

The average annual rainfall in Chennai City is about 1200 mm and it mainly depends on rainfall during SW monsoon i.e. July to September (400 mm) and NE monsoon i.e. from October to December (800 mm). The Chennai City aquifers mainly depend on both the monsoon periods for its recharge.

The Chennai Metropolitan Water Supply and Sewerage Board is monitoring ground water level and quality (TDS) every month through a network of 145 observation wells spread in 426 sq.km. In Chennai city, the subsoil condition varies such as sand, clay and Had rock formations. The recharge and percolation rate varies in these soil types.

The Ground water levels undergo seasonal fluctuation throughout the year. Therefore comparison of ground water level and quality has to be done with the same month of the previous year, not between different months, because the water level is always at lower level during July of every year when compared to January.

The comparison of ground water level between October 2015 and October 2016 is furnished below.

**Comparison of water level between October 2015 and October 2016 in 15 Areas.**

<b>Areas</b>	<b>Groundwater level observed during October 2015</b>	<b>Groundwater level observed during October 2016</b>	<b>Difference</b>
I - Thiruvottiyur	3.42	3.66	(-) 0.24

II - Manali	3.04	3.01	(+) 0.03
III - Madhavaram	3.52	3.52	Same level
IV - Tondiarpet	4.29	4.50	(-) 0.21
V - Royapuram	5.02	4.80	(+) 0.22
VI - Thiru vi ka Nagar	3.93	2.64	(+) 1.29
VII - Ambattur	5.24	4.61	(+) 0.63
VIII - Annanagar	4.23	4.10	(+) 0.13
IX - Teynampet	4.69	3.60	(+) 1.09
X - Kodambakkam	4.92	4.16	(+) 0.76
XI - Valasaravakkam	5.50	3.78	(+) 1.72
XII - Alandur	4.97	3.48	(+) 1.49
XIII - Adyar	4.67	3.06	(+) 1.61
XIV - Perungudi	4.85	4.40	(+) 0.45
XV - Shozhlinganallur	2.87	2.70	(+) 0.17

The Comparative statement of average water level in 15 areas of Chennai City during the month of October 2015 and October 2016 shows that there is a rise in the water level in the range of 0.13 mts to 1.72 mts below ground level except in two areas viz., Thiruvottiyur and Tondiarpet shows a decline of 0.20 mts below ground level. It is expected that the ground water level will improve when north-east monsoon intensifies.

PUBLIC RELATIONS MANAGER  
Chennai Metrowater