

Summary of Conference Call with Shri K. P. Reddy (“Dial-Your-Village” program)

Conference Call with Shri K. P. Reddy, Lift Irrigation Projects Expert, Vice-President of Telangana Retired Engineers Forum (TREF) and Adviser to GoT on Lift Projects.

K P Reddy started his career as AE in power sector in 1982, then he visited Japan to get training on Hydro Machines. At that time he met Hitachi engineer Haji, who proposed of Lift Pumps.

Topic: What is the status of Lift Irrigation Project in Telangana?

Summary of Discussion:

1. In telangana, lift irrigation projects are the only solution to bring water to farming lands
2. Currently, we have SLBC, Nagarjuna Sagar and Srisaillam.
3. Nizam Sagar not filling due to lack of rains.
4. First time, AMRP (Alimineti Madhava Reddy Project) has set up pump in 2001 to lift water about 100 Meters. Now, we have 4 pumps with pumping capacity of 600 Qusecs, irrigating about 3.25 L acres.
5. One pump is dedicated to supply water to Hyderabad. One pump is provisioned for Nalgonda district.
6. In MK (Mission Kakatiya), about 90% tanks are good, only 10% may be not that useful, due to scarcity of rains.
7. Palamuru-Ranga Reddy Etthipothala (LIFT) is at formulation stage. It is projected to complete in 3 years. It is designed to draw 100 TMC water, pumping 10-120 days per year
8. It is mainly designed to fill the reservoirs with gravity flow, rather than directly using for irrigation.
9. Pranahitha-Chevella Etthipothala (LIFT) is re-designed. It has 90-120 Days pumping provision. It will provide water to karim nagar, Medak
10. Kalwakurthy Lift (KLI) is NOT serving Kalwakurthy. It has 3 stages. Stage 1 is completed. Stage 2 will be completed by Dec. 2015. By next year June, Stage-3 will be completed. It will irrigate 3.5 L ayakut
11. KLI will be used to fill the tanks and as well give directly to ayakut with the capacity of 14L acres.

12. Lately, the thinking is to get water for Telangana Water Grid from Lift projects
13. Devadula will provide water to Warangal (part of Nalgonda also)
14. Dummugudem Khammam Project (formerly Dummugudem Tailpond) will get water to Khammam.
15. Pumps to current projects were supplied by BHEL. Mr. Pandey of BHEL imparted manufacturing knowledge
16. About Funds - Devadula needs 25K crores; Palamuru-Rangareddy Etthipothala needs 35K crores of which 25K crores was promised by LIC; Pranahitha-Chevella needs 40K crores
17. Kanthanapally needs 200 cr. It is in early stage
18. Over all, above projects will irrigate about 30% telangana land. It varies district to district. MBNR can get 15%, Nalgonda can get 19%
19. Though lifts were planned on surplus water, we have assured water also, not yet utilized.
20. No power generation is planned from LI projects
21. These projects are not using lining by design, so there may be leakage and seepage of water about 25%, but it is needed for the farmers around the projects.
22. Lifts are use in many countries like USA, France, Japan etc.
23. How ever, highest pumping in Asia, in telangana only
24. From Krishna 100 TMC is going to sea and from Godavari 300 TMC is going to sea.
25. AMRP was initially planned as drip and sprinkler project, but it failed.
25. per acre expenditure will vary, but anywhere Rs 1000 - Rs 15,000. How ever, farmer will pay only water cess which is around Rs 300 per acre.
27. For a question, he said there is zero maintenance on AMRP since 12 years
28. Underground tunnels are planned which run under 30M depth.
29. The power for LIFTs will be high voltage like 400KV, 220KV and 130KV lines

30. About the question on sudden change in power situation - he said Kothagudem production increased 10%, 20% is purchased and some mismanaged power is also streamlines. He said is created by Andhra rulers.
 31. He suggested that NRIs can help to organize "Raitu Avagaahana Sadassulu" on profitable agriculture using techniques and tools
 32. About a question on dependence on andhra class 1 contractors to build telangana projects, he said situation is changing and telangana contractors are availing small, bitwise contracts than giving one big work to a single contractor.
 33. He also suggested to speak to power distribution side with Shri Raghuma Reddy, Narayan Reddy and Prabhakar Rao (TRANSCO chairman)
 34. There was discussion on Ganta Gopal Reddy on co-operating farming. Around 17, 18 such societies are still working.
 35. Finally we thanked him with the suggestion that we will review progress in 6 months again and meanwhile requested to keep us posted on any major policy matters.
 36. Thanks to the participants for the productive discussion.
- Please contact us for the detailed audio conversation copy.