

**AN OVERVIEW OF PROJECTS UNDER THE CHIEF ENGINEER,
HEMAVATHY CANAL ZONE, TUMKUR.**

HEMAVATHY CANAL ZONE, TUMKUR

Hemavathy Canal Zone, Tumkur, was formed as per Government order No. PWD 11 PCO 87 Bangalore, dated 14-1-1987, for execution of Hemavathy canal works and is functioning since 23-04-1987. This is a part of Hemavathy project. This zone look after the execution of canal works viz., Y-Alignment, Tumkur Branch canal, Nagamangala Branch Canal and Lift irrigation scheme at the exit of Bagur – Navile tunnel and providing water supply to Tumkur and Tiptur town from Hemavathy left Bank Canal. Administrative approval has been accorded to the Original estimate of Hemavathy Project amounting to Rs.16.30 Crores. vide G.O. No.PWD/1/GKH/63 dtd: 18.09.1967 for Hemavathy Project. The work was started during 1967. Administrative approval has been accorded to the revised estimate amounting to Rs.3877.00 Crores. vide G.O. No.WRD/46/NHP/2007 dtd: 30.07.2007. This amount comprises of Rs.1751.00 crores towards Hemavathy Project Zone- Gorur and Rs. 2126.00 crores towards Hemavathy Canal Zone, Tumkur.

The canal details are as under.

Sl. No.	Canal Details	Total length in Km.	Ultimate Potential to be created in acres (Ha)	Taluks Benefited
a)	Y' -Alignment.	5.50 Km	-	
b)	Tumkur Branch Canal.	240.00 Km	236990 (95,909)	Turuvekere, Tiptur, Gubbi, Tumkur, Kunigal of Tumkur District
c)	Nagamangala Branch Canal.	78.325 Km	146994 (59,488)	Turuvekere, Tiptur, Gubbi, Kunigal of Tumkur District & Nagamangala in Mandya District
d)	Lift Irrigation Scheme at the exit of Bagur – Navile Tunnel	13.97 (RBC) 16.25 (LBC)	5828 (2,358)	C.R. Patna, in Hassan District and Tiptur taluk in Tumkur District
Total			389812 (1,57,755)	

FLOW: Y- alignment The total length of Y alignment is 5.50 Km. Earth work and CD works completed. 2.80 Km lining works are completed. Balance lining is to be done.

Tumkur Branch Canal (0-240 Km): The total Length of Tumkur Branch Canal is 240 Km and the potential to be created is 236990 acres (95909 ha). Out of this 240 Km., the canal alignment has been approved upto 228 Km. The earth work excavation, CD works & lining work are almost completed upto 187 Km. Except the canal works of 190.00 Km, the canal works are completed from 188.00 to 197.00 Km. The works of the canal from 198.00 to 220.00 Km are in various stages of progress. The tenders are in process for implementation of canal works from 221.00 to 228.00 Km. The water has been allowed in the canal up to 183 Km.

44 Distributaries are coming under TBC, out of which, the earth work excavation and CD works for distributaries from 1 to 28 are almost completed. The lining works are in different stages of progress. Action has been taken up to implement the works of distributary No. 29 & 30.

NAGAMANGALA BRANCH CANAL (0 TO 78.325 Km): The total Length of Nagamangala Branch Canal is 78.325 Km and the potential to be created is 146994 acres (59488 ha). The earth work excavation and CD works of the main canal are almost completed. The lining works of main canal upto 60 Km is completed. The lining works of the main canal from 61.00 to 75.00 Km are in various stages of progress. The water has been allowed in the canal upto 72 Km.

22 Distributaries are coming under NBC, out of which, the works of distributary from 1 to 16 are completed and the works of distributary from 17 to 20 are in various stages of progress.

LIFT IRRIGATION SCHEME AT EXIT OF BAGUR – NAVILE TUNNEL:

It is proposed to lift 0.345 TMC of water to create a potential of 5828 acres (2358 ha.) from Y- alignment canal at exit of Bagur- Navile tunnel near Navile village in C.R. Patna Taluk of Hassan District. The Taluks benefited are Tiptur of Tumkur district and C.R. Patna of Hassan District. The work of raising main, distribution chamber and jack well cum pump house are completed and this scheme has been commissioned during February –2004.

The total length of LBC is 13.97 Km and the works for the entire length is completed. The total length of RBC is 16.25 Km. Out of this, the works of the canal up to 9.00 Km are completed and the works of the canal from Km.10.00 to 16.25 are in progress.

The total irrigation potential created including flow and lift under this project since inception to the end of March 2013 is 2,94,385 acres (1,19,136 ha.) as against the contemplated potential of 3,89,812 acres (1,57,755 ha.).

DRINKING WATER SCHEMES

DRINKING WATER SCHEME TO GULUR-HEBBUR HOBLIES IN TUMKUR DISTRICT

Drinking water scheme to Gulur-Hebbur Hoblies in Tumkur District envisages lifting of 51 cusecs of water in 2 stages from Tumkur Branch Canal of Hemavathy project at Ch: 142.225 Km to feed water to 23 tanks of Gulur Hobli and 29 tanks of Hebbur Hobli totaling to 52 tanks (impounding reservoirs) and to fulfill the demand of providing drinking water to 52 villages of Gulur-Hebbur hoblies in Tumkur District. The Government vide order No. WRD 315 NHP 2003, Bangalore, Dtd: 11.02.2009 has accorded administrative approval to the scheme amounting to Rs.55.00 Crores. The works of 1st stage are completed and commissioned. The water allowed to 18 tanks on trial run. The works of 2nd stage are almost completed and commissioned. The water allowed to 20 tanks on trial run. The balance works are in progress.

DRINKING WATER SCHEME TO HONNAVALI AND OTHER HOBLIES

Drinking water scheme to Honnavalli and other Hoblies envisages lifting of 27.03 cusecs of water for Tiptur branch and 31.25 cusecs of water for Arasikere Branch independently from Tumkur Branch Canal of Hemavathy project at Ch: 9.9 km. From Tiptur Branch it is proposed to feed water to 18 no of tanks which are coming in series and 48 villages of Tiptur taluk are benefited. Whereas from Arasikere branch it is proposed to feed water to 5 tanks which are coming in series i.e., 3 tanks of Arasikere taluk, one tank of Kadur taluk and one tank of Hosadurga taluk and 38 villages i.e., 20 villages of Arasikere taluk, 8 villages of Kadur Taluk and 10 villages of Hosadurga Taluk are benefited. The Government vide order No. WRD 26 NHP 2008, Bangalore, Dtd: 11.02.2009 has accorded administrative approval to the scheme amounting to Rs.87.20 Crores. The water is allowed to 20 tanks through Tiptur and Arasikere Branches on trial run. The balance works are in progress.

FILLING UP OF VAJRAKATTE, C.KATTIGENAHALLI AND KOPPA TANKS - DRINKING WATER SCHEME.

The scheme envisages inter linking of Vajranakatte, C.Kattigenahalli &Koppa tanks and feeding 21 Mcft of water to these tanks from Ch: 14600 m. of D-23 of Tumkur Branch Canal. The Government vide order No. WRD 71 NHP 2009, Bangalore, Dtd: 13.06.2011 has accorded administrative approval to the scheme amounting to Rs.2.20 Crores. The works of the scheme are in progress.

FILLING UP OF BELLAVI AND 5 OTHER TANKS - DRINKING WATER SCHEME.

The scheme envisages lifting of 7.50 Mcft (4 Cusecs) of water from Ch: 106.80 Km of Tumkur Branch Canal to feed Bellavi and other 5 tanks to provide drinking water supply to Bellavi and other 5 surrounding villages of Gubbi Taluk of Tumkur

District. The Government vide order No. WRD 79 NHP 2010, Bangalore, Dtd: 19.03.2012 has accorded administrative approval to the scheme amounting to Rs.5.70 Crores. The works of the scheme are in initial stages of progress.

FILLING UP OF 26 TANKS OF CHIKKANAYAKANAHALLI TALUK - DRINKING WATER SCHEME.

The scheme envisages lifting of 0.80 TMC of water from Tumkur Branch Canal of Hemavathy project to fill 26 tanks comprising filling of 22 tanks through gravity and 4 tanks through lift to provide drinking water supply to drought affected villages of Chikkanayakanhalli taluk. The Government vide order No. WRD 74 NHP 2009, Bangalore, Dtd: 20.07.2011 has accorded

FILLING UP OF DODDAGUNI TANK - DRINKING WATER SCHEME

The scheme envisages lifting of 18.20 Mcft of water from Ch: 64.625 Km of Tumkur Branch Canal of Hemavathy project to fill Doddaguni tank in order to provide drinking water supply to Doddaguni and other 14 villages in Gubbi Taluk of Tumkur District. The Government vide order No. WRD 53 NHP 2008, Bangalore, Dtd: 13.06.2011 has accorded administrative approval to the scheme amounting to Rs.3.25 Crores. The works of the scheme are in progress.

Proposal for Drinking Water Supply Scheme to feed tanks in Magadi Taluk of Ramanagara District & Hutridurga hobli in Kunigal taluk of Tumkur District

The scheme envisages lifting of 843.78 Mcft of water from Ch: 192.30 Km of Tumkur Branch Canal of Hemavathy project to fill 83 tanks to meet the Drinking water needs of 289 villages surrounding Ramanagara District & Hutridurga hoblies in Kunigal taluk of Tumkur District. The Government vide order No. WRD 45 NHP 2013, Bangalore, Dated: 28.02.2014 has accorded administrative approval to the scheme amounting to Rs. 277.50 Crores.

Lifting water to Dabbeghatta and Gottigere tanks of Turuvekere taluk by lifting water from Ch: 42.856 Km of Nagamangala Branch Canal to provide Drinking water supply to 6 villages of Dabbeghatta hobli of Turuvekere Taluk under Hemavathy Project

The scheme envisages lifting of 16.40 Mcft of water from Ch: 42.856 Km of Nagamangala Branch Canal to fill Drinking water needs of 6 villages Dabbeghatta hobli in Turuvekere Taluk of Tumkur District. The Government vide order 41/a/2012-13 Bangalore, Dated: 11/02/2013 has accorded administrative approval to the scheme amounting to Rs.3.00 Crores.

Lifting water to Kanathur and Habakanahalli tanks of Turuvekere taluk by lifting water from Ch: 27.325 & 22.750 Km of Nagamangala Branch Canal to provide Drinking water supply to 10 villages of Dabbeghatta hobli of Turuvekere Taluk under Hemavathy Project

The scheme envisages lifting of 17.35 Mcft of water from Ch: 22.750 & 27.325 Km of Nagamangala Branch Canal of Hemavathy project to fill Drinking water needs of 6 villages Dabbeghatta hobli in Turuvekere Taluk of Tumkur District. The Government vide order 41/a/2012-13 Bangalore, Dated: 11/02/2013 has accorded administrative approval to the scheme amounting to Rs.1.30Crores.

Proposal of Estimate to lift water to Shivasandra, Mus kondli, Harenahalli, Kondli, Yemmedoddikatte and Handanahalli tanks of Gubbi Taluk from Ch:77.565 Km of tumkur Branch Canal to provide Drinking Water to 12 villages of Gubbi taluk.

The scheme envisages lifting of 29.55 Mcft of water from Ch: 77.565 Km of Tumkur Branch Canal to fill tanks of Shivasandra, Mus kondli, Harenahalli, Kondli, Yemmedoddikatte and Handanahalli in order to provide drinking water supply to 12 villages in Gubbi Taluk of Tumkur District. The Government vide order No. WRD 38 NHP 2013, Bangalore, Dtd: 28.02.2014 has accorded administrative approval to the scheme amounting to Rs.12.50Crores.

Proposal of Providing water to 19 tanks to meet the Drinking water needs of 30 villages surrounding Bikkegudda of Kadaba & Kasabahoblies in Gubbi taluk from Ch: 69.550Km of Tumkur Branch Canal .

The scheme envisages lifting of 106.04 Mcft of water from Ch: 69.55 Km of Tumkur Branch Canal of Hemavathy project to fill 19 tanks to meet the Drinking water needs of 30 villages surrounding Bikkegudda of Kadaba&Kasabahoblies in Gubbi Taluk of Tumkur District. The Government vide order No.WRD 37 NHP 2013, Bangalore, Dated: 28.02.2014 has accorded administrative approval to the scheme amounting to Rs.28.16Crores. Tender has been called vide notification number 31/2013-14 dated:01-03-2014.

Lifting water to Hagalwadi tank from Ch:83.34 Km of Tumkur Branch Canal for Drinking Water scheme to Hagalwadi& other 35 Villages, Lifting Water to Hosakere, Alilugatta&AlilugattaAmanikere tanks from Ch:88.35 Km of Tumkur Branch Canal for Drinking Water scheme to Hosakere, Alilugatta&AlilugattaAmanikerevillages, Lifting Water to Mathikere , Hosahalli&Shivanelli tanks from Ch: 93.85 Km of Tumkur Branch Canal for Drinking Water Scheme to 6 Villages, Lifting Water to Kodiyala tank from Ch : 98.95 Km of Tumkur Branch Canal to provide Drinking water scheme to Kodiyal&Mugunuse villages & Lifting Water to Chelur tank from Ch:101.38 Km of Tumkur Branch Canal for Drinking Water Scheme to 21 Villages of Gubbitaluk under Hemavathy project.

The scheme envisages lifting a total of 121.41 Mcft of water from Respective Chainages from Tumkur Branch Canal of Hemavathy project to meet the Drinking water needs of Hagalwadi and other 35 Villages in Gubbi Taluk, Hosakere, Alilugatta and Alilugatta, Amanikere tank, Mathikere , Hosahalli and Shivanelli tanks, Kodiyalatank, Chelur tank, of Gubbi taluk under Hemavathy project.