

ONGOLE MUNICIPAL CORPORATION

STATUS REPORT ON WATER SUPPLY AS ON 18.05.2015

- Source: N.S.P Canal
- Off Take : 1. S.S Tank I (1950 ML) - From off-take on Koppolu major near GandhiNagar (through 1000mm ϕ RCC Gravity main)
2. S.S Tank II (3850 ML) -Near Ethamukkala regulator & at 0/0 Km. of Koppolu major through 1200 mm ϕ PSC Gravity main
- The present water levels of S.S Tanks as on 28.04.2015 furnished hereunder :-

	LWL (Mts.)	MWL (Mts.)	Present water level(Mts.)	Capacity of tank (ml)	Present volume (ml)	Period of sustainability
S.S Tank I	+ 11.00	+ 17.00	+ 15.45	1950	1423.49	83 days
S.S Tank II	+ 7.00	+ 17.00	+ 14.72	3850	2922.00	
TOTAL				5800.00	4345.49	

Note: Release of NS Canal water for filling of S.S Tanks of Ongole Municipal Corporation was closed on 21.04.2015 and for merged villages tanks are closed on 28.04.2015.

- Daily drawal : 35 to 40 ml

No. of zones - 7
No. of reservoirs - ELSRs - 12 Nos.and 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

- No. of House Service Connections:28,324 (including BPL Tap connections)
 - Metered connections – 421
 - Non-metered (domestic) connections – 22,842
 - Non-metered (domestic) (rural) connections - 5061
- No. of Public Taps : 798
- No. of Hand bores : 1,065
 - Functioning : 1,015
 - Non-functioning : 50

8. Motors & Pump sets :-

1. P.H. Office Filter Beds : 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)

2. 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)

3. 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

4. Generators : 2 nos.

- D) S.S Tank I - 125 KVA
E) New Filter Beds - 250 KVA
(in Public Health office premises)

Frequency of Supply : Once in a Day:12 divisions, once in two days:33 divisions and once in three days:5 divisions. 24% of town water is supplied daily once, 66% of town water is supplied once in Two days and remaining 10% of town water supplied once in Three days.

Due to lack of distribution network, there is demand for water in tail end areas and in certain pockets in town and along bye-pass road. There are 27 areas including 4 areas, which are newly merged into Corporation to be served through water tankers. During summer there will be temporary problem in the busy areas also and they are also to be served. It is estimated there is a demand of 150 tanker trips of water per day to serve the demand.

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) Bore wells in Irrigation Tank Bed fixed with submersible motors. The water supply to the Pernamitta is through 120 KL ELSR with the source of open well and Bore wells as stated above. There is considerable gap in distribution network. In addition to that tankers are provided for filling of gaps in water supply.

2. MUKTHINUTHALAPADU including GUDIMELLAPADU hamlet :

a) Mukthinuthalapa Padu :

Source : N.S Canals – Throvagunta Major.

- b) 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. Protected water is being supplied through 90 KL ELSR. There is considerable gap in distribution network. In addition to that tankers are provided for filling of gaps in water supply.

c) 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 through 60 KL ELSR feeding from protected water supply scheme located at Gundlakamma Dam 30 km away being maintained by R.W.S Department.

3. THROVAGUNTA :

Source : Gullakamma Reservoir.

The drinking water supply to the habitation is through 120 KL ELSR and 60 KL ELSR feeding from protected water supply scheme located at Gundlakamma Dam near Annangi village which is serving 21 villages and is being maintained by R.W.S Department.

4. 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 through 120 KL ELSR. There is considerable gap in distribution network. For which the tankers are provided for filling up of gaps in water supply. Hence certain amount is required for maintenance of pump sets which are giving frequent troubles due to its old age.

5. NARASAPURAM AGRAHARAM :

Source : N.S Canals - Ethamukkala Major and 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. The 60 KL ELSR is included under protected water supply scheme from Gundlakamma near Annangi village which is 35 km. away from habitation is being maintained by the R.W.S Department.

There is no effective water supply as the habitation is tail end of the project work. Hence transportation of water is inevitable. So provision is made in the action plan.

6. PELLURU :

Source : Open wells on rare side of Irrigation Tank

The source of water for 90 KL ELSR is from infiltration 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 yield from wells. So generally the water scarcity during summer from March till to fill the tank by rain or N.S Canal. Transportation of water is inevitable from April. There is considerable gap in distribution net work. In addition to that tankers are provided for filling up of gaps in water supply.

7. CHERUVUKOMMU PALEM :

Source: Hand Bores

Total no. of hand bores is 53. Out of them only 51 are functioning. Out of 51, water from 5 nos. only is suitable for potable. The public are fetching the water from 5 bore wells for drinking purpose. The remaining 46 hand bores are useful for general purpose. There is considerable gap in distribution net work. In addition to that tankers are provided for filling up of gaps in water supply. The 60 KL ELSR is yet to be commissioned by the R.W.S Department. (Railway crossing is pending for feeder main).

8. VENGAMUKKA PALEM including KOTHAMAMIDI PALEM :

a) Vengamukka Palem :

Source : N.S Canals - Ethamukkala

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

b) Kothamamidi Palem :

Source : N.S Canals - Ethamukkala

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

Summer Action Plan

Summer Action Plan, 2015 is submitted as follows:-

1. Transportation of water through hired tankers	- Rs 65.00 lakhs
2. Flushing of Bore wells, supply of bore well material	- Rs 30.00 lakhs
3. Repair of pumpsets, motor and panel boards	- Rs 20.00 lakhs
4. Replacement of damaged pipelines	- Rs <u>100.00 lakhs</u>
Total Amount	- Rs. <u>215.00 lakhs</u>

New Proposals:

- ❖ The DPR is prepared for Rs. 393.00 Crores for Comprehensive Water Supply Improvement Scheme to the entire corporation limits including the merged panchayaths and submitted to the Government for sanction.