO & TNUIFSL. The outstanding balance in these loans aggregate Rs.183.66 crores as of 31st March 2012, which were transferred in CMWSSB's books, on taking over of assets and liabilities by CMWSSB. A sum of Rs. 5.38 crores has been charged to Income & Expenditure account towards interest on the above said loans for the period from 25.10.2011 to 31.03.2012 on the basis of available interest rate, which is to be appropriately accounted on reconciliation.

GENERAL:

1. The financial statement of CMWSSB as of 31st March 2012 includes un-audited figures of erstwhile forty two Local Bodies (LBs) (consequent upon the take over of assets and liabilities of the said LBs by CMWSSB with effect from 24th October 2011).
2. In the Balance sheet of CMWSSB as of 31st March 2012 the assets and liabilities of newly added areas are integrated with CMWSSB's accounts. 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.
3. In respect of erstwhile LBs there are number of audit paras pending in Local Fund Audit Department Reports (LFADR) and Auditor General Reports (AGR) having financial implications. However the same were not considered in the Financial Statements of CMWSSB as of 31st March 2012, for want of details.



4. Contingent Liabilities:

- a. Claims against CMWSSB not acknowledged as debt amount to Rs.14.89 Crores (Previous Year Rs. 13.60 Crores) in respect of 173 court cases (Previous year 91 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.15.32 Crores towards water variable charges, etc. is under dispute in between CMWSSB and Chennai Water Desalination Limited.
 - c. In respect of one erstwhile LB viz., 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.
 - d. As per AG Audit para which was made in the year 2009-10, one erstwhile LB namely viz., Thiruvotriyur Municipality had failed to remit Rs.0.17 Crores Tamil Nadu Pollution Control Board(TNPCB) towards Water Cess. The amount is treated as a contingent liability by CMWSSB as of 31st March 2012.
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.

On behalf of the Board

As per our report of even date attached

S.Venkatram & Co.,
Chartered Accountants
FRN: 04656S

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

Dr. B. CHANDRAMOHAN, I.A.S.
MANAGING DIRECTOR

R.KANDAVELU
PARTNER
M.No :12811

Place: Chennai

Date: 8th August 2013

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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 2012

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 2011-12, the operational Area of CMWSSB was expanded annexing 42 Local Bodies (9 Municipalities, 8 Panchayats and 25 Village Panchayats), as per the directions of Government in their G.O. Ms.256 MA & WS (Election) Department dated 26.12.2009 and as per the Board Resolution No.150/2011 dated 21.11.2011.

Consequently, the Assets and Liabilities of the erstwhile Local Bodies (LB's) were to be integrated with the Board's Accounts after verification and valuation. Hence M/s. NCR consultant limited, was appointed as Consultants' for ascertaining the assets and liabilities and transaction of revenue nature 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 produced to the Statutory Auditors.

2. The total assets of the Board as on 31st March 2012 stood at Rs.5397.13 Crores, consisting of net Fixed Assets of Rs.4480.87 Crores and current assets of Rs.916.26 Crores represented by Sundry Debtors, Loans, Advances and Deposits etc.
3. The total liabilities of the Board stood at Rs.5788.92 Crores, consisting of Contribution of Rs.1231.77 Crores, Grants from Government of Rs.1485.62 Crores, Long Term Borrowings of Rs.1370.31 Crores and Current Liabilities including Deferred Credits and Deposits of Rs.1701.21 Crores.

The following statement shows the Revenue Income from Water and Sewerage charges and Water and Sewerage Tax:

A. WATER AND SEWERAGE CHARGES	2011-12	2010-11
METERED		
Domestic	1874.43	1823.78
Commercial	10149.24	10684.92
Institutional	1369.38	1389.15
Municipalities	698.74	926.20
UN-METERED		
Domestic	2783.78	2595.96
Commercial	1757.80	1740.56
Institutional	21.44	20.83
Mobile Water Supply to private customers	1618.71	1682.09
Sewerage charges	2113.35	1899.07
Sale of raw / secondary treated sewage	1381.46	1364.45
Total (A)	23768.34	24127.01



B. WATER AND SEWERAGE TAX

Water Tax	2216.57	2115.68
Sewerage Tax	8152.65	7762.94
Total (B)	10369.23	9878.62
Grand Total (A+B)	34137.56	34005.63

4. The total income during the year 2011-2012 was in the order of Rs.530.15 Crores and the expenditure was Rs.711.87 Crores, resulting in a net deficit of Rs.181.72 crores, against the deficit of Rs.125.45 Crores during the previous year (2010-11). 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.96.53 Crores and capitalized. After capitalization of Interest, a sum of Rs.93.99 Crores has been shown as interest under the Income and Expenditure Account for the year 2011-12.
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)

1. The Nature Of 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 recent inclusion of 42 adjacent local bodies within the Chennai City limits. 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 recently annexed to the Chennai City Corporation.

3.2. 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 have been completed and plant was commissioned in Feb. 2013..
- 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.

3.3. 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 41.35 Crore.

4. On going Water Supply Schemes

Sl.No.	Name of the Work	Sanctioned cost (.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			
8	Avadi Municipality	103.84	Work in progress
Total		909.13	

5.Sewerage System

5.1. Growth in Sewerage service

Details	Status in 1978	Present status
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



5.2. 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 (.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
9	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	

5.3. Sewerage schemes taken up under TNUDP-III

Sl.No.	Name of the Work	Sanctioned cost (.in Crore)	Status of implementation
1	Thiruvottiyur Under Ground Sewerage Scheme	87.63	Work in progress
2	Madhavaram Under Ground Sewerage Scheme	50.22	Work in progress
3	Ambattur Sewerage Scheme Phase - 1	65.75	Work in progress
Total		203.60	

6. 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.

6.1. Improvements to Water supply and Sewerage Schemes in Chennai City including the 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 2011-12 the Government have sanctioned an amount of Rs. 189.10 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.	Category of works	Amount sanctioned in Crore
		9.26
1	Laying of force mains between pumping stations	32.43
2	Enlargement of Sewage Pumping Mains	23.56
3	Laying of water supply lines in uncovered areas of Slums to supply water to Below Poverty Line (BPL) families	12.23
4	Providing Under Ground Tanks and Water filling points in Newly Added areas	22.98
5	Re-routing of Sewage Pumping Mains	15.61
6	Insertion of manholes at various locations in newly added area of Ambattur (Mugappair), construction of Roadside pumping stations and providing submersible pumpsets	20.71
7	Replacement of choked up water mains / PVC mains	11.24
8	Improvement to existing Sewage Pumping stations	9.90
9	Procurement of 35 Nos. of Jet Rodding machines and 50 Nos. of Desilting machines	31.18
10	Enlargement of sewer mains	189.10
Total		

7. 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.

7.1. Water Supply Initiatives in Newly Added Areas

- 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.

7.2. 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.

7.3. 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.

K. P. MUNUSAMY

Minister for Municipal Administration,
Rural Development.

FINANCIAL SUMMARY - FIVE YEARS AT A GLANCE

PARTICULARS	2011-12	2010-11	2009-10	2008-09	2007-08
Sale of water & Water and Sewerage tax	341.38	340.05	319.49	317.50	287.12
Other Income	188.78	180.55	73.12	66.87	167.79
Total Income	530.16	520.60	392.61	384.37	454.91
Salaries & Wages	263.27	131.97	127.91	97.79	80.62
Repairs and Maintenance	158.66	227.73	117.21	110.23	101.75
Interest	93.99	93.11	95.17	93.72	95.87
Depreciation	130.15	120.27	116.80	132.48	181.50
Other Expenditure	65.81	72.97	35.02	25.64	28.86
Total Revenue Expenditure	711.88	646.05	492.11	459.86	488.60
Excess of income over Expenditure	-181.72	-125.45	-99.50	-75.49	-33.69
Contributions	1231.77	1174.42	1106.44	1101.72	1072.31
Grants from Government	1485.63	1075.58	852.18	664.81	552.54
Long term borrowings	1370.32	1240.38	1304.30	1340.39	1332.33
Fixed assets	4480.87	4036.35	3564.42	3342.17	3298.12
Net current assets	-784.95	-756.05	-383.14	-220.38	-250.58
Accumulated surplus	-320.86	-210.07	-84.62	14.87	90.36
No. of Employees as at the end of Year	3,929	4,167	4,333	4,451	4,438



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) Tahsildar (Land & Estate)
- 8) Tahsildar (Land Acquisition)
- 9) 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 METROWATER 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	IA & AS	1	1	0
4	Engineering Director	Promotion	1	0	1
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	17	0
10	Controller of Finance	Promotion	2	1	1
11	Financial Analyst	Direct	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	2	5
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	44	13
19	Hydrogeologist	Promotion	1	1	0
20	Staff Manager	Deputation/ Promotion	1	0	1
21	Senior System Analyst	"Direct/ Promotion"	1	0	1
22	Chief Analyst	Promotion	1	0	1
23	Medical Officer	Other Method	1	1	0
24	Assistant Executive Engineer	Promotion	161	141	20
25	Chief Chemist/Water Analyst	Promotion	7	4	3
26	Deputy Hydrogeologist	Promotion	2	2	0
27	"Senior Accounts/ Senior Admv. Officer "	"Direct/ Promotion"	37	11	26
28	System Analyst	"Direct/ Promotion/ transfer"	3	1	2
29	Assistant Engineer/ Junior Engineer	Direct & Promotion	508	368	140
30	Assistant Hydrogeologist	Direct	6	3	3
31	Technical Officer	Direct & Promotion	1	1	0
32	Accounts/Admv. Officer	Promotion	37	34	3
33	Programmer	"Direct/ Promotion"	10	6	4
34	Junior Accounts/Junior Admv. Officer	Promotion	130	79	51
35	Deputy Public Relations Manager	Promotion	1	1	0



36	System Operator	"Direct/ Promotion/ transfer"	18	13	5
37	Assistant Water Analyst/Chemist	Direct / transfer	20	7	13
38	Steno Typist Grade-I	Promotion	7	7	0
39	Photographer	Direct	1	0	1
40	"Technical Assistant/ Technician"	Direct	3	1	2
41	Steno Typist Grade-II	Promotion	20	19	1
42	Draughtsman-cum-Surveyor	Direct	65	12	53
43	Electrical Operator (LT)	Promotion	46	46	0
44	Electrical Operator (HT)	Direct & Other Method	171	18	153
45	Lab Technician Grade-I	Promotion	11	9	2
46	Lab Technician Grade-II	Direct	15	0	15
47	Pharmacist	Other Method	1	1	0
48	Farm Manager	Promotion	1	1	0
49	Assistant	Promotion	100	11	89
50	Librarian	Direct	1	0	1
51	Steno Typist Grade-III	Direct	40	26	14
52	Assistant Operator (M&I)	Promotion	1	0	1
53	Electrician	Promotion	128	121	7
54	Junior Assistant	"Promotion/ Direct/ transfer"	111	66	45
55	Typist & Typist Grade-I	Direct/transfer	42	16	26
56	Depot Manager Grade-I	Promotion	22	18	4
57	Depot Manager Grade-II	Promotion	88	80	8
58	Depot Manager	Direct/transfer	159	47	112
59	Driver	Direct/transfer	67	26	41
60	Data Entry Operator	Direct/transfer	17	7	10
61	Telephone Operator	Direct/transfer	4	2	2
62	"Motor Cycle Messenger (manned by LMV Driver)"	Direct/transfer	1	0	1
63	Plumber/Pipeline Fitter	Promotion	1	0	1
64	Pump House Motor Driver	Direct and promotion	1	1	0
65	Fitter Grade-II	Direct and promotion	6	3	3
66	Mechanical Operator Gr.II		1	1	0
67	Pump Operator I & II		14	9	5
68	Electrical Pumpsman		154	10	144



69	Fieldman	Other Method	1	1	0
70	Lift Operator	Direct	1	1	0
71	Field Assistant/Sub Ins. Survey	Deputation	2	1	1
72	Helper Grade-I	Promotion	1	0	1
73	Record Assistant	Direct and Promotion	45	17	28
74	Office Assistant	Direct	102	32	70
75	Sweeper/Scavenger/Sanitary Worker	Direct	15	12	3
76	Watchman	Direct	50	35	15
77	Chloronome Operator	Promotion	8	5	3
78	Diesel Generator Driver	Promotion	2	1	1
79	Filter Operator	Promotion	17	7	10
80	Assistant Driller	Other Method	1	1	0
81	Tahsildar	Deputation	11	10	1
	Total Staff Strength		2602	1431	1171
82	"Labour Establishment /				
	Driver (HMTV) SS 101"	Direct	1993		
	Grand Total		7255	3424	3831
	* 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 2011-2012 IN CMWSS BOARD

Sl. No.	Designation	No. of Transfer and Postings
1	Superintending Engineer	03
2	Executive Engineer	11
3	Assistant Executive Engineer	18
4	Senior Accounts/Administrative Officer	14
5	Assistant Engineer/Junior Engineer	35
6	Accounts/Administrative Officer	07
7	Junior Accounts/Administrative Officer	14
8	System Operator	01
9	Steno-Typist Grade-II	01
10	D'man-cum-Surveyor	01
11	Electrical Operator (LT)	01
12	Electrical Operator (HT)	02
13	Lab Technician Grade-II	01
14	Assistant	01
15	Steno-Typist Grade-III	05
16	Electrician	08
17	Junior Assistant	10
18	Depot Manager Grade-I	01
19	Depot Manager	03
20	Driver	07
21	Office Assistant/Field Worker	53



DETAILS OF DEPUTATIONISTS FOR THE PERIOD FROM 01.04.2011 TO 31.03.2012

SL No.	Tvl.	Name	Designation	Period	
				From	To
1		Dr. K.Gopal, I.A.S.	Managing Director	22.06.11	13.12.11
2		Sheela Balakrishnan, I.A.S.	Managing Director i/c.	07.02.12	08.03.12
3		Apurva Varma, I.A.S.	Managing Director	08.03.12	12.12.12
4		K.Maharabushanam, I.A.S.	Executive Director	06.08.10	03.06.11
5		C.Arumugam, I.A. & A.S.	Finance Director	29.09.11	till date
6		P.Baskaran, D.R.O.	Secretary-cum-General Manager	04.03.11	27.06.13
7		N.Balaiah	Public Relations Manager	01.07.11	till date
8		R.Udayakumar	Internal Auditor	14.10.10	till date
9		S.Suresh	Deputy Controller of Finance (IA)	09.04.09	08.04.13
10		Sivakolunthu	Sub Inspector of Survey	02.01.09	29.08.11
11		R.Mohammed Ubayadullah	Sub Inspector of Survey	06.04.09	29.08.11
12		G.Mohan	Sub Inspector of Survey	09.11.11	till date
13		H.Alexander	Sub Inspector of Survey	29.03.12	30.04.13
14		Dr.P.Kamesh Balaji, M.B.B.S.,	Medical Officer	12.06.09	31.05.13
15		V.Veeramanikandan	Pharmacist	28.08.08	till date
16		N.Tharanipathi	Retired Deputy Collector	28.11.11	-do-
17		M.R.Yugendran	Regular Tahsildar	10.06.11	-do-
18		Tamilarasan	Retired Tahsildar	05.11.08	-do-
19		M.S.Venkataramani	Retired Tahsildar	01.12.11	-do-
20		R.Natarajan	Retired Deputy Collector	03.11.08	-do-
21		V.R.L.Simhon	Retired Deputy Collector	07.01.10	-do-
22		R.Devendran	Retired Deputy Collector	17.09.10	-do-
23		S.Ramalingam	Retired Tahsildar	24.11.08	-do-
24		S.K.Rajan	Retired Deputy Collector	28.11.11	-do-

DETAILS OF APPOINTMENT MADE DURING THE PERIOD FROM 01.04.2011 TO 31.03.2012

SL No.	Method of recruitment	Name of the Post	Appointment during the year	No. of Staffs
1	Through Exchange	Employment Junior Assistant	November 2011	24



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.

IMPROVEMENT WORKS AT TRAINING CENTRE

Part-II Scheme works

Sl. No	Name of the work / Contract No.	Date of Commencement	Date of Completion	Contract value Rs	Bill Value Rs.	Remarks
1	Conversion of Existing Library in to Meeting hall CNT/WSS/MWB/1993/2010-11	23.06.2010	10.06.2011	26,24,362.07	18,24,846.00	
2	Remodification of Director's Chamber and Administrative Wing at Training Centre CNT/WSS/MWB/1991/2010-11	30.06.2010	10.06.2011	24,27,923.76	22,44,910.08	
3	Providing Aluminum partition and allied works in workshop 1&2 as an Exhibit Hall at Training Centre TC/improvement/006-A/2011-12		26.03.2012	1,58,897.08	1,52,152.23	
4	Renovation of civil works to the existing hostel building at Training Centre CNT/WSS/GOTN/2074/2010-11	17.08.2011	10.05.2012	30,18,960.00	28,55,030.00	
5	Renovation of Electrical items works to the existing Hostel Building at Training Centre CNT/WSS/GOTN/2080/2010-11	22.11.2011	16.04.2012	15,03,829.00	15,28,608.34	
6	Providing Gardening and Landscapping at Training Centre CMWSSB/C&M/CNT/WSS/MWB/2009A/10-11	25.10.2010	31.03.2011 & 31.3.2012 (Maintenance period completed)	10,52,575.04	11,03,319.99	



IN - HOUSE TRAINING PROGRAMMES

In the In-house training programme, 24 course have been conducted under the following categories

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

In the year 2011-12, 1025 staff including Field workers of our Board have been trained in the In-house Training programmes conducted by the Training centre.

CPHEEO SPONSORED TRAINING COURSES

The Central Public Health Engineering and Environmental Engineering Organisation (CPHEEO), Ministry of Urban Development, Government of India is sponsoring five refresher courses on the following topics related to Public Health.

The course topics and the number of participants attended the training during 2011-12 are as follows

S.No	Name of the Course	Duration in days	No of participants attended	
			CMWSSB Staff	Other Organisation Staff
1	Corrosion control	5	15	3
2	Sewage Works Supervisors	10	14	-
3	Care and use of Chlorinators	5	8	5
4	Filter Operations	7	14	3
5	Laying of Water Mains and Sewer Mains	5	13	8
Total No of Participants attended			64	19

SPECIAL TRAINING PROGRAMMES

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

S.No.	Name of the Course	No. of Participants attended
1	On the job training for the Women's Christian College Students (from-27.4.2011 to 21.05.2011)	9
2	Orientation Training programme for the newly appointed Jr.Asst's.(from 20.09.2011 to 21.09.2011)	22
Total		31



TECHNICAL - VACANCY POSITION AS ON 21.06.2013

SLNo.	Name of the Post	Permanent	Temporary	Sanctioned Strength	Present Strength	Vacancy
1	Chief Engineer (including Engineering Director)	3	3	6	5	1
2	Superintending Engineer	14	3	17	17	0
3	Executive Engineer	39	18	57	44	13
4	Assistant Executive Engineer (Civil/Mechanical)			132	113	19
5	Assistant Executive Engineer (Electrical)			29	28	1
	AEE (Civil/Mech/Elec.) Total	122	39	161	141	20
6	Assistant Engineer (Civil/Mechanical)			262	167	95
7	Junior Engineer (Civil/Mechanical)			88	65	23
8	Assistant Engineer (Electrical)			118	67	51
9	Junior Engineer (Electrical)			40	69	-29
	AE/JE (Civil/Mech/Elec.) Total	398	110	508	368	140
10	Draughtsman-cum-Surveyor			65	12	53
11	Electrical Operator (HT)			171	18	153
12	Electrical Operator (LT)			46	46	0
13	Electrician			128	117	11
14	Electrical Pumpsman			154	10	144
	Total			1313	778	535



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	Thiru-vi-ka Nagar	Ambattur	A n n a 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	618	2562	2847	1392	2142	2320	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	1855	1697	0	12005	8261	10629	3811	11038
9	No of Pumping Stations	6	2	0	34	20	17	4	28

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	1799	2367	3095	1696	2794	2691	1820	31889
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	5274.882
7	Length of sewer main (Km)	376.73	458.75	525.500	143.45	520.43	9.0	0	3643.082
8	No of manholes	10059	12239	3378	4863	15672	100	0	95607
9	No of Pumping Stations	23	23	7	2	46	2	0	214



LIST OF FIXED ASSETS

SUB-SCHEDULE TO F SCHEDULE BALANCE SHEET

(Rs. In Lakhs)

FIXED ASSETS - WATER SUPPLY	2011-12
DAMS, RESERVOIRS AND SOURCE RESERVOIRS	1825.10
WELLS INCLUDING TUBE WELLS	2024.94
INFILTRATION GALLERIES	1.59
OPEN CHANNELS	331.65
TRANSMISSION CONDUITS	70203.74
PUMPING PLANT	8960.57
FILTRATION PLANT	207.58
TREATMENT PLANT - WATER SUPPLY	17024.63
TREATED WATER TANKS	2102.76
POWER GENERATORS	636.43
DISTRIBUTION MAINS	65962.11
HYDRANTS	2.32
BOOSTERS AND PUMPING STATIONS	7934.51
SERVICE CONNECTIONS - WATER SUPPLY	12747.95
VENTURI AND FLOW METERS	393.05
CUSTOMERS METERS	169.88
HAND BORING SETS	11.49
PUBLIC FOUNTAINS	316.05
LAND - WATER SUPPLY	1237.66
OTHER CIVIL STRUCTURES - WATER	22247.18
ELECTRICAL EQUIPMENTS - WATER	1245.08
OTHER EQUIPMENTS AND TOOLS - WATER	662.55
CHENNAI CITY TRANSMISSION AND DISTRIBUTION PR	18187.49
MOBILE WATER LORRIES	3.74
PROJECT COMM II - CHENNAI PROJECT	5551.48
PROJECT COMM 530MLD	4832.81
TOTAL	244824.33



(Rs.In Lakhs)

FIXED ASSETS - SEWERAGE	2011-12
SERVICE CONNECTIONS - SEWERAGE	3646.60
COLLECTION SEWERS	31887.58
PUMPING PLANT	14284.54
POWER GENERATORS	778.56
FORCE & GRAVITY MAINS	15530.56
TREATMENT PLANT - SEWERAGE	4000.80
PILOT PLANTS	68.66
OXIDATION PONDS	0.66
SEWERAGE FARMS	1094.61
OTHER EQUIPMENTS AND TOOLS - SEWERAGE	2974.48
LAND - SEWERAGE	79.56
OTHER CIVIL STRUCTURES	10883.28
ELECTRICAL EQUIPMENTS	4453.96
SEWERAGE MOBILE LORRIES	79.83
PROJECT IN PROGRESS - SEWERAGE	0.00
PROJECT COMM - CCRCP SEW.	971.52
TOTAL	90735.19

(Rs.In Lakhs)

FIXED ASSETS - GENERAL	2011-12
LAND - GENERAL	74.92
ROADS & BRIDGES	384.70
BUILDINGS	1640.70
FURNITURE & FIXTURES	231.92
OFFICE EQUIPMENTS - GENERAL	431.65
CONSTRUCTION EQUIPMENTS	1403.51
RESOURCE CENTRE PLANT AND EQUIPMENT	18.47
LABORATORY EQUIPMENT	128.39
SURVEY AND DRAWING OFFICE EQUIPMENT	3.89
COMMUNICATION EQUIPMENT	83.70
OFFICE VEHICLES	287.74
OPEN LORRIES/MINI LORRIES	13.22
OTHER EQUIPMENT - GENERAL	112.98
COMPUTER INSTALLATIONS	907.53
TOTAL	5723.32

