

ONGOLE MUNICIPAL CORPORATION
Brief Notes on Water Supply

1. Source : N.S.P Canal
2. Off Take : S.S Tank I - From off-take on Koppolu major near Gandhi Nagar (through 1000mm ϕ RCC Gravity main)
S.S Tank II-Near Ethamukkala regulator & at 0/0 Km of Koppolu major through 1200 mm ϕ PSC Gravity main
3. The present water levels of S.S Tanks as on 15.04.2014 furnished hereunder :-

	LWL (Mts.)	MWL (Mts.)	Present water level(Mts.)	Capacity of tank (ml)	Present volume (ml)	Shortage (ml)	Period of sustai nability
S.S Tank I	+ 11.00	+ 17.00	16.80	1950	1882.85	67.15	Upto 31 st August, 2014
S.S Tank II	+ 7.00	+ 17.00	16.47	3850	3637.52	212.48	
TOTAL				5800	5520.37	279.63	

4. Daily drawal : 35 to 40 ml

5. **Distribution System** :

Filter Beds (i) New Filter Beds (3.14 mgd) (or) 14.30 mld
(ii) Old Filter Beds (0.9 mgd+0.3 mgd)(or) 5.40 mld
(iii) At S.S Tank II (3.52 mgd) (or) 16.00 mld
Total - 35.70 mld

No. of zones - 7
No. of reservoirs - ELSRs - 12 Nos.
GLSRs - 2 Nos.

Zone	ELSR / GLSR	Capacity (kl)
Zone I & II	3 lakh gallons GLSR	1350
	1 lakh gallons GLSR	450
	on Hillock near N.S.P Guest ELSR	500
Zone III	Gaddalagunta ELSR	1100
Zone IV	Addanki Bus Stand ELSR	1100
	Dibbala Road ELSR	1200
	Islampet ESLR	600
Zone V	Santhapet ELSR	1100
	Bhagya Nagar ELSR	1500
	Ram Nagar ELSR	1200
Zone VI	Kothapatnam bus stand ELSR	1000
	Kothapatnam bus stand ELSR	600
Zone VII	Sujatha Nagar Police quarters ELSR	1000
	Gandhi Nagar ELSR	500
	TOTAL	13200

6. No. of House Service Connections : 28,324 (including BPL Tap connections)
 - a. Metered connections – 421
 - b. Non-metered (domestic) connections – 22,842
 - c. Non-metered (domestic) (rural) connections - 5061
7. No. of Public Taps : 798
8. No. of Hand bores : 1,065
 - a. Functioning : 1,015
 - b. Non-functioning
9. **Motors & Pump sets :-**

I. **New Filter Bed** : Zone III to VII

- A) **Motors** : Zone III : 40 H.P – 2 nos. (1 running, 1 standby)
 Zone IV : 40 H.P – 2 nos. (1 running, 1 standby)
 Zone V : 40 H.P – 2 nos. (1 running, 1 standby)
 Zone VI : 40 H.P – 2 nos. (1 running, 1 standby)
 Zone VII : 20 H.P – 2 nos. (1 running, 1 standby)
- B) **Pumpsets** : Zone III Discharge : 216 cum/hour (60 LPS)
 Zone VII Discharge : 216 cum/hour (60 LPS)
 Zone VII Reservoir : 30 H.P Motors-2 (1 running, 1 standby)
 Pump sets : 2 nos - 204 Cum/hour (55 LPS)

II. **S.S Tank I** :

- A) **Motors** : 35 H.P Motors – 2 nos. (1 running, 1 standby)
- B) **Pump sets** : 2 nos. – Discharge - 1000 cmt. (10,00,000 Ltrs)

III. **S.S Tank II** :

- A) Raw Water Pumping for S.S Tank II to S.S Tank I
 100 H.P Motors : 2 (1 running, 1 standby)
 Pump sets : 2 - Discharge – 1184 Cmt./hour - 1184 KL
- B) Raw Water Pumping to Filter Beds
 40 H.P Motors : 3 nos. (2 running, 1 standby)
 Pumpsets : 3 nos. - Discharge - 468 Cmt. - 468 KL
 - 4,68,000 Lts./hour - 0.47 ML
- C) To clear water pump house :
 70 H.P Motors : 3 nos. (2 running, 1 standby)
 Pumpsets : 3 nos – Discharge – 340 Cmt - 340 KL -
 3,40,000 Lts./hour

IV. **Generators : 2 nos.**

- A) S.S Tank I : 125 KVA
- B) New Filter Beds : 250 KVA
 (in Public Health office premises)

Efficiency :

90% of town water is supplied once in Two days and remaining 10% of town water supplied once in Three days.

SURROUNDING VILLAGES MERGED IN CORPORATION

The status of water supply in the following 8 newly merged Gram Panchayats in Ongole Municipal Corporation is detailed below :-

1. PERNAMITTA :

Source : N.S. Canals – Koppolu Major

- a) Open well named as Yenugula Bavi situated near by Irrigation Tank, which is giving high yield.
- b) Borewells in Irrigation Tank Bed fixed with submersible motors. The water supply to the Pernamitta is through open well and Borewells as stated above. There is considerable gap in distribution network. In addition that tankers is provided for filling of gaps in water supply.

Period of Sustainability - Upto 31st August, 2014.

2. KOPPOLU :

Source : N.S. Canals – Koppolu Major

There are two tanks one is being utilised for drinking purpose and another is for general purpose and live stock. Both are being fed with N.S Canals. Raw water is being treated by slow sand filters and supplied. There is considerable gap in distribution network. In addition that tankers is provided for filling of gaps in water supply

Period of Sustainability - Upto 30th September, 2014.

3. KOTHAMAMIDI PALEM :

Source : N.S Canal – Ethamukkala Major

The existing small tank is being fed with N.S Canal water.

Period of Sustainability - Upto 31st August, 2014.

4. VENGAMUKKA PALEM :

Source : N.S Canal – Ethamukkala Major

The existing small tank is being fed with N.S Canal water.

Period of Sustainability - Upto 31st August, 2014.

5. NARASAPURAM AGRAHARAM :

Source : N.S Canal – Ethamukkala Major & Gundlakamma Reservoir maintained by R.W.S Department

There is small tank. This is rain fed tank and as well as filled with N.S Canal water. The tank serves the needs of general purpose as well as live stock. This is included under protected water supply scheme from Gundlakamma near Annangi village which is 35 km. away from habitation maintained by R.W.S Department.

Period of Sustainability - Upto 31st August, 2014.

6. MUKTHINUTHALAPADU :

Source : N.S Canals – Throvagunta Major

The existing Raw Water Storage Tank serves the needs of the habitation. The tank is being fed with N.S Canal water in 2 fillings - (1) as soon as canals re-opened & (2) prior to closing of canals. There is considerable gap in distribution network. In addition that tankers is provided for filling of gaps in water supply

Period of Sustainability - Upto 31st July, 2014.

7. GUDIMELLAPADU

Source : N.S Canals – Throvagunta Major

There is one small tank which is rain fed as well as filling with N.S.P water. The tank serves the needs of general purpose and live stock. Protected water is being supplied from protected water supply scheme located at Gundlakamma Dam 30 km away being maintained by R.W.S Department.

Period of Sustainability - Upto 31st July, 2014.

8. GUTHIKONDAVARI PALEM

Source : N.S Canals – Throvagunta Major

The existing small tank is being fed with N.S Canal water.

Period of Sustainability - Upto 30th September, 2014.

9. CHERUVUKOMMU PALEM :

Source : Hand Bores

Total no. of hand bores is 53. Out of them only 35 are functioning. Out of 35, water from 5 nos. only is suitable for potable. The public are fetching the water from 5 borewells for drinking purpose. The remaining 30 hand bores are useful for general purpose. There is considerable gap in distribution network. In addition that tankers is provided for filling of gaps in water supply

10. PELLURU

Source : Open wells on rare side of Irrigation Tank

The source of water is from seepage wells situated on rear side of minor irrigation tank. At present there is sufficient yield as the tank is filled with rain water. As and when the water is exhausted in the irrigation tank, there will not be sufficient seepage into wells. So generally water scarcity during summer from March till to fill the tank by rain or N.S Canal. Transportation of water is inevitable from April. Provision is made for transportation. There is considerable gap in distribution network. In addition that tankers is provided for filling of gaps in water supply

11. THROVAGUNTA :

Source : Gundlakamma reservoir

The drinking water supply to the habitation is from protected water supply scheme located at Gundlakamma Dam near Annangi village which is serving 21 villages maintained by R.W.S scheme.

Commissioner,
Ongole Municipal Corporation.