

Bhubaneswar Water Supply & Sewerage System

At a Glance



PUBLIC HEALTH CIRCLE, BHUBANESWAR

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History of Bhubaneswar Water Supply

The water supply system of Capital City of Bhubaneswar was implemented in the year 1954 and thereafter augmented by introduction of different capacity of water treatment plants considering the source river Kuakhai, Daya and Mahanadi at different occasions as stated below:-

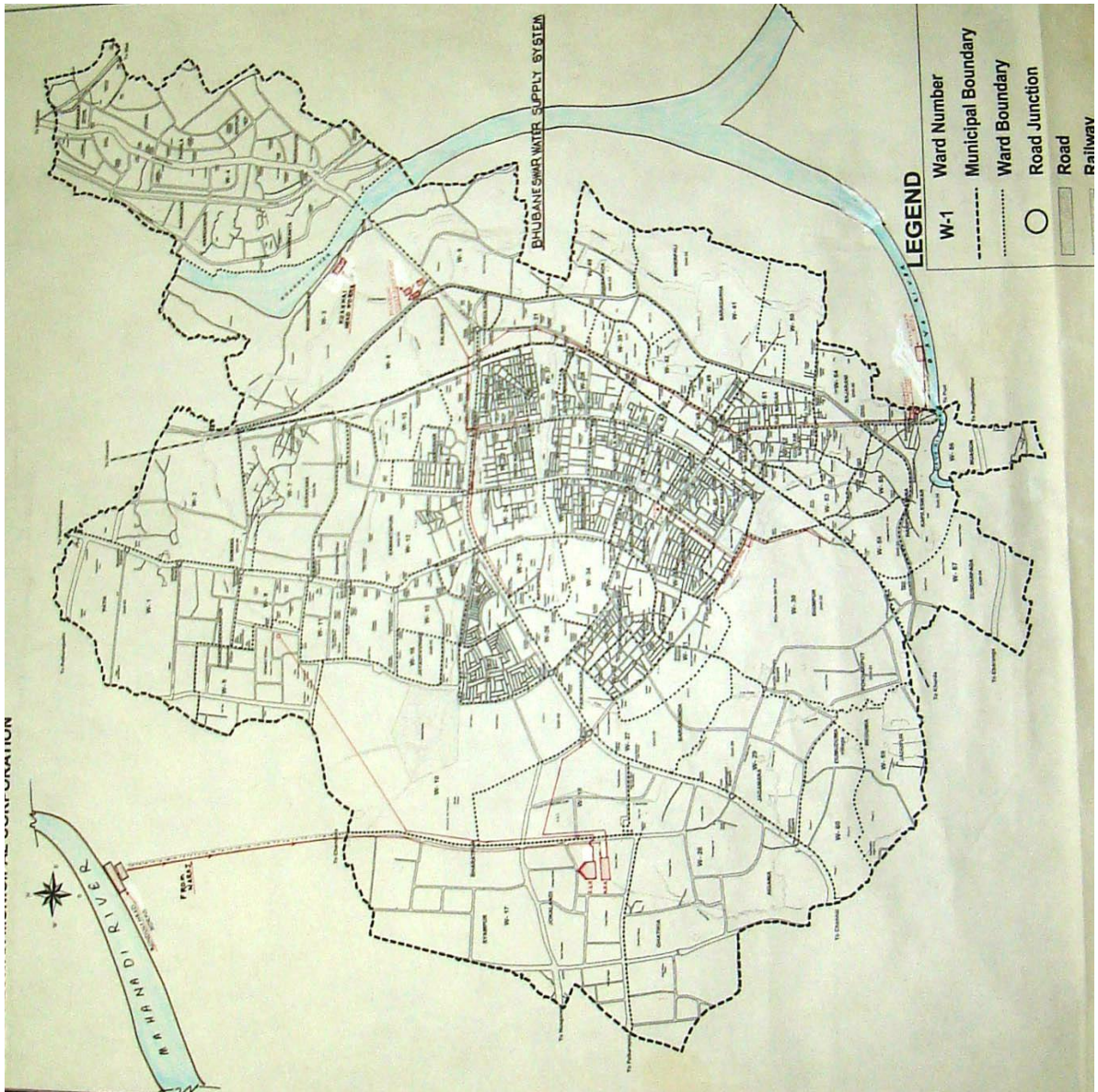
Year	Capacity of water treatment plant.	Location of WTP	Source
1954	1.50 MGD	High Level Tank	Kuakhai
1962	3.00 MGD	Palasuni.	Kuakhai
1973	1.5 MGD and subsequently converted to 3.00 MGD	Bhuasuni	Daya
1973	6.00 MGD	Palalsuni.	Kuakhai
1985	9.00 MGD	Palasuni	Kuakhai
1985	1.5 MGD	Chandrasekharpur	Kuakhai
1997	25.00 MGD	Mundali.	Mahanadi

Due to rapid expansion of the city and faster growth of the population, the existing systems were felt to be inadequate. In order to meet the growing need, augmentation of the water supply system with a safe and dependable source, the Naraj water supply project was designed and implemented taking river Mahanadi as source, with intake point at Mundali (Near Naraj).

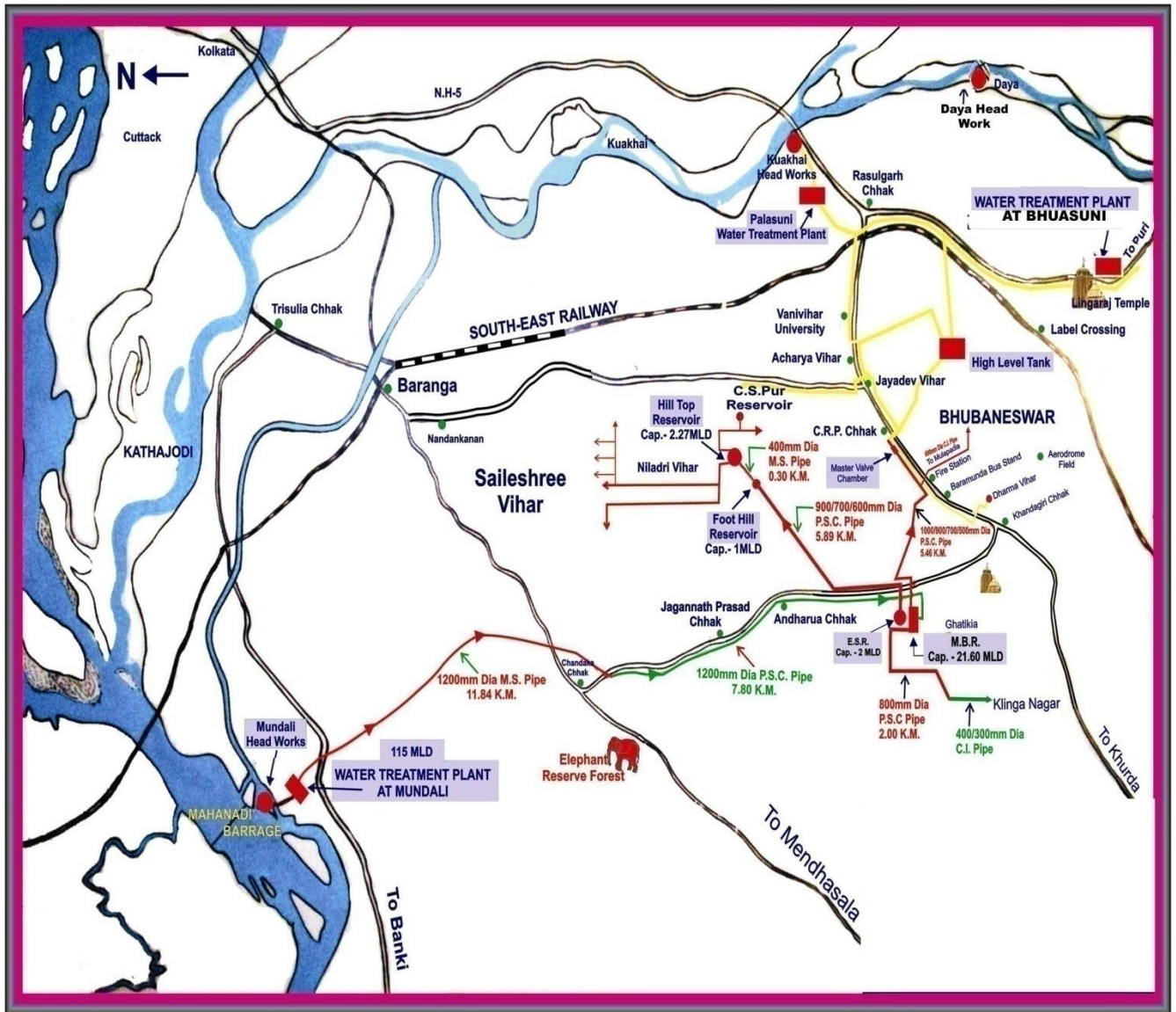
The designed capacity of the plant was to cater the need of the projected population of 12 lakhs by 2011 A.D. The project was started in the year 1994, completed & commissioned in the year 1997.

SOURCE

Surface Water



RISING MAIN



INTAKE WELL

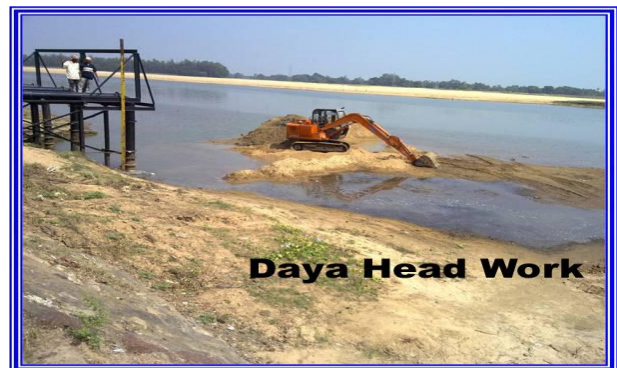
Kuakhai Head Work



The first water supply system to the capital city, Bhubaneswar was implemented in the year 1954 with a treatment plant having capacity of 6.82 MLD {1.50 MGD}. The head works is situated on the bank of river Kuakhai near village Mancheswar. The pumping units were installed in different years in a phased manner as per the raw water demand of the water treatment plants at Palasuni and at present around 25.31 MGD of raw water is being drawn daily from river for treatment. It has been observed that during dry season (i.e., from January to June) the flow of raw water in River Kuakhai is scanty & for maintaining smooth pumping of water the level is maintained at 47'-0" MSL by releasing raw water from Puri main Canal through Kanpur escape. Raw water is being pumped to W.T.P. at Palasuni, Rasulgargh, High Level WTP, Chandrasekharpur WTP.

DAYA Head Work

The raw water is pumped from river Daya, a branch of river Kuakhai, which is a perennial source of water. However a lot of efforts are made during the summer to divert the flow of water to the intake point. Raw water is being pumped in Old Town (Bhuasuni) WTP.



Mundali Head Work



The Head Works & Water Treatment Plant of 25.00 MGD capacity at Mundali has been set up in the year 1997 in order to provide water supply to the growing population of Bhubaneswar up to 2011.

WATER TREATMENT PLANTS

Location	Capacity	Numbers	Type
High Level Tank	1.5 MGD	1 No.	Rapid sand
Old Town (Bhuasuni)	3.0 MGD	1 No.	Rapid sand
Palasuni	3.0 MGD	1 No.	Rapid sand
	6.0 MGD	1 No.	Rapid sand
	9.0 MGD	1 No.	Rapid sand
Chandrasekharpur	1.5 MGD	1 No.	Slow sand
Mundali	25.0 MGD	1 No.	Rapid sand

High Level Tank Water Treatment Plant

High level tank water treatment was constructed in the year 1954. The Treatment Plant receives Raw Water from Kuakhai Head Works. It also receives clear water from Palasuni Water Treatment Plant and Mundali Water Treatment Plant through Ghatikia Reservoir.

The Water Supply is effected to Govt. Residential & Non-residential Building in Unit-I, Unit-II, Unit-III, Unit-V & Unit-VI including that of Secretariat building, OLA Building, HOD Building, State Guest House, I & PR Building, Capital Hospital Building and other non-residential Buildings of the area



Spring Tank Water Treatment Plant

There is a natural spring from which water is collected and filtered through pressure filter of 0.50 MGD capacity to supply water to near by Forest Park and Aerodrome area. Now it is stopped as water is available from Mundali source.



Old Town (Bhuasuni) Water Treatment Plant

The Treatment plant was set up in the year 1973 with a capacity 1.5 MGD at Samantarapur, Old Town and was subsequently upgraded to 3.0 MGD capacity in the year 1981.



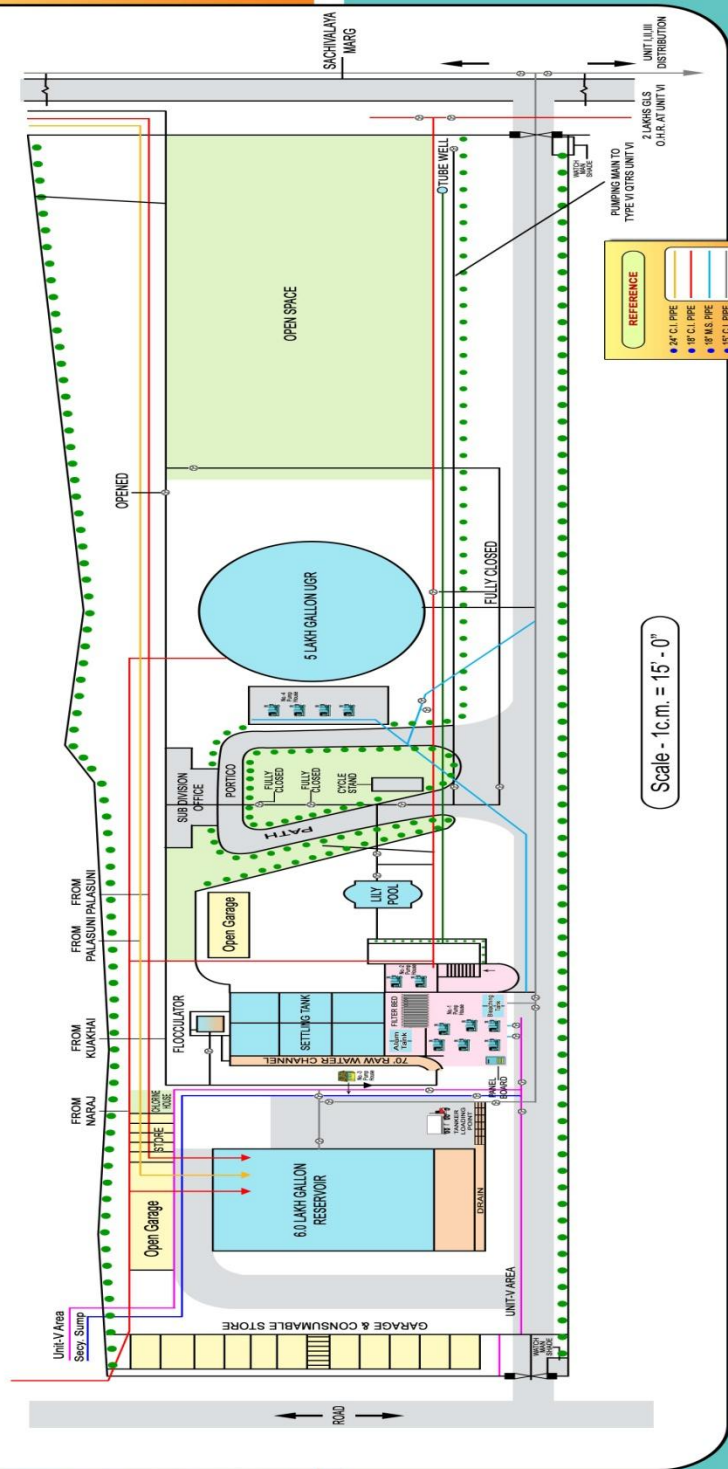
Palasuni Water Treatment Plant

This was constructed in a phased manner from the year 1962 to 1985 as follows in order to provide potable drinking water to the capital city of Bhubaneswar with different water treatment units of 3, 6 & 9 MGD plant at Palasuni which is about 1 KM. distance from Kuakhai head works.

	<u>Plant</u>	<u>Year of Commissioning</u>
1)	3 MGD-	1962
2)	6 MGD-	1974
3)	9 MGD-	1980



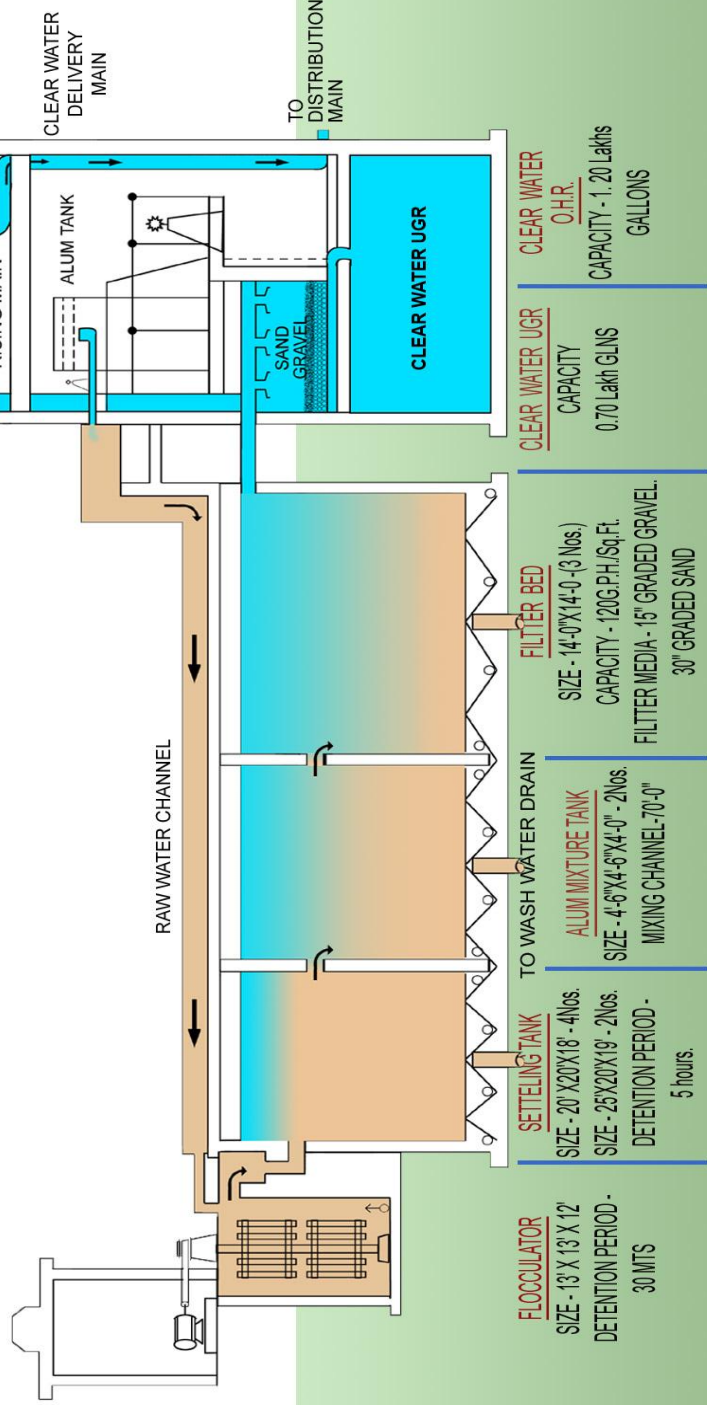
LAYOUT PLAN HIGH LEVEL TANK WATER WORKS UNIT-V, BHUBANESWAR

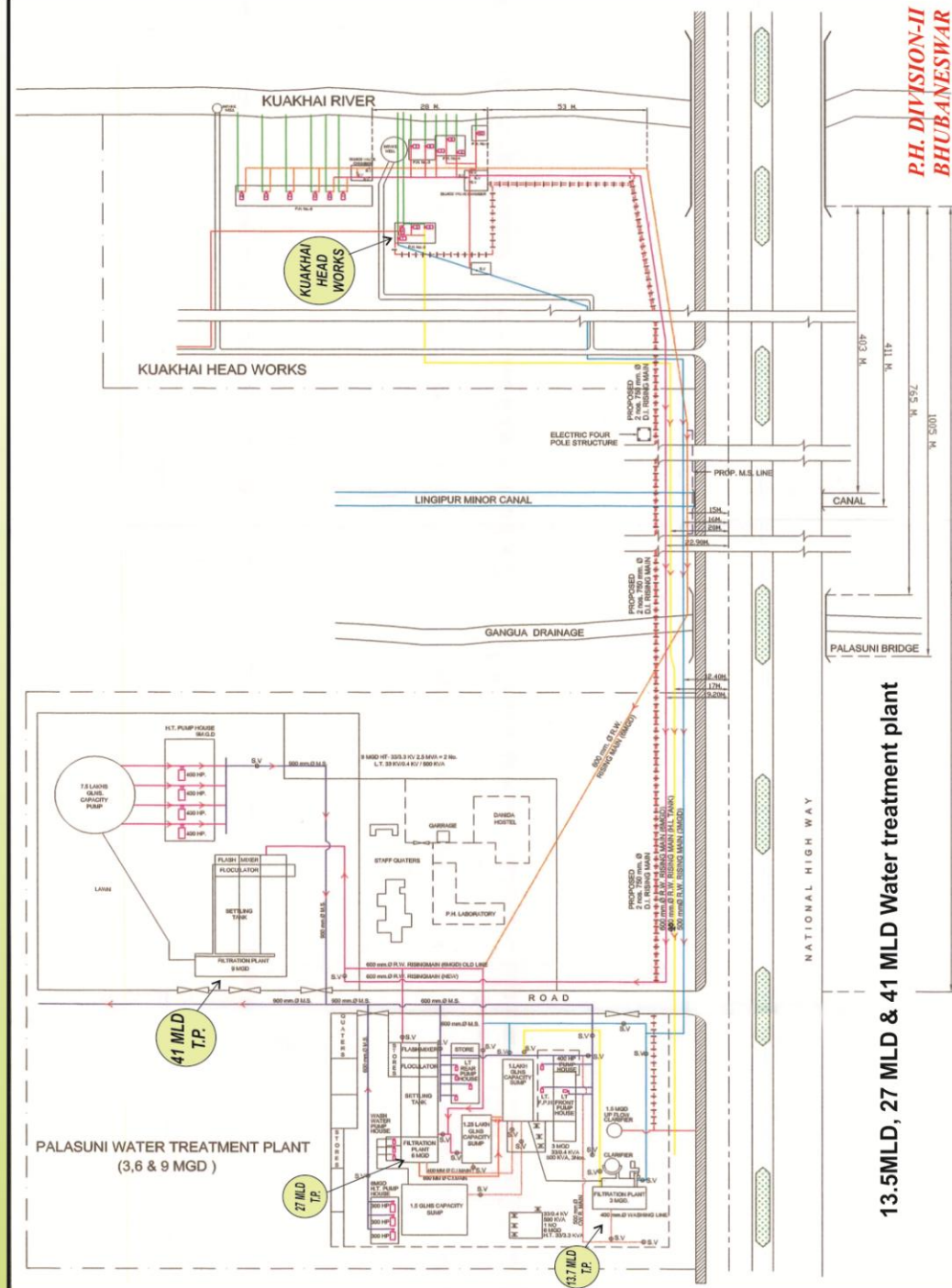


1.5 M.G.D. WATER TREATMENT PLANT

1.5 M.G.T. WATER TREATMENT PLANT

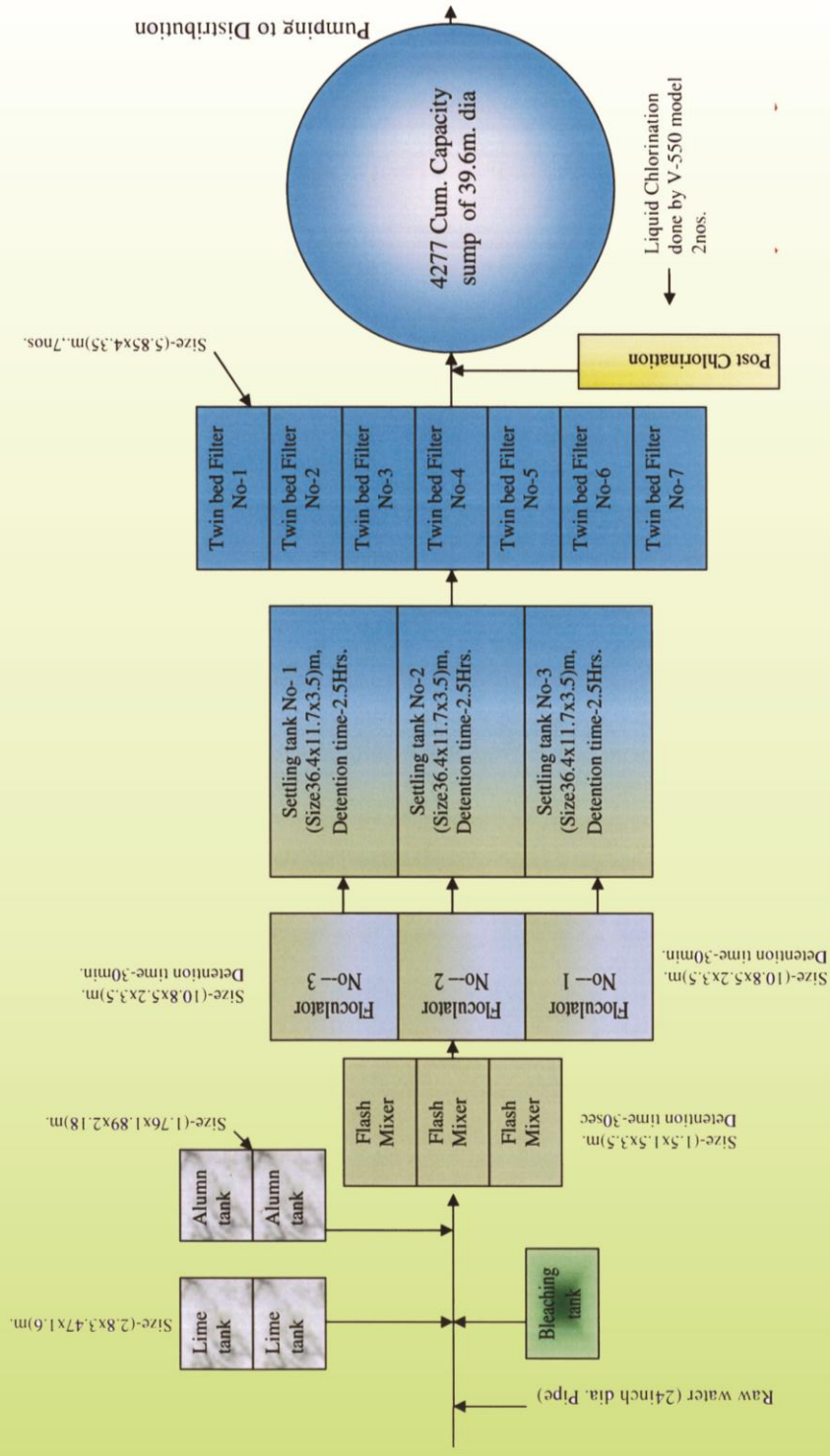
NEW CAPITAL UNIT - V, BHUBANESWAR





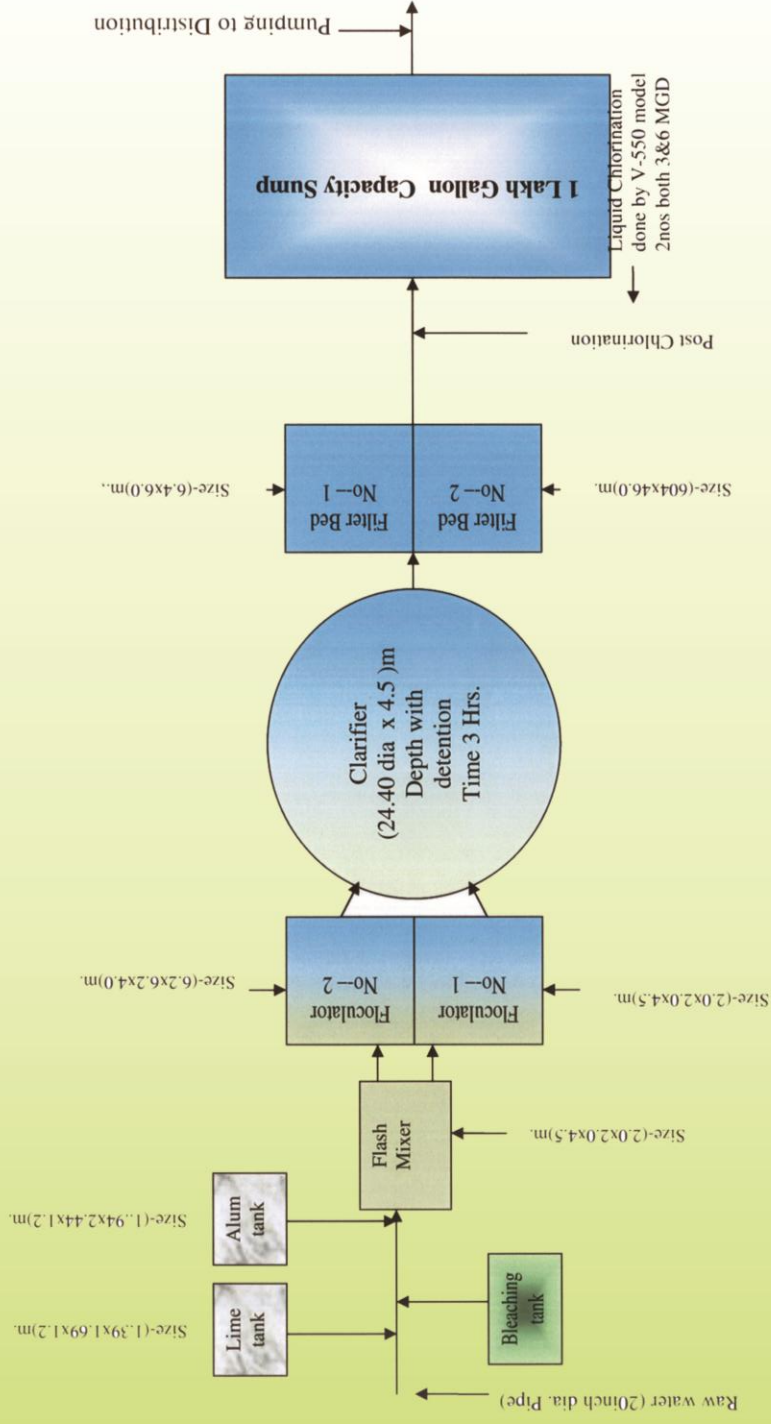
13.5MLD, 27 MLD & 41 MLD Water treatment plant

FLOW DIAGRAM OF 41 MLD TREATMENT PLANT

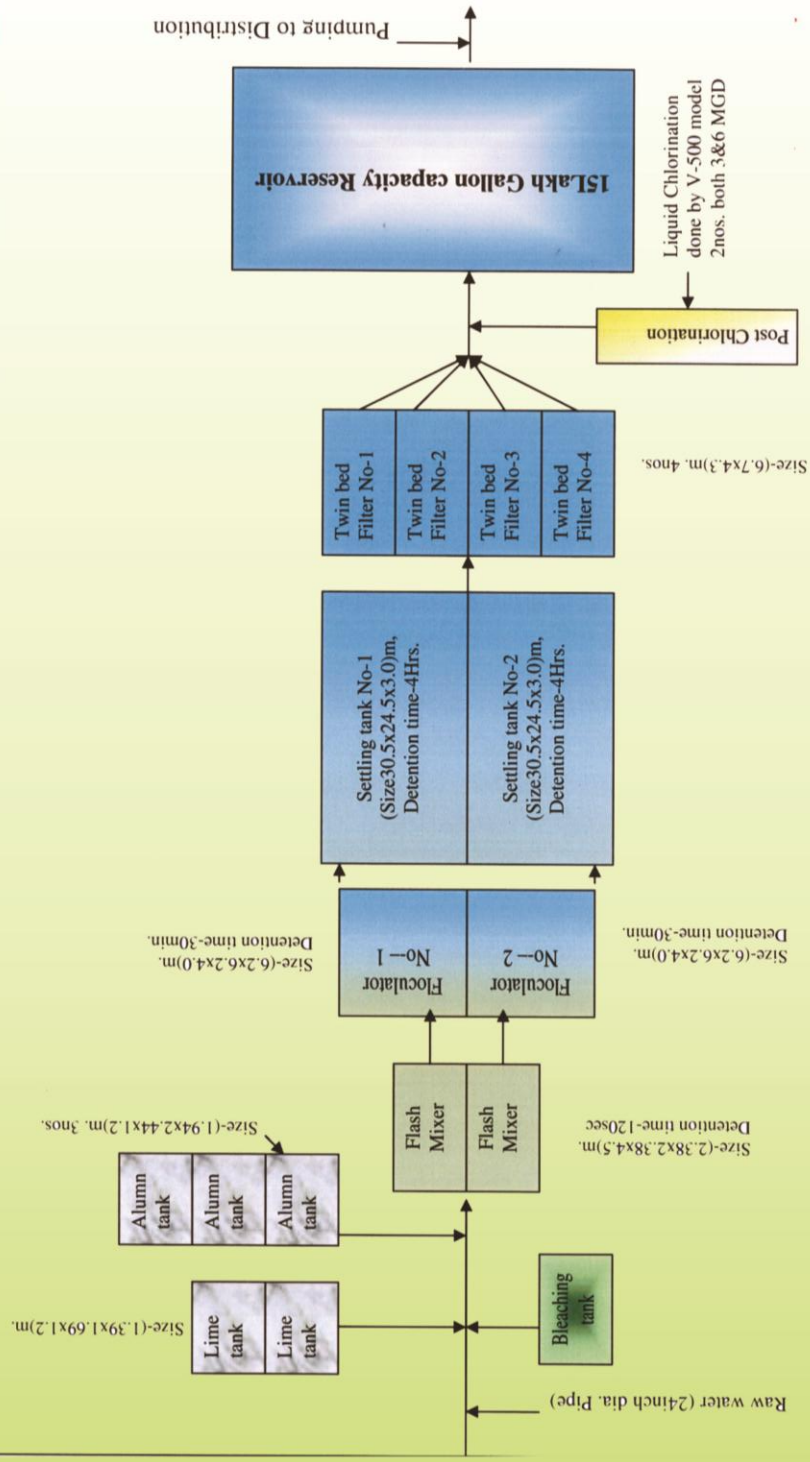


P.H. DIVISION-II
BHUBANESWAR

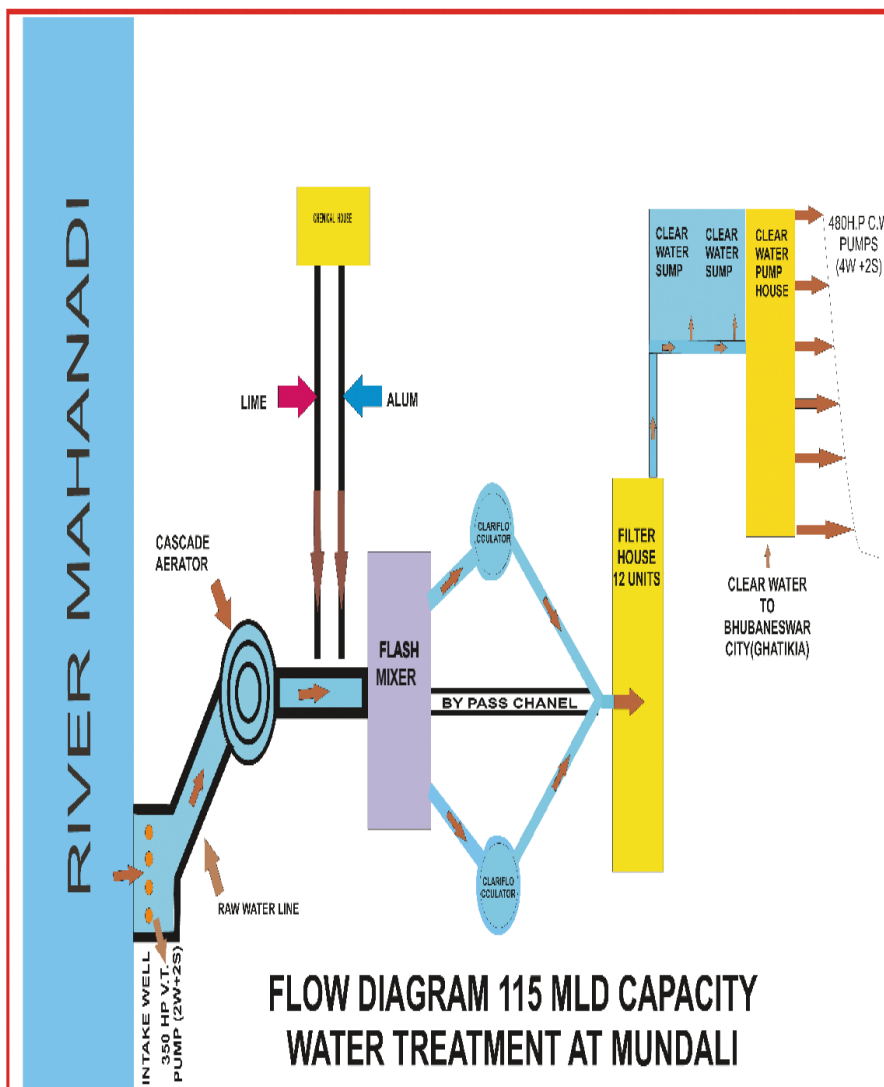
FLOW DIAGRAM OF 13.5 MLD TREATMENT PLANT



FLOW DIAGRAM OF 27 MLD TREATMENT PLANT



P.H. DIVISION-II
BHUBANESWAR



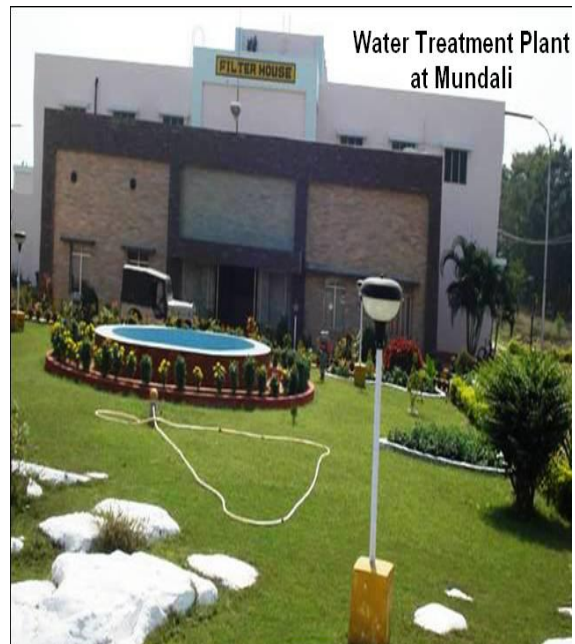
Chandrasekharpur Water Treatment Plant

Due to development in and around Chandrasekharpur area, a treatment plant (slow sand filter) of 1.50 MGD capacity was constructed near P.H. Section, Chandrasekharpur in the year 1985 taking Kuakhai River as source.



Mundali Water Treatment Plant

The Head Works & Water Treatment Plant of 25.00 MGD capacity at Mundali has been set up in the year 1997 in order to provide water supply to the growing population of Bhubaneswar upto 2011.



Ground Water

51.08 MLD of clear water is being collected from the 175 Nos. of production wells in Bhubaneswar city.



QUALITY CONTROL

Facilities of Laboratory for Testing parameters

Palasuni Water Treatment Plant	Turbidity, pH Value, Residual Chlorine, Conductivity , Temperature, Chloride, Fluoride, Sulphates, Saline, Ammonia, Sodium, Potassium, Iron, Total Solid, Dissolved Solid, Suspended Particles, Alkalinity, Hardness, Calcium, Magnesium, Arsenic, Nitrate, Bacteriological Test
High Level Tank Water Treatment Plant	Turbidity, pH Value, Residual Chlorine
Bhuasuni Water Treatment Plant	Turbidity, pH Value, Residual Chlorine
Mundali Water Treatment Plant	Turbidity, pH Value



Online Monitoring of Water Quality

Automation of Water Treatment Plants at Palasuni, Bhubaneswar

Automation of water treatment plant has been made since 2007 at Palasuni, water treatment plant at Bhubaneswar. The system envisages fully computerized system for clear water pumping management and monitoring, on-line water quality data recording, analysis and transmission round the clock. The automation system also includes fully on-line computerized system for water level recording and monitoring in the clear water reservoirs of the water treatment plants. The data are instantly transmitted from the water treatment plants to the computers installed in the chamber of the Executive Engineer, P.H. Division-II, Bhubaneswar through PLC and radio data transmission system.

Automation of Water Treatment Plants at Munduli, Bhubaneswar

Automation of water treatment plant has been made since 2009 at Munduli, water treatment plant at Bhubaneswar. The system envisages computerized system for clear water pumping management and monitoring, on-line water quality data recording and analysis. The automation system also includes fully on-line computerized system for water level recording and monitoring in the clear water reservoirs of the water treatment plants.



Water Works Monitoring Cell, Palasuni, Bhubaneswar

CLEAR WATER STORAGE

Total number of ESR in Bhubaneswar City	-42 Nos.
Total Storage Capacity of all ESRs of Bhubaneswar City	-13.17 ML



Total number of UGR in Bhubaneswar City	-124 Nos.
Total Storage Capacity of all UGRs of Bhubaneswar City	-97.75 ML

DISTRIBUTION SYSTEM



Distribution System consists of C.I. Pipe line of 100 mm 150 mm 200 mm 250 mm dia of total length of 937.21 KM for Bhubaneswar City.

Type of pipe -	CI, PVC & HDPE
Size of pipe -	100 mm, 150mm, 200mm, & 250mm

STATUS OF WATER SUPPLY OF BMC AREA (AS ON 01.04.2012)

Sl. No.	Description of Item	Quantity	
1	Population as per 2001 Census	6,57,447 Nos.	
2	Present Population (Approx) 2012	8,62,000 Nos.	
3	Total Number of wards	60 Nos.	
4	No. of wards Covered		
	A) Fully Covered	25 Nos.	
	B) Partly Covered	31 Nos.	
	C) Uncovered	04 Nos.	
5	Source and production of water		
	A) River	River Mahanadi	64.22 MLD
		River Kuakhai	118.81 MLD
		River Daya	19.04 MLD
	B) Production Well	189 Nos.	42.19 MLD
	C) Other	Spring Tank	2.27 MLD
		Total =	246.53 MLD
6	Storage Facility		
	A) UGR	124 Nos.	97.75 ML
	B) ESR	42 Nos.	13.17 ML

7	Treatment plant		High Level Tank	5.44 MLD
			Old Town	19.04 MLD
			Palasuni	111.623 MLD
			Chandrasekh arpur	1.98 MLD
			Mundali	59.58 MLD
			Total =	197.663 MLD
8	Present water demand		116.37 MLD @ 135 LPCD	
9	Present level of Water Supply		246.53 MLD @ 283 LPCD	
10	Hand Pump Tube wells		2999Nos.	
11	No. of Metered Connection		706 Nos.	
12	No. of Water Supply connection existing			
	A) Domestic	i) Government	18,681 Nos.	
		ii) Private	42,381 Nos.	
	B) Commercial.		1303 Nos.	
	C) Institutional		756 Nos.	
	D) Industrial		67 Nos.	
	E) ULB		16 Nos.	
	F) Standpost		563 Nos.	
	Total =		63767 Nos.	

13	Total quantity of water supply per day	From Mahanadi	64.22 MLD
		From Kuakhai	118.81 MLD
		From Daya	19.04 MLD
		From 189 Nos Production Well	42.19 MLD
		Total =	244.26 MLD
14.	Operating Expenses	Staff cost (regular)	1502.08
		Staff cost (Contract incl. NMR & HR))	184.37
		Electricity / Fuel	1757.82
		Chemicals	173.06
		Repair & Maintenance	830.32
		Contract service	0.48
		Others	-
		Total=	4448.13
15	Leakages repaired April'2011 to March'2012.	Received	5203Nos.
		Attended	5203 Nos.
16	Tanker service from April'2011 to March'2012.	Against Complaint	8587 Nos.
		Received	8587
		Attended	8587
		Supply to uncovered area	1853 Nos.

ORGANISATIONAL STRUCTURE

Engineer in Chief, Public Health, Odisha, Bhubaneswar.

Chief Engineer, Public Health (Urban) Odisha, Bhubaneswar.

Superintending Engineer, Public Health Circle, Cuttack.

Superintending Engineer, Public Health Circle, Bhubaneswar.

Superintending Engineer, Public Health Circle, Berhampur.

Superintending Engineer, Public Health Circle, Sambalpur.

Executive Engineer, P.H. Division-I, Bhubaneswar

Executive Engineer, P.H. Division-II, Bhubaneswar

Executive Engineer, P.H. Division-III, Bhubaneswar

Executive Engineer, P.H. Division Puri

**Assistant Engineer, P.H. Sub-Division
4 Nos.**

**Assistant Engineer, P.H. Sub-Division
4 Nos.**

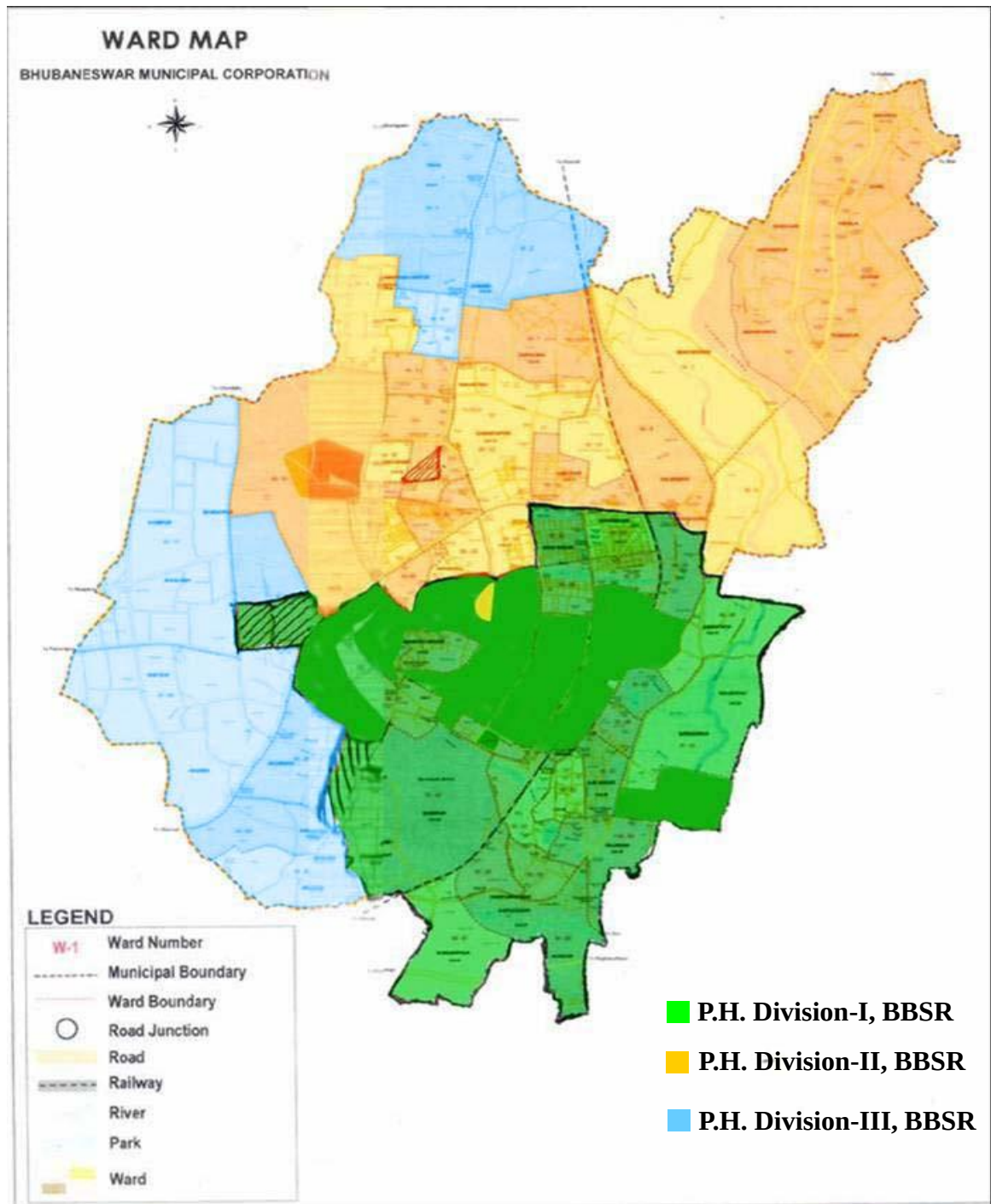
**Assistant Engineer, P.H. Sub-Division
4 Nos. (2 Nos. inside BBSR =
2 outside BBSR)**

**Junior Engineer, P.H. Section 16
Nos.**

**Junior Engineer, P.H. Section 16
Nos.**

**Junior Engineer, P.H. Section 16
Nos.**

WARD MAP & JURISDICTION MAP OF DIVISIONS



MEN IN POSITION

Sl. No	Name of P.H. Division	Engineering Staff		Ministerial Staff		Field Staff			Total
		Regular	W/Ch	Regular	W/Ch	Regular	W/Ch	NMR / HR	
01.	P.H. Divn-I, BBSR	21 Nos.	--	66 Nos.	--	318 Nos.	148 Nos.	243 Nos.	802 Nos.
02.	P.H. Divn-II, BBSR	23 Nos.	--	37 Nos.	--	170 Nos.	292 Nos.	115 Nos.	577 Nos.
03.	P.H. Divn-III, BBSR	22 Nos.	1 No.	34 Nos.	28 Nos.	116 Nos.	87 Nos.	184 Nos.	472 Nos.
	Total =	66 Nos.	1 No.	137 Nos.	28 Nos.	604 Nos.	527 Nos.	542 Nos.	1851Nos.

DETAILS OF WATER SUPPLY PIPE LINES

P.H. Division-I, Bhubaneswar

Sl. No.	Name of the Section	Dia of the pipeline (Mtr.)											Total
		80mm	100mm	125mm	150mm	200mm	250mm	300mm	350mm	400mm	450mm	500mm	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	P.H. Section-I, Unit-II, BBSR	0	16172	1265	8112	1962	450	950	0	0	0	0	28911
2	P.H. Section-II, Unit-I, BBSR	0	10596	0	5690	383	290	70	0	0	0	0	17029
3	P.H. Section-III, Unit-III, BBSR	5268	12885	160	8215	1847	3274	1950	0	0	0	0	33599
4	P.H. Section-IV, Toshaliplaza, BBSR	36	58	0	250	0	0	0	0	0	0	0	344
5	P.H. Section, Unit-VIII, BBSR	0	22754	0	17506	8360	0	1600	0	0	2500	0	52720
6	P.H. Section, Rajbhawan, BBSR	0	4530	0	1460	0	0	0	0	0	0	0	5990
7	P.H. Section, MLA Colony, BBSR	443	2996	0	4150	4855	0	180	0	0	0	0	12624
8	P.H. Section, Baramunda, BBSR	0	14503	0	12062	4982	2225	1062	1230	0	3150	0	39214
9	P.H. Section-I, Mulapadia, BBSR	9800	19101	0	18150	6050	2600	8750	0	0	0	0	64451
10	P.H. Section-II, Oldtown, BBSR	0	20795	0	3470	3900	1200	9200	1000	2800	2200	0	44565
11	P.H. Section-III, Museum, BBSR	882	19115	0	6287	2585	402	4745	0	0	0	0	34016
12	P.H. Section-IV, Laxmisagar, BBSR	0	47528	0	13120	8000	250	5000	0	0	0	0	73898
13	P.H. Section-I, H.L. Tank, BBSR	0	4628	0	2660	1000	500	600	800	900	2500	400	13988
14	P.H. Section, Sectt., BBSR	150	0	0	350	0	0	0	0	0	0	0	500
15	P.H. Section, Spring Tank, BBSR	7120	16845	0	11708	4096	4599	2262	556	534	110	0	47830
		23699	212506	1425	113190	48020	15790	36369	3586	4234	10460	400	469679

DETAILS OF WATER SUPPLY PIPE LINES

P.H. Division-II, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Length & diameter of pipe line (in mtr)																	Other diamete r & length	Total
		80 mm	100mm	150m m	200m m	250m m	300m m	350m m	400m m	450m m	500m m	600m m	650m m	700m m	750m m	800m m	850m m	900m m		
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	P.H. Division-II/Unit-IX/ Section - I		13335	14612	2450	100	1000													31497
2	P.H. Division-II/Unit-IX/ Section - II		5319	9788	2500		1200	9500		8000	5200	6100					1200		3500	52307
3	P.H. Division-II/Unit-IX/ Section - III		10368	4473	670	710														16221
4	P.H. Division-II/Unit-IX/ Section - IV		26209	17691	4259	565	18398	300		1850		2541								71813
5	P.H. Division-II/Saheed Nagar/ Section - I	3070	26538	11439	4004		2972	1464	300											49787
6	P.H. Division-II/Saheed Nagar/ Section - II		14200	3550	1700	510	580													20540
7	P.H. Division-II/Saheed Nagar/ Section - III	340	17668	10060	1860	150														30078
8	P.H. Division-II/Saheed Nagar/ Section - IV		14816	5151	2960	1480	2100	500	1316											28323
9	P.H. Division-II/Rent/ Section - III		3202	2960																11507
10	P.H. Division-II/Palasuni/ Section - I																		5345	515
		3410	131655	79724	20403	3515	25550	11764	1616	9850	5200	8641	0	0	0	1200	0	3500	5345	312073

DETAILS OF WATER SUPPLY PIPE LINES

P.H. Division-III, Bhubaneswar (Inside BBSR)

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	80 mm	Length & diameter of pipe line (in mtr)																Other diameter & length	Total
			100m	150m	200m	250m	300m	350m	400m	450m	500m	600m	650m	700m	750m	800m	850m	900m		
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	P.H. Division-III/Ghatikia/Section - I		51779	30101	8991	8563	5407	318	5285		1540	2552				2000				116536
2	P.H. Division-III/Ghatikia/Section - II		13954	4235	1002	3387	1350	2279				1810		3572				620		32209
3	P.H. Division-III/Ghatikia/Section - III		4957	3073	2443	220	876	130			822			1860				2146	1051	17578
4	P.H. Division-III/Chandrasekhar pur/ Section - I		5465	5804	1560	898	2377	950	1000	1350										19404
5	P.H. Division-III/Chandrasekhar pur/ Section - II		22360	8490	3255	200														34305
6	P.H. Division-III/Chandrasekhar pur/ Section - III		7345	2889	210	560														11004
7	P.H. Division-III/Chandrasekhar pur/ Section - IV		350	4056	462		785													5653
			106210	58648	17923	13828	10795	3677	6285	1350	2362	4362	0	5432	0	2000	0	2766	1051	236689

DETAILS OF SEWERAGE LINES

P.H. Division-I, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Length & diameter of pipe line									Other diameter & length	Total
		100mm	150mm	200mm	225mm	250mm	300mm	350mm	400mm	450mm		
1	2	3	4	5		6	7	8	9	10	11	12
1	P.H. Division-I/Old Town/ Mulapadia		11182	3092		1830	6404					22508
2	P.H. Division-I/Old Town/ Bhuasuni	150	350				922					1422
3	P.H. Division-I/Old Town/ Museum		16210	479		2484	2649					21822
4	P.H. Division-I/Old Town/ Laxmisagar		10608	1068		982	2145					14803
5	P.H. Division-I/Unit-IV/ Section - I (Unit-VIII)		154050	5120		1440	4300					164910
6	P.H. Division-I/Unit-IV/ Section - II (Rajbhawan)		5960									5960
7	P.H. Division-I/Unit-IV/ Section - III (MLA Colony)		6500	2000		600	1000					10100
8	P.H. Division-I/Unit-IV/ Section - IV (Baramunda)	2080	6000	1230		2353						11663
9	P.H. Division-I/Unit-III/ Section-I	7780	7999	9530		800	4641					30750
10	P.H. Division-I/Unit-III/ Section-II	2500	16110	900		500						20010
11	P.H. Division-I/Unit-III/ Section-III	5790	14680	3350		4550	3250				2000	33620
12	P.H. Division-I/Unit-III/ Section-IV	150										150
13	P.H. Division-I/ HLT/Section-I	1150	3650	1108								5908
14	P.H. Division-I/ HLT/Spring Tank	3600	18220	970	3130		490			1430		27840
15	P.H. Division-I/ HLT/Seckt.	1600	360									1960
		24800	271879	28847	3130	15539	25801	0	0	1430	2000	373426

DETAILS OF SEWERAGE LINES

P.H. Division-II, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Length & diameter of pipe line									Other diameter & length	Total
		100mm	150mm	200mm	225mm	250mm	300mm	350mm	400mm	450mm		
1	2	3	4	5		6	7	8	9	10	11	12
1	P.H. Division-II/Unit-IX/ Section - I	38415	18100	3150		257	750				4570	65242
2	P.H. Division-II/Unit-IX/ Section - II		545									545
3	P.H. Division-II/Unit-IX/ Section - III	1780	11524	2060			1200				1888	18452
4	P.H. Division-II/Unit-IX/ Section - IV	8775	14620	3970		2700	190	100		150	215	30720
5	P.H. Division-II/Saheed Nagar/ Section - I		30895	2615		6915	3438			1490		45353
6	P.H. Division-II/Saheed Nagar/ Section - II		14490	682		1038	837	115	285	1348		18795
7	P.H. Division-II/Saheed Nagar/ Section - III		6887	644		794	178					8503
8	P.H. Division-II/Saheed Nagar/ Section - IV		29733	920		365	595			302		31915
		48970	126794	14041	0	12069	7188	215	285	3290	6673	219525

DETAILS OF SEWERAGE LINES

P.H. Division-III, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Length & diameter of pipe line									Other diameter & length	Total
		100mm	150mm	200mm	225mm	250mm	300mm	350mm	400mm	450mm		
1	2	3	4	5		6	7	8	9	10	11	12
1	P.H. Division-III/Ghatikia/Section - I	25	200									225
2	P.H. Division-III/Ghatikia/Section - II	280										280
3	P.H. Division-III/Ghatikia/Section - III	350	984	38		38	215					1625
4	P.H. Division-III/Chandrasekharpur/ Section - I		7640	3507		1842	1844		159			14992
5	P.H. Division-III/Chandrasekharpur/ Section - II		17307	3881		1438	640	190				23456
6	P.H. Division-III/Chandrasekharpur/ Section - III		8970	1894		2020						12884
7	P.H. Division-III/Chandrasekharpur/ Section - IV		350									350
		655	35451	9320	0	5338	2699	190	159	0	0	53812

TOTAL NOS. OF RESIDENTIAL QUARTERS & NON RESIDENTIAL BUILDING.

P.H. Division-I, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Nos. of Residential Qrs.	Nos. of Non Residential Building	Total	Remarks
1	2	3	4	5	6
1	P.H. Division-I/Old Town/ Mulapadia	46	16	62	
2	P.H. Division-I/Old Town/ Bhuasuni	82	6	88	
3	P.H. Division-I/Old Town/ Museum	600	32	632	
4	P.H. Division-I/Old Town/ Laxmisagar	127	17	144	
5	P.H. Division-I/Unit-IV/ Section - I (Unit-VIII)	1855	18	1873	
6	P.H. Division-I/Unit-IV/ Section - II (Rajbhawan)	156	3	159	
7	P.H. Division-I/Unit-IV/ Section - III (MLA Colony)	232	18	250	
8	P.H. Division-I/Unit-IV/ Section - IV (Baramunda)	1189	8	1197	
9	P.H. Division-I/Unit- III/Section-I	787	23	810	
10	P.H. Division-I/Unit- III/Section-II	703	14	717	
11	P.H. Division-I/Unit- III/Section-III	901	22	923	
12	P.H. Division-I/ Unit- III/Section-IV		10	10	
13	P.H. Division-I/ HLT/Section- I	39	46	85	
14	P.H. Division-I/ HLT/Spring Tank	1141	23	1164	
		7858	256	8114	

TOTAL NOS. OF RESIDENTIAL QUARTERS & NON RESIDENTIAL BUILDING.

P.H. Division-II, Bhubaneswar

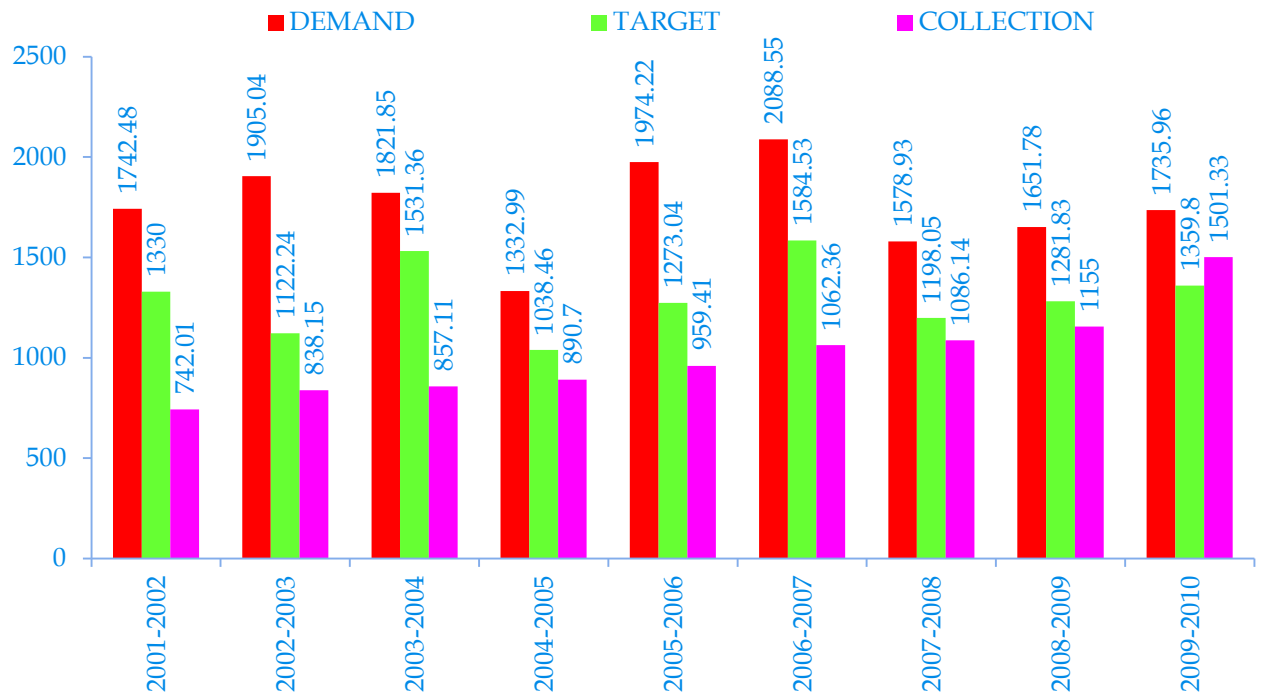
Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Nos. of Residential Qrs.	Nos. of Non Residential Building	Total	Remarks
1	2	3	4	5	6
1	P.H. Division-II/Unit-IX/ Section - I	1447	14	1461	
2	P.H. Division-II/Unit-IX/ Section - II	20	7	27	
3	P.H. Division-II/Unit-IX/ Section - III	941	8	949	
4	P.H. Division-II/Unit-IX/ Section - IV	1397	20	1417	
5	P.H. Division-II/Saheed Nagar/ Section - I	4	20	24	
6	P.H. Division-II/Saheed Nagar/ Section - II	430	7	437	
7	P.H. Division-II/Saheed Nagar/ Section - III	34	10	44	
8	P.H. Division-II/Saheed Nagar/ Section - IV	180	1	181	
		4453	87	4540	

TOTAL NOS. OF RESIDENTIAL QUARTERS & NON RESIDENTIAL BUILDING.

P.H. Division-III, Bhubaneswar

Sl. No.	Name of the Division/ Name of the Sub Division/ Name of Section	Nos. of Residential Qrs.	Nos. of Non Residential Building	Total	Remarks
1	2	3	4	5	6
1	P.H. Division- III/Ghatikia/ Section - I	1	0	1	
2	P.H. Division- III/Ghatikia/ Section - II	4	9	13	
3	P.H. Division- III/Ghatikia/ Section - III	0	5	5	
5	P.H. Division- III/Chandrasekharpur/ Section - I	0	11	11	
6	P.H. Division- III/Chandrasekharpur/ Section - II	988	28	1016	
7	P.H. Division- III/Chandrasekharpur/ Section - III	61	5	66	
8	P.H. Division- III/Chandrasekharpur/ Section - IV	84	3	87	
		1138	61	1199	

POSITION OF REVENUE COLLECTION



LOCATION OF WATER TAX COLLECTION COUNTERS

Sl. No.	Location	Days	Timing
1.	P.H. Rent Sub- Division, Satya Nagar.	MON to SAT	08.00 A.M. to 02.00 P.M.
2.	P.H. Circle, Unit-V.	MON, WED, FRI	08.00 A.M. to 12.00 NOON
3.	P.H. Section, Gautam Nagar.,	MON, WED, FRI	08.00 A.M. to 12.00 NOON
4.	P.H. Division-II, Vani Vihar.	MON, WED, FRI	08.00 A.M. to 12.00 NOON
5.	P.H. Section, IRC Village, Zone-II.	MON, WED, FRI	08.00 A.M. to 12.00 NOON
6.	Palaspalli Pump House (3rd Week)	TUE, THU, SAT	08.00 A.M. to 12.00 NOON
7.	P.H. Section Mulapadia (Except 3rd Week)	TUE, THU, SAT	08.00 A.M. to 12.00 NOON
8.	Dharma Vihar Pump House.	TUE, THU	08.00 A.M. to 12.00 NOON
9.	Baramunda Pump House.	TUE, THU	08.00 A.M. to 12.00 NOON

Sl. No	Location	Days	Timing
10	P.H. Section, Chandrasekharpur	TUE, THU, SAT	08.00 A.M. to 12.00 NOON
11	Acharya Vihar Pump House.	MON, THU, SAT	08.00 A.M. to 12.00 NOON
12	Sailashree Vihar Pump House.	TUE, THU, SAT	08.00 A.M. to 12.00 NOON
13	Kalinga Vihar Pump House (1 & 2nd Week)	WED	08.00 A.M. to 12.00 NOON
14	P.H.Division-III, Saheed Naga.	WED, FRI, SUN	10.00 A.M. to 02.00 P.M.
15	V.S.S. Nagar Pump House	TUES, SAT	08.00 A.M. to 12.00 NOON
16	G.G.P. Pump House	TUES, SAT	08.00 A.M. to 12.00 NOON
17	Acharya Vihar Pump House	MON, SAT	08.00 A.M. to 12.00 NOON

LOCATION OF DROP BOXES.

Sl. No.	Location of Cheque Drop Boxes Available
1	P.H. Rent Sub-Division, Satya Nagar
2	P.H. Sub-Division , Unit-IV
3	P.H. Section, Gautam Nagar
4	P.H. Division-II, Vani Vihar
5	P.H. Section, IRC Village, Zone-I
6	P.H. Section, IRC Village, Zone-II
7	P.H. Section Mulapadia
8	P.H. Sub-Division, Old Town.
9	P.H. Section, Chandrasekharpur
10	Baramunda Pump House
11	P.H. Section, Regional Control Room
12	P.H. Section, Niladri Vihar
13	P.H. Section, Maitri Vihar
14	P.H. Sub- Division, Unit- V
15	P.H. Section, Kalinga Vihar
16	P.H. Section, Spring Tank
17	Acharya Vihar Pump House

LOCATION OF WATER TAX COLLECTION COUNTERS



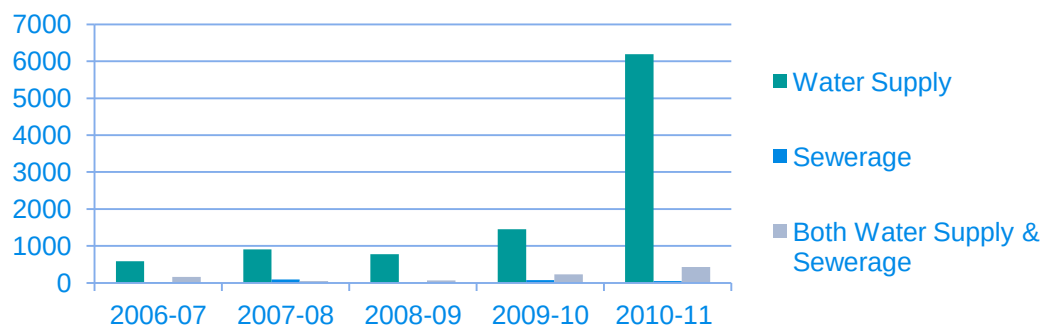
POSITION OF WATER TANKER & VEHICLES

Sl. No	Name of P.H. Division	Truck Mounted	Mini Truck Mounted	Tractor with tanker Pulled	Tractor for placement of tanker	Trolley Tanker
01	P.H. Division-I, Bhubaneswar	3 Nos.	1 Nos.	5 Nos.	3 Nos.	19 Nos.
02	P.H. Division-II, Bhubaneswar.	3 Nos.	--	--	--	3 Nos.
03.	P.H. Division-III, Bhubaneswar.	1 No.	--	2 Nos.	--	--



NEW CONNECTION

Sl. No	Year	Water Supply	Sewerage	Both Water Supply & Sewerage
01	2006-07	584	26	159
02	2007-08	903	94	46
03	2008-09	774	7	67
04	2009-10	1454	71	228
05	2010-11	6191	52	431



ENERGY CHARGES

Sl. No	Name of the Division	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
1.	P.H. Division-I, BBSR	326.00	339.02	319.06	342.50	323.00	400.00	480.00
2.	P.H. Division-II, BBSR	645.00	638.00	661.10	719.01	680.00	804.43	838.00
3.	P.H. Division-III, BBSR	424.51	409.00	401.95	455.50	474.00	709.84	649.58

DEPARTMENTAL STAFF QUARTERS

Sl. No.	Name of P.H. Division.	Type of Quarters.											Total
		3R	E	2RB	F	2RA	II-R	EWS	IR	Tinshed	Tin-shed Choukidar-shed	IR T/S	
01.	P.H. Division-I	--	--	1	25	--	18	84	16	3	2	--	149 Nos.
02.	P.H. Division-II	1	2	2	--	7	--	--	43	--	--	24	79 Nos.
03.	P.H. Division-III	--	--	--	--	--	--	--	--	--	--	--	--
Total =		1	2	3	25	7	18	84	59	3	2	24	228 Nos.

STATUS OF SEWERAGE SYSTEM

01.	Name of the Urban Local Body	Bhubaneswar.
02.	Population as per 2001 Census.	6,57,477 Nos.
03.	Present population (Approx).	8,62,000 Nos.
04.	Total numbers of wards. Fully covered. Partly Covered. Uncovered.	60 Nos. 13 Nos. 24 Nos. 23 Nos.
05.	Length of sewer line.	5,34,254 Mtrs.
06.	Treatment System.	
	a) Septic Tank.	111 Nos.
	b) Aerated Lagoon.	
	i) 1 MGD Capacity.	2 Nos. (1 No. at Laxmisagar & 1 No. at VIP Leased Plot Nayapalli).
	ii) 200m X 200m	1 No. (BDA Colony Phase-I, Chandrasekharpur)
	iii) 80m X 150M	2 Nos.(OSHB Colony Phase-I, Chandrasekharpur)
	(C) Waste water treatment plant (30m X 100m)	1 No. (Sainik School). (HRTS System)
07.	Sewage pumping station.	Laxmisager - 1 No. Toshali Plaza Complex-2 Nos. RHS Colony, Baramunda - 1 No. DAV School, Unit-VIII - 1 No. VIP lease plot, Nayapalli - 1 No.
08.	Manhole chambers.	30,814 Nos
09.	Population covered with sewerage system	1.97 Lakhs
10	Disposal point with location.	Disposal to Ganguanala at Bomikhal & Old Town. Disposal to Bhudhinala at Chandrasekharpur. Disposal to open nala near Gandamunda. Disposal to open nala near Baramunda. Disposal to open drain near Jayadeva Vihar