



## About WLF

Water and Livelihoods Foundation (WLF) is an NGO based in Hyderabad, India. WLF strives towards achieving water security and livelihoods enhancement of poor through community development initiatives; action research; and capacity & skill development.

Contributing to the skill building of NGOs, development workers and researchers is one of the major objectives of WLF. Apart from themes such as, water quality, GIS applications, ground water recharge etc., WLF offers skill building modules on data analysis and interpretation; and design of impact monitoring systems for NGOs.

Through its skill-building efforts, WLF aims to improve the quality of service-delivery by the participants and make positive impact on the life of poor and deserving communities at large.

## RESOURCE PERSON

R.V. Ramamohan has got 25 years of experience in the NGO sector. Ramamohan holds an M.E. in Water Resources Engineering and carries vast professional experience in diverse areas of water resource conservation and groundwater management. He had earlier designed gravity-based closed pipe irrigation networks in hilly areas and has sound insights into the operations of pressurized irrigation systems.

Ramamohan's writings and publications may be accessed on Google Scholar at: <https://scholar.google.co.in/citations?user=sDLtZrw.AAAAJ&hl=en>.

## OBJECTIVES OF THE COURSE

- 1) To introduce the basics of pressurized flow in pipes and their networks
- 2) To familiarize the participants in using EPANET to analyze pipe networks

## COURSE CONTENT

The training content covers broadly the following aspects:

1. *Introducing the concepts of pressure, flow, velocity and pressure-loss when water flows through pipes*
2. *Types of pipes, fittings and devices normally used in building water carrying pipe networks*
3. *Bureau of Indian Standards (BIS) recommended pipe specifications and standards*
4. *Uniqueness of gravity-based pipe flows and challenges in tapping natural springs / streams*
5. *Preparing and analysis of simple pipe networks in EPANET*
6. *Closed networks and their merits*
7. *Optimizing pipe lengths and sizes for least-cost and most efficient designs.*

## METHODOLOGY

Both conceptual and practical skills are provided. As the EPANET is a freeware, all the participants will be practicing on the software during the course of training.

## EXPECTED BACKGROUND OF PARTICIPANTS

NGO technical staff, research scholars, students and development professionals working or have plans to work on spring / stream diversion for water supply and irrigation.

Training course will be in English medium.

## COURSE CONTRIBUTION & METHOD OF APPLICATION

A small contribution of INR 300 is expected from the participants. Candidates interested to participate may register using the following Google Form link:

<https://forms.gle/DtrWhcBFbE7JLZF6>

**Last date: 10 Mar 2022 (or) 40 participant registrations, whichever is earlier.**

Bank details of WLF for course fee payment are also included in this registration form. Payment through UPI applications (such as, GPay or PhonePe) may also be done to the bank account of WLF, using the 'payment to account' option.

Participation certificates will be sent by post after completion of the training course. It is suggested to provide complete postal address with PIN code and correct mobile number in the registration form for this purpose.

Mail any query related to this training course to [wlfoundation@outlook.com](mailto:wlfoundation@outlook.com) (or) call Ramamohan-9440194866