Annexure 6.1

Proposed Percapita- Domestic Suppy at Design Years					
Sl. No.	Description	2015 lpcd	2020 lpcd	2035 lpcd	2050 lpcd
	CHENNAI CORPORATION				
1.	**CHENNAI CORE CITY**	110	150	150	150
	MUNICIPALITIES				
2.	Kathivakkam	90	110	135	150
3.	Thiruvottiyur	90	110	135	150
4.	Manali	90	110	135	150
5.	Madhavaram	90	110	135	150
6.	Ambattur	90	110	135	150
7.	Maduravoyal	90	110	135	150
8.	Valasarawakkam	90	110	135	150
9.	Alandur	90	110	135	150
10.	Ullagaram-Puzhudhivakkam	90	110	135	150
	TOWN PANCHAYATS				
18.	Chinnasekkadu	90	110	135	150
19.	Puzhal	90	110	135	150
20.	Porur	90	110	135	150
21.	Nandambakkam	90	110	135	150
22.	Meenambakkam	90	110	135	150
23.	Perungudi.	90	110	135	150
24.	Pallikkaranai	90	110	135	150
25.	Sholinganallur.	90	110	135	150
	VILLAGE PANCHAYATS				
VP.1	Edayanchavadi	40	90	110	150
VP.2	Sadayankuppam	40	90	110	150
VP.3	Kadapakkam	40	90	110	150
VP.4	Thiyambakkam	40	90	110	150
VP.5	Mathur	40	90	110	150
VP.6	Vadaperumbakkam	40	90	110	150
VP.7	Soorapattu	40	90	110	150
VP.8	Kathirvedu	40	90	110	150
VP.9	Puthagaram	40	90	110	150
VP.10	Nolambur	40	90	110	150
VP.11	Karambakkam	40	90	110	150
VP.12	Nerkunram	40	90	110	150
VP.13	Ramapuram	40	90	110	150
VP.14	Mugalivakkam	40	90	110	150
VP.15	Manapakkam	40	90	110	150
VP.16	Kottivakkam	40	90	110	150
VP.17	Palavakkam	40	90	110	150
VP.18	Neelankarai	40	90	110	150
VP.19	Injambakkam	40	90	110	150
VP.20	Karapakkam	40	90	110	150
VP.21	OggiamThuraipakkam	40	90	110	150
VP.22	Madippakkam	40	90	110	150
VP.23	Jalladianpet	40	90	110	150
VP.24	Semmanjeri	40	90	110	150
VP.25	Uthandi	40	90	110	150
	REST OF CMA				
	MUNICIPALITIES				
11.	Avadi	70	90	110	135
12.	Poonamallee	70	90	110	135
13.	Thiruverkadu	70	90	110	135
14.	Pallavaram	70	90	110	135
15.	Pammal	70	90	110	135
16.	Anakaputhur	70	90	110	135
17.	**Tambaram**	70	90	110	135

Proposed Percapita- Domestic Suppy at Design Years					
Sl. No.	Description	2015	2020	2035	2050
		lpcd	lpcd	lpcd	lpcd
	TOWN PANCHAYATS				
26.	Chitlapakkam	70	90	110	135
27.	Kundrathur	55	70	90	110
28.	Madambakkam	70	90	110	135
29.	Mangadu	70	90	110	135
30.	Peerkankaranai	55	70	90	110
31.	Perungalathur	55	70	90	110
32.	Sembakkam	70	90	110	135
33.	Thiruneermalai	70	90	110	135
34.	Minjur	55	70	90	110
35.	Naravarikuppam	70	90	110	135
36.	Thirumazhisai	70	90	110	135
37.	Thirunindravur	70	90	110	135
	PANCHAYAT UNIONS				
38.	Minjur (4 villages)				
39.	Sholavaram (40 Villages)				
40.	Puzhal (20 villages)				
41.	Villivakkam (21 Villages)				
42.	Thiruvallur (1 village)				
43.	Poonamallee (42 villages)				
44.	Kundrathur (28villages)				
45.	Sriperumbudur (4 villages)				
46.	St.Thomas Mount (23 Viilages)				
47.	Kattankulathur (6 villages)				
	VILLAGE PANCHAYATS IN CMA (189 VPs)				
	UNION: MINJUR				
1	Athipattu	40	55	70	90
2	Ennore	40	55	70	90
3	Nandiambakkam	40	55	70	90
4	Vallur	40	55	70	90
	UNION: SHOLAVARAM				
1	Alamathi	40	55	70	90
2	Angadu	40	55	70	90
3	Arumandai	40	55	70	90
4	Athur	40	55	70	90
5	Attanthangal	40	70	90	110
6	Chinnamullaivoyal	40	55	70	90
7	Erumaivettipalayam	40	55	70	90
8	Girudalapuram	40	55	70	90
9	Kandigai	40	55	70	90
10	Karanodai	40	55	70	90
11	Kodipallam	40	55	70	90
12	Kummanur	40	55	70	90
13	Madiyur	40	55	70	90
14	Mafuskhanpet	40	55	70	90
15	Marambedu	40	55	70	90
16	Melsingilimedu	40	55	70	90
17	Nallur	40	55	70	90
18	Nayur	40	55	70	90
19	Nerkundram	40	55	70	90
20	Old Erumaivettipalayam	40	55	70	90
21	Orakkadu	40	55	70	90
22	Padianallur	40	70	90	110
23	Pannivakkam	40	55	70	90
24	Periyamullaivoyal	40	55	70	90
25	Perungavoor	40	55	70	90
26	Pudupakkam	40	55	70	90

Proposed Percapita- Domestic Suppy at Design Years					
Sl. No.	Description	2015	2020	2035	2050
		lpcd	lpcd	lpcd	lpcd
27	Budur	40	55	70	90
28	Seemapuram	40	55	70	90
29	Sekkanjeri	40	55	70	90
30	Sembilivaram	40	55	70	90
31	Sholavaram	40	55	70	90
32	Siruniam	40	55	70	90
33	Soorapattu	40	55	70	90
34	Sothupakkam	40	55	70	90
35	Sothuperumbedu	40	55	70	90
36	Thirunilai	40	55	70	90
37	Valuthigaimedu	40	55	70	90
38	Vellivoyal	40	55	70	90
39	Vichoor	40	55	70	90
40	Vijayanallur	40	55	70	90
	UNION: PUZHAL				
1	Alinjivakkam	40	70	90	110
2	Amulavoyal	40	55	70	90
3	Ariyalur	40	55	70	90
4	Athivakkam	40	70	90	110
5	Chettimedu	40	55	70	90
6	Elanthancheri	40	70	90	110
7	Grant Lyon	40	70	90	110
8	Kosappur	40	70	90	110
9	Lyon	40	70	90	110
10	Manjambakkam	40	70	90	110
11	Palavoyal	40	70	90	110
12	Payasambakkam	40	70	90	110
13	Sendrambakkam	40	70	90	110
14	Sirugavur	40	55	70	90
15	Thandalkalani	40	70	90	110
16	Theerthakiriyampattu	40	70	90	110
17	Vadagarai	40	70	90	110
18	Vaikkadu	40	70	90	110
19	Vilakkupattu	40	70	90	110
20	Vilangadupakkam	40	70	90	110
	UNION: VILLIVAKKAM				
1	Adayalampattu	40	90	110	135
2	Alathur	40	55	70	90
3	Arakkambakkam	40	55	70	90
4	Ayappakkam	40	90	110	135
5	Chettiyaragaram	40	90	110	135
6	Kadavur	40	55	70	90
7	Karlapakkam	40	55	70	90
8	Kilakondaiyur	40	55	70	90
9	Melpakkam	40	55	70	90
10	Morai	40	55	70	90
11	Palavedu	40	55	70	90
12	Pammadukulam	40	55	70	90
13	Pandeswaram	40	55	70	90
14	Pothur	40	55	70	90
15	Pulikutti	40	55	70	90
16	Sivabudham	40	90	110	135
17	Tenambakkam	40	55	70	90
18	Thandalam	40	90	110	135
19	Vanagaram	40	90	110	135
20	Vellacheri	40	55	70	90
21	**Vellanur**	40	55	70	90
	UNION: THIRUVALLUR				

Proposed Percapita- Domestic Suppy at Design Years					
Sl. No.	Description	2015	2020	2035	2050
		lpcd	lpcd	lpcd	lpcd
1	Pakkam	40	55	70	90
	UNION: POONAMALLEE				
1	Agaramel	40	70	90	110
2	Agraharam	40	70	90	110
3	Amudurmedu	40	70	90	110
4	Anaikattucheri	40	70	90	110
5	Annambedu	40	70	90	110
6	Ariyapancheri	40	70	90	110
7	Ayalcheri	40	70	90	110
8	Chembarambakkam	40	70	90	110
9	Chokkanallur	40	70	90	110
10	Goparasanallur	40	90	110	135
11	Kannapalaiyam	40	70	90	110
12	Karunakaracheri	40	70	90	110
13	Kattupakkam	40	90	110	135
14	Kavalacheri	40	90	110	135
15	Kilmanambedu	40	70	90	110
16	Kolappancheri	40	70	90	110
17	Korattur	40	70	90	110
18	Kuthambakkam	40	70	90	110
19	Melmanambedu	40	70	90	110
20	Melpakkam	40	70	90	110
21	Meppur	40	70	90	110
22	Mothirambedu	40	70	90	110
23	Nadukkuthagai	40	55	70	90
24	Narasingapuram	40	70	90	110
25	Nazarethpettai	40	90	110	135
26	Neman	40	70	90	110
27	Nemilicheri	40	90	110	135
28	Nochimedu	40	70	90	110
29	Palanjur	40	70	90	110
30	Panaveduthottam	40	70	90	110
31	Parivakkam	40	90	110	135
32	Parvatharajapuram	40	70	90	110
33	Pidarithangal	40	70	90	110
34	Senneerkuppam	40	90	110	135
35	Sithukadu	40	70	90	110
36	Soranjeri	40	70	90	110
37	Thirukovilpattu	40	70	90	110
38	Thirumalarajapuram	40	70	90	110
39	Thirumanam	40	70	90	110
40	Varadharajapuram	40	90	110	135
41	Vellavedu	40	70	90	110
42	Voyalanallur	40	70	90	110
	UNION: KUNDRATHUR				
1	Ayyappanthangal	40	90	110	135
2	Chikkarayapuram	40	70	90	110
3	Chinnapanicheri	40	70	90	110
4	Erumaiyur	40	55	70	90
5	Gerugambakkam	40	90	110	135
6	Kavanur	40	70	90	110
7	Kolapakkam	40	70	90	110
8	Kolathuvancheri	40	70	90	110
9	Kollaicheri	40	70	90	110
10	Kovur	40	70	90	110
11	Kozhumanivakkam	40	70	90	110
12	Madanandapuram	40	90	110	135
13	Malayambakkam	40	55	70	90

Proposed Percapita- Domestic Suppy at Design Years					
Sl. No.	Description	2015	2020	2035	2050
		lpcd	lpcd	lpcd	lpcd
14	Mowlivakkam	40	90	110	135
15	Naduveerapattu	40	55	70	90
16	Nandambakkam	40	55	70	90
17	Palanthandalam	40	55	70	90
18	Paraniputhur	40	70	90	110
19	Periyapanicheri	40	70	90	110
20	Poonthandalam	40	55	70	90
21	Rendamkattalai	40	70	90	110
22	Sirukalathur	40	55	70	90
23	Srinivasapuram	40	70	90	110
24	Thandalam	40	70	90	110
25	Tharapakkam	40	70	90	110
26	Thelliaragaram	40	70	90	110
27	Thirumudivakkam	40	70	90	110
28	Varadharajapuram	40	70	90	110
	UNION: SRIPERUMPUDUR				
1	Chembarambakkam (pt) Tank portion	40	55	70	90
2	Chettipattu	40	55	70	90
3	Daravur	40	55	70	90
4	Kattirambakkam Tank portion	40	55	70	90
	UNION:ST.THOMAS MOUNT				
1	Agaramthen	40	70	90	110
2	Arasankalani	40	90	110	135
3	Cowl Bazaar	40	90	110	135
4	Kasbapuram	40	70	90	110
5	Koilambakkam	40	90	110	135
6	Kovilancheri	40	70	90	110
7	Kulathur	40	90	110	135
8	Maduraipakkam	40	70	90	110
9	Medavakkam	40	90	110	135
10	Meppedu	40	70	90	110
11	Moovarasampettai	40	90	110	135
12	Mudichur	40	70	90	110
13	Mulacheri	40	70	90	110
14	Nanmangalam	40	90	110	135
15	Ottiyambakkam	40	90	110	135
16	Perumbakkam	40	90	110	135
17	Perundavakkam	40	90	110	135
18	Polichalur	40	90	110	135
19	Sithalapakkam	40	90	110	135
20	Thiruvancheri	40	70	90	110
21	Tirusulam	40	90	110	135
22	Vengaivasal	40	90	110	135
23	Vengapakkam	40	70	90	110
	UNION:KATTANKULATHUR				
1	Kilambakkam	40	70	90	110
2	Kolapakkam	40	70	90	110
3	Mannivakkam	40	70	90	110
4	Nedungundram	40	70	90	110
5	Puthur	40	70	90	110
6	Vandalur	40	70	90	110

Annexure 6.2 -Total Water demand Based on the Projected populations

Description	YEAR			
	2015	2020	2035	2050
CHENNAI OLD CORPORATION				
Population (in thousands)	4728	4830	5138	5437
Domestic (MLD)	520	724.53	770.66	815.54
Industrial Dem. @ 10% of Dom. Dem. (MLD)	52	72	77	82
Commercial Dem. @ 5% of Dom. Dem.(MLD)	26	36	39	41
Sub Total	598	832.53	886.66	938.54
Treatment Loss @ 5%	30	42	44	47
NRW @ 10%	60	83	89	94
Total	**688**	**958**	**1020**	**1080**
EXPANDED CITY AREA				
Population (in thousands)	**2326**	**2727**	**4042**	**5536**
Domestic (MLD)	177.1	284.4	515.45	830.37
Industrial Dem. @ 10% of Dom. Dem. (MLD)	18	28	52	83
Commercial Dem. @ 5% of Dom. Dem.(MLD)	9	14	26	42
Sub Total	204.1	326.4	593.45	955.37
Treatment Loss @ 5%	10	16	30	48
NRW @ 10%	20	33	59	96
Total	**234**	**375**	**682**	**1099**
CHENNAI CITY INCLUDING EXPANDED AREA				
Population (in thousands)	**7054**	**7557**	**9180**	**10973**
Domestic (MLD)	**697**	**1009**	**1286**	**1646**
Industrial Dem. @ 10% of Dom. Dem. (MLD)	70	100	129	165
Commercial Dem. @ 5% of Dom. Dem.(MLD)	35	50	65	83
Sub Total	802.2	1158.9	1480.1	1893.9
Treatment Loss @ 5%	40	58	74	95
NRW @ 10%	80	116	148	189
Total	**922**	**1333**	**1702**	**2178**
ADDED AREA-REST OF CMA				
MUNICIAPALTIES				
Population (in thousands)	1110	1299	2096	3414
Domestic (MLD)	77.71	116.9	230.51	460.93
Industrial Dem. @ 10% of Dom. Dem. (MLD)	8	12	23	46
Commercial Dem. @ 5% of Dom. Dem.(MLD)	4	6	12	23
Sub Total	89.71	134.9	265.51	529.93
Treatment Loss @ 5%	4	7	13	26
NRW @ 10%	9	13	27	53
Total	**103**	**155**	**306**	**609**
TOWN PANCHAYATS				
Population (in thousands)	516	664	1150	1727
Domestic (MLD)	33.49	55.229	118.71	218.99

Description	YEAR			
	2015	2020	2035	2050
Industrial Dem. @ 10% of Dom. Dem. (MLD)	3	6	12	22
Commercial Dem. @ 5% of Dom. Dem.(MLD)	2	3	6	11
Sub Total	38.49	64.229	136.71	251.99
Treatment Loss @ 5%	2	3	7	13
NRW @ 10%	4	6	14	25
Total	**44**	**73**	**158**	**290**
VILLAGE PANCHAYAT				
Population (in thousands)	1257	1683	3055	4570
Domestic (MLD)	50.27	119.89	271.31	505.87
Industrial Dem. @ 10% of Dom. Dem. (MLD)	5	12	27	51
Commercial Dem. @ 5% of Dom. Dem.(MLD)	3	6	14	25
Sub Total	58.27	137.89	312.31	581.87
Treatment Loss @ 5%	3	7	16	29
NRW @ 10%	6	14	31	58
Total	**67**	**159**	**359**	**669**
TOTAL FOR CMA OUTSIDE CORPORATION				
Population (in thousands)	**2883**	**3646**	**6300**	**9712**
Domestic (MLD)	**161**	**292**	**621**	**1186**
Industrial Dem. @ 10% of Dom. Dem. (MLD)	16	29	62	119
Commercial Dem. @ 5% of Dom. Dem.(MLD)	8	15	31	59
Sub Total	185.5	336.02	713.53	1363.8
Treatment Loss @ 5%	9	17	36	68
NRW @ 10%	19	34	71	136
Total	**213**	**387**	**821**	**1568**
ALL CMA				
Population (in thousands)	**9937**	**11204**	**15480**	**20684**
Domestic (MLD)	**859**	**1301**	**1907**	**2832**
Industrial Dem. @ 10% of Dom. Dem. (MLD)	86	130	191	283
Commercial Dem. @ 5% of Dom. Dem.(MLD)	43	65	95	142
Sub Total	987.6	**1496**	**2193**	**3257**
Treatment Loss @ 5%	49	75	110	163
NRW @ 10%	99	150	219	326
Total	**1136**	**1721**	**2522**	**3746**

Annexure 6.3 - SECTORWISE WATER UTILISATION-PER CAPITA SUPPLY

Per Capita Supply of 150 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	12	12	0	0	12
4.	Washing Utensils	20	20	0	0	20
5.	Bathing	30	30	0	0	30
6.	Washing Clothes	50	40	5	5	50
7.	Toilet flushing	30	15	8	7	30
	Total	**150 lpcd**	**125 lpcd**	**13 lpcd**	**12 lpcd**	**150 lpcd**
		in %	**83%**	**9%**	**8%**	**100%**

Per Capita Supply of 135 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	12	12	0	0	12
4.	Washing Utensils	20	20	0	0	20
5.	Bathing	30	30	0	0	30
6.	Washing Clothes	40	30	10	0	40
7.	Toilet flushing	25	10	5	10	25
	Total	**135 lpcd**	**110 lpcd**	**15 lpcd**	**10 lpcd**	**135 lpcd**
		in %	**81%**	**11%**	**7%**	**100%**

Per Capita Supply of 110 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	10	10	0	0	10
4.	Washing Utensils	20	20	0	0	20
5.	Bathing	25	25	0	0	25
6.	Washing Clothes	30	22	8	0	30
7.	Toilet flushing	17	0	7	10	17
	Total	**110 lpcd**	**85 lpcd**	**15 lpcd**	**10 lpcd**	**110 lpcd**
		in %	**77%**	**14%**	**9%**	**100%**

Per Capita Supply of 90 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	27	10	17	0	27
4.	Washing Utensils					
5.	Bathing	25	25	0	0	25
6.	Washing Clothes	30	20	10	0	30
7.	Toilet flushing					
	Total	**90**	**63**	**27**	**0**	**90**
		in %	**70%**	**30%**	**0%**	**100%**

Per Capita Supply of 70 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	20	0	20	0	20
4.	Washing Utensils					
5.	Bathing	22	22	0	0	22
6.	Washing Clothes	20	10	10	0	20
7.	Toilet flushing					
	Total	**70**	**40**	**30**	**0**	**70**
		in %	**57%**	**43%**	**0%**	**100%**

Per Capita Supply of 55 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	15	0	15	0	15
4.	Washing Utensils					
5.	Bathing	15	10	5	0	15
6.	Washing Clothes	17	12	5	0	17
7.	Toilet flushing					
	Total	**55**	**30**	**25**	**0**	**55**
		in %	**55%**	**45%**	**0%**	**100%**

Per Capita Supply of 40 lpcd

Sl. No.	Description	Percapita Domestic supply	Allocation in LPCD			
			Fresh water	Local source	Recycle water	Total
1.	Drinking	3	3	0	0	3
2.	Cooking	5	5	0	0	5
3.	House Cleaning	10	10	0	0	10
4.	Washing Utensils					
5.	Bathing	10		10	0	10
6.	Washing Clothes	12		12	0	12
7.	Toilet flushing					
	Total	**40**	**18**	**22**	**0**	**40**
		in %	**45%**	**55%**	**0%**	**100%**

Annexure-6.4- ALLOCATION OF FRESH WATER, LOCAL SOURCE AND RECYCLED WATER-MLD																
Description	2015				2020				2035				2050			
	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total
CHENNAI CORE CITY																
Domestic Demand	**520**				**725**				**771**				**816**			
% of allocation																
Domestic Supply	**416**	**104**	**0**	**520**	**604**	**63**	**58**	**725**	**642**	**67**	**62**	**771**	**680**	**71**	**65**	**816**
Ind. Demand (10% of Dom.Dem.)	**52**				**72**				**77**				**82**			
% of allocation	65.5%		34.5%		50%	15%	35%		45%	15%	40%		40%	15%	45%	
Industrial Supply	34		18	52	36	11	25	72	35	12	31	77	33	12	37	82
Com. Demand (5% of Dom.Dem.)	**26**				**36**				**39**				**41**			
% of allocation	100%		0%		50%	25%	25%		50%	25%	25%		50%	25%	25%	
Commercial Supply	26		0	26	19.0	9.0	9.0	37	19	9.6	9.6	39	20	10.2	10.2	41
Total	**476**	**104**	**18**	**598**	**659**	**83**	**92**	**834**	**696**	**88**	**102**	**886**	**733**	**93**	**112**	**938**
Add for 5% for Treatment Loss	24		1	25	33		5	38	35		5	40	37		6	42
Add for 10% for Transmission Loss	48		2	49	66		9	75	70		10	80	73		11	84
Total Pro. Supply incl. Losses	**548**	**104**	**21**	**672**	**758**	**83**	**106**	**947**	**801**	**88**	**117**	**1006**	**843**	**93**	**129**	**1065**
EXPANDED CITY AREA																
Domestic Demand	**177**				**284**				**515**				**830**			
% of allocation																
Domestic Supply	**118**	**60**	**0**	**177**	**215**	**50**	**19**	**284**	**414**	**61**	**40**	**515**	**692**	**72**	**66**	**830**
Ind. Demand (10% of Dom.Dem.)	**18**				**28**				**52**				**83**			
% of allocation	65.5%		34.5%		50%	15%	35%		45%	15%	40%		40%	15%	45%	
Industrial Supply	12		6	18	14	4	10	28	23	8	21	52	33	12	37	83
Com. Demand (5% of Dom.Dem.)	**9**				**14**				**26**				**42**			
% of allocation	100%		0%		50%	25%	25%		50%	25%	25%		50%	25%	25%	

Annexure-6.4- ALLOCATION OF FRESH WATER, LOCAL SOURCE AND RECYCLED WATER-MLD																
Description	2015				2020				2035				2050			
	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total
Commercial Supply	9		0	9	8.0	4.0	4.0	16	13	6.4	6.4	26	21	10.4	10.4	42
Total	**138**	**60**	**6**	**204**	**237**	**59**	**33**	**329**	**450**	**75**	**67**	**593**	**746**	**95**	**114**	**955**
Add for 5% for Treatment Loss	7		0	7	12		2	14	23		3	26	37		6	43
Add for 10% for Transmission Loss	14		1	14	24		3	27	45		7	52	75		11	86
Total Pro. Supply incl. Losses	**159**	**60**	**7**	**225**	**272**	**59**	**38**	**369**	**518**	**75**	**78**	**670**	**858**	**95**	**131**	**1084**
CHENNAI CITY INCLUDING EXPANDED AREA																
Domestic Demand	**697**				**1009**				**1286**				**1646**			
% of allocation																
Domestic Supply	**534**	**164**	**0**	**697**	**818**	**113**	**77**	**1009**	**1057**	**127**	**102**	**1286**	**1372**	**143**	**132**	**1646**
Ind. Demand (10% of Dom.Dem.)	**70**				**101**				**129**				**165**			
% of allocation	65.5%		34.5%		50%	15%	35%		45%	15%	40%		40%	15%	45%	
Industrial Supply	46		24	70	50	15	35	101	58	19	51	129	66	25	74	165
Com. Demand (5% of Dom.Dem.)	**35**				**50**				**64**				**82**			
% of allocation	100%		0%		50%	25%	25%		50%	25%	25%		50%	25%	25%	
Commercial Supply	35		0	35	26.0	13.0	13.0	52	32	16.1	16.1	64	41	20.6	20.6	82
Total	**614**	**164**	**24**	**802**	**895**	**141**	**126**	**1162**	**1147**	**163**	**170**	**1479**	**1479**	**188**	**226**	**1893**
Add for 5% for Treatment Loss	31		1	32	45		6	51	57		8	66	74		11	85
Add for 10% for Transmission Loss	61		2	64	89		13	102	115		17	132	148		23	170
Total Pro. Supply incl. Losses	**706**	**164**	**28**	**897**	**1029**	**141**	**145**	**1315**	**1319**	**163**	**195**	**1676**	**1700**	**188**	**260**	**2149**
Rest of CMA																

Annexure-6.4- ALLOCATION OF FRESH WATER, LOCAL SOURCE AND RECYCLED WATER-MLD																
Description	2015				2020				2035				2050			
	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total	Fresh water	Local Source	Recycled water	Total
Domestic Demand	**161**				**292**				**621**				**1186**			
% of allocation								0				0				
Domestic Supply	86	76	0	162	192	100	0	292	455	128	38	620	940	165	81	1186
Ind. Demand (10% of Dom.Dem.)	**16**				**29**				**62**				**119**			
% of allocation of total Domestic Demand	100%		0%		50%	25%	25%		50%	25%	25%	1	50%	25%	25%	
Industrial Supply	16		0	16	15.0	7	7	29	31	16	16	62	59	30	30	119
Commercial Demand	**8**				**15**				**31**				**59**			
% of allocation of total Domestic Demand	100%		0%		50%	25%	25%		50%	25%	25%		50%	25%	25%	
Commercial Supply	8		0	8	7	4	4	15	16	8	8	31	30	15	15	59
Total	**110**	**76**	**0**	**186**	**215**	**110**	**11**	**336**	**501**	**151**	**61**	**714**	**1029**	**210**	**125**	**1364**
Add for 5% for Treatment Loss	6		0	6	11		1	11	25		3	28	51		6	58
Add for 10% for Transmission Loss	11		0	11	21		1	23	50		6	56	103		13	115
Total Pro. Supply incl. Losses	**127**	**76**	**0**	**203**	**247**	**110**	**13**	**370**	**576**	**151**	**70**	**798**	**1183**	**210**	**144**	**1537**
All CMA																
Total Domestic Demand in CMA	**859**				**1301**				**1907**				**2832**			
Total Domestic Supply in CMA	**620**	**240**	**0**	**859**	**1011**	**213**	**77**	1301	**1511**	**255**	**140**	1907	**2311**	**308**	**213**	**2832**
Total Industrial Demand	**86**				**130**				**191**				**283**			
Total Industrial Supply	62	0	24	86	65	22	43	130	89	35	67	191	125	54	104	283
Total Commercial Demand	**43**				**65**				**95**				**142**			
Total Commercial Supply	43	0	0	43	33	17	17	67	48	24	24	95	71	35	35	142
Total	**724**	**240**	**24**	**988**	**1110**	**251**	**137**	**1498**	**1648**	**314**	**231**	**2192**	**2507**	**397**	**352**	**3256**
Add for 5% for Treatment Loss	36		1	37	55		7	62	82		12	94	125		18	143

Annexure-6.4- ALLOCATION OF FRESH WATER, LOCAL SOURCE AND RECYCLED WATER-MLD																
Description	**2015**				**2020**				**2035**				**2050**			
	Fresh water	**Local Source**	**Recycled water**	**Total**	**Fresh water**	**Local Source**	**Recycled water**	**Total**	**Fresh water**	**Local Source**	**Recycled water**	**Total**	**Fresh water**	**Local Source**	**Recycled water**	**Total**
Add for 10% for Transmission Loss	72		2	75	111		14	125	165		23	188	251		35	286
Total Pro. Supply incl. Losses	**833***	**240**	**28**	**1100**	**1276***	**251**	**157**	**1685**	**1895***	**314**	**265**	**2474**	**2883***	**397**	**405**	**3685**
Less for Treatment losses for DSPs as there will be no treatment losses	**-8**				**-17**				**-25**				**-39**			
Net Fresh water Demand	**825**				**1259**				**1870**				**2844**			