

**COMPARISON OF GROUND WATER LEVELS IN CHENNAI CITY
DURING NOVEMBER – 2016 & NOVEMBER – 2017**

The average annual rainfall in Chennai City is about 1200 mm and it mainly depends on 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 hard rock formations and therefore percolation rate also 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.

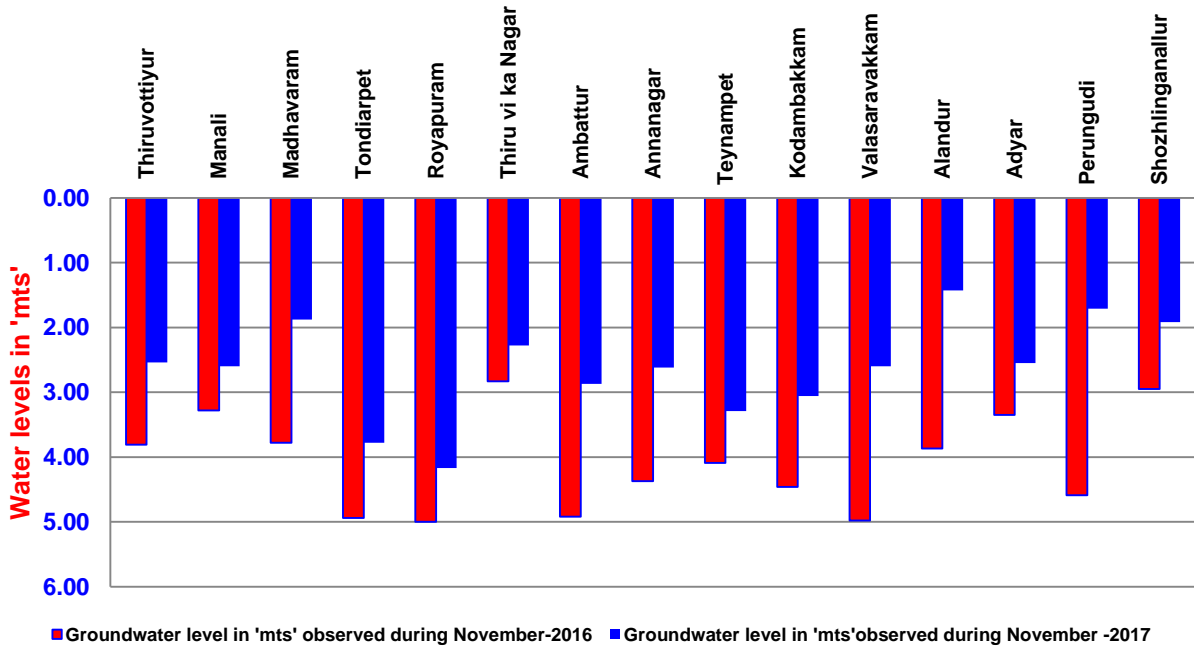
The comparison of ground water level between November 2016 and November 2017 is furnished below.

Comparison of water level between November 2016 and November 2017
in 15 Areas.

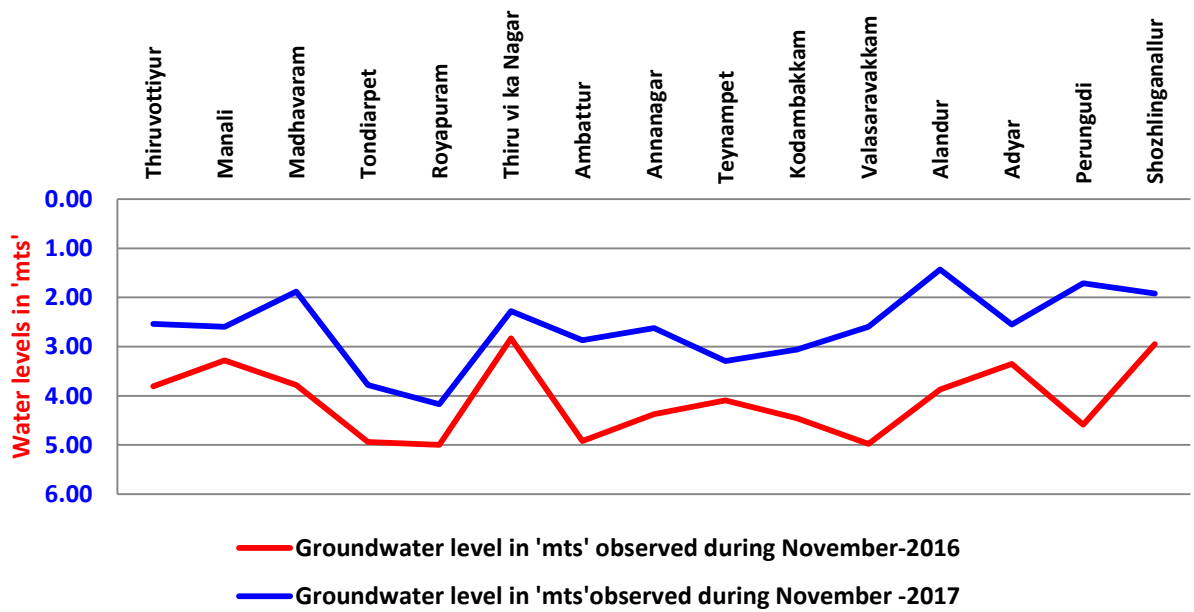
Areas	Groundwater level observed during November 2016	Groundwater level observed during November 2017	Difference
I - Thiruvottiyur	3.81	2.54	(+) 1.27
II - Manali	3.28	2.60	(+) 0.68
III - Madhavaram	3.78	1.88	(+) 1.88
IV - Tondiarpet	4.94	3.78	(+) 1.16
V - Royapuram	5.00	4.17	(+) 0.83
VI - Thiru vi ka Nagar	2.83	2.28	(+) 0.55
VII - Ambattur	4.92	2.87	(+) 2.05
VIII - Annanagar	4.37	2.62	(+) 1.75
IX - Teynampet	4.09	3.29	(+) 0.80
X - Kodambakkam	4.46	3.06	(+) 1.40
XI - Valasaravakkam	4.98	2.60	(+) 2.38
XII - Alandur	3.87	1.43	(+) 2.44
XIII - Adyar	3.35	2.55	(+) 0.80
XIV - Perungudi	4.59	1.71	(+) 2.88
XV - Shozhlinganallur	2.95	1.92	(+) 1.03

The comparative statement of average water level in 15 areas of Chennai City during the month of November 2016 and November 2017 shows that there is a rise in the water level in the range of 0.55 mts to 2.88 mts below ground level.

Comparison of Ground water levels in Chennai City during November - 2016 & November 2017



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