

EXISTING WATER SUPPLY SYSTEM

Presently the town is being supplied 34.20 MLD with 2 GLSR's, 12 ELSR's considering as entire present town as 7 zones. The source of the water is drawing from NSP canal, in normal days and the three S.S.Tanks are in existence to serve the summer.

S.S.Tank - I of capacity 2254 ML is fed by Koppolu Major Canal near Gandhi Nagar through 1000 mm dia RCC gravity main. S.S.Tank – II of capacity 3860 ML is fed by OB Canal at Ethamukkala regulator through 1200 mm dia PSC gravity main. Rangarayudu tank is fed by Koppolu Major Canal of capacity 196 ML. Presently Ongole is having two water treatment plants of capacities 16.00 MLD and 14.33 MLD one is at S.S.Tank – II premises and another is at Rangarayudu tank.

The 16.00 MLD WTP is being served to Hill lock ELBR of capacity 500 KL further two combined gravity mains of diameter PSC 600 mm and 500mm pipes are connected to ELSRs 1200KL at Dibbala Road, 600KL at Kothapatnam, 500KL at NSP Guest House, 1500KL at BhayaNagar further 500 KL ELBR is serving the areas of Sanjay Gandhi colony and Hill lock towers.

The remaining areas reservoirs WT-II is supplying water to located ELSRs namely 500 KL at Gandhi Nagar ,1200 KL at Ram nagar ,1100 KL at Santhapet , 1000 KL at Sujatha nagar , 1100 KL at Addanki Bus stand and 1100 KL at Gaddalagunta. Further one ELSR is under construction and near in completion 800 KL at Islam Pet being considered in preparation of rezoning the water supply pattern. The components of existing water system are detailed below.

Distribution System

There is a network of pipeline for distribution of water in the town. Total length of the distribution system is about 350 Km. The distribution system covers about 50% of the town.

Table 2.3

Table 2.3 : Details of Existing ELSR's

Sl.No.	Location of ELSR	Source	Capacity in KL	Staging	Year of construction
1	ELBR at Hill lock	S.S.Tank - II	500	15 m	2012
2	Dibbala Road	SS tank - II	1200	15 m	2011
3	Kothapatnam	SS tank - II	600	15 m	2011
4	NSP Guest House	SS Tank - II	500	15 m	2011
5	Bhagya nagar	SS Tank - II	1500	15 m	2011
6	Gandhi Nagar	SS Tank – I	500	15 m	2011
7	Ram Nagar	SS Tank – I	1200	15m	2011
8	Santha pet	SS Tank – II	1100	15 m	1990
9	Sujatha nagar	SS Tank – I	1000	15 m	2004
10	Addanki Bus stand	SS Tank – I	1100	15 m	1990
11	Gaddalagunta	SS Tank – I	1100	15 m	1990
12	Islam pet (under construction)	SS Tank - I	600	15 m	2012

Water is supplied to the consumers either through house service connection or through the street stand posts. There are 23084 house service connections. There are some

metered connections at Ongole town. The entire supply of water is through ferrule connection. A flat rate of Rs 20/- per month per connection is charged as water tariff from domestic and Rs 100/- per month per connection is charged as water tariff from commercial connections.

Hydraulic particulars of Gundlakamma reservoir

Maximum capacity of Reservoir	3.859 TMC
TBL	+ 28.380
MFL	+ 24.380
MDDL	+ 21.340
Dead storage level	+ 19.250
Crest level	+ 16.380
Live storage capacity of Reservoir	2.573 TMC
Capacity of reservoir at MDDL	1.26 TMC
Dead storage capacity of reservoir	0.70 TMC