

BIO-DATA

1. Name : Surender
2. Surname : Ghanta
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4. Date of Birth : 10-12-1958
5. Designation : Former Director(ITC) &
Senior Faculty Member
6. Name of the Department : WALAMTARI,
Irrigation & CAD Department
7. Date of Joining in the Service : 28-02-1986 FN

EDUCATIONAL QUALIFICATIONS :

Graduation / Post Graduation	University	Specialization	Year of Passing
B.E.	Osmania University, Hyderabad	Civil Engineering	1983
M.Tech	Jawaharlal Nehru Technological University, Hyderabad	Water Resources Engineering	1991

EXPERIENCE :

i) BEFORE JOINING IN THE I&CAD DEPARTMENT :

Sl.No	Post held	Place of Working	From	To	Nature of duties attended
1	Teaching Assistant (Civil)	M.V.S.R Engineering College, Hyderabad (Affiliated to Osmania University)	22-02-1983	12-06-1984	Teaching to Civil and Mechanical Engineering Degree Students in Various Subjects
2	Lecturer in Civil Engineering (UGC Scale)	M.V.S.R Engineering College, Hyderabad (Affiliated to Osmania University)	13-06-1984	27-02-1986	Teaching to Civil and Mechanical Engineering Degree Students in Various Subjects
3	In charge Head of the Civil Engineering Department	M.V.S.R Engineering College, Hyderabad (Affiliated to Osmania University)	29-01-1985	02-12-1985	Administration of the Civil Engineering Department including Teaching to Civil and Mechanical Engineering Degree Students in Various Subjects

ii) INCUMBENCY DETAILS FROM DATE OF JOINING IN THE I&CADD TILL DATE IN ALL CADRES :

Sl.No	Post held	Place of Working	From	To	Nature of duties attended
1	Assistant Executive Engineer	O/o The Executive Engineer Special Designs Division-III, Hyderabad	28-02-1986 6 FN	25-08-1986 6 AN	Preparation of Design & Drawings of Various Cross Masonry and Cross Drainage works of Major and Medium Irrigation projects in Andhra Pradesh

2	Assistant Executive Engineer	O/o The Executive Engineer Special Designs Division-I, Hyderabad	25-08-1986 AN	26-11-1991 FN	Remodeling of Thandava Reservoir Project in A.P. under National Water Management Project. Finalization of Revised Hydraulic Particulars of Majors, Minors, Sub-Minors and Design of Hydraulic Structures etc.
3	Assistant Executive Engineer(O&M) & Faculty Member	O/o The Director, (Engineering & Administration) Engineering Faculty Unit, WALAMTARI, Hyderabad	26-11-1991 FN	05-02-1999 AN	Designing, Coordinating & Conducting of Various Training Programmes including Induction Training Programme. Developing Various Training Modules & Delivering Lectures to the Participants
4	Deputy Executive Engineer & Faculty Member	FTC, Huzurabad, in the cadre of Principal and temporarily fixed at WALAMTARI	06-02-1999 FN	18-05-1999 AN	Designing, Coordinating & Conducting of Field Training Programmes under Director (Training & WUA) AP III Project Developing Various Training Modules & Delivering Lectures to the Participants

5	Deputy Executive Engineer (AP III) & Faculty Member	O/o The Director (AP III), WALAMTARI, Hyderabad	19-05-1999 FN	15-9-2001 AN	Designing, Coordinating & Conducting of AP III Training Programmes. Developing Various Training Modules & Delivering Lectures to the Participants
6	Deputy Executive Engineer (O&M) & Faculty Member	O/o The Director General, Engineering Faculty Unit, WALAMTARI, Hyderabad	15-09-2001 AN	30.08.2011 AN	Designing, Coordinating & Conducting of Various Training Programmes in WALAMTARI. Developing Various Training Modules & Delivering Lectures to the Participants
7	Director(ITC).. EE(H) & Senior Faculty Member	O/o The Director General, Engineering Faculty Unit, WALAMTARI, Hyderabad	31.08.2011 FN	31.12.2016AN	Directing, Designing, Coordinating & Conducting of Various Training Programmes in WALAMTARI. Developing Various Training Modules & Delivering Lectures to the Participants

VARIOUS TRAINING PROGRAMMES DESIGNED, DIRECTED, COORDINATED & CONDUCTED IN WALAMTARI :

1. Induction Training Programme to newly recruited AEE's of I&CAD Department (1992 Batch, 2004 Batch, 2005 Batch & 2008 Batch)
2. Training of Trainers (TOT) Programme in Participatory Irrigation Management to DEE's /AEE's/ AE's/ ADA's/ AO's
3. Preparation & Implementation of Canal Operation plan
4. Planning, Design & Installation of Flow Measurement Structures in Irrigation System
5. Operation & Maintenance of Irrigation Systems
6. Participatory Irrigation Management
7. Election Procedure of Conducting Elections to Farmers Organizations
8. Flow Measurement, Water Quality & Water Auditing
9. Micro Irrigation Systems
10. Irrigation Scheduling
11. On – Farm Development
12. Socio Economic Aspects of Irrigation Projects
13. Dam Safety & Dam Maintenance
14. Human Resources Development
15. Irrigation Water Management
16. MS- Office
17. Arbitration & Contract Management
18. Contract Law & Administration
19. Watershed Management and Catchment Area Treatment
20. Introduction to Irrigation Management Information System.
21. Planning & Design of Sprinkler and Drip Irrigation System.

TOPICS IN WHICH THE TRAINING IS IMPARTED:

1. Flow Measurement in Irrigation Canals
2. Planning, Design & Installation of Parshall Flume
3. Planning, Design & Installation of Cut Throat Flume
4. Need for Participatory Irrigation Management
5. Andhra Pradesh Farmers Management of Irrigation Systems Act, 1997
6. Andhra Pradesh Farmers Organization Rules, 1997
7. Structure of Farmers Organizations
8. Roles & Responsibilities of different Stake holders of Farmers Organizations
9. Formation of Sub committees
10. Water Tax Act, Assessment of Water Cess, Demand and Collection Procedure

11. Flow measurement with orifices & notches
12. Design & Layout of Field channels
13. Dependability and Water Availability
14. Flood Competition/Estimation
15. Introduction to Pressurized Irrigation Methods
16. Design of Sprinkler Irrigation System
17. Evaluation of Sprinkler Irrigation System
18. Flow measurement with Existing Structure in Irrigation System
19. Causes of water logging
20. Preparation of WARABANDI schedules

21. Design of Sub Surface Drainage System
22. Farm Structures
23. General Principles of Operation
24. Preparation of Canal Operation Plan
25. Implementation of Canal Operation Plan
26. Calculations in Water Regulation of Farmers Organization
27. Irrigation System Components
28. Flow measurement with Area-Velocity Methods
29. Advantages and disadvantages of Micro Irrigation System

IMPORTANT TRAINING COURSES, WORKSHOPS & SEMINARS ATTENDED:

Sl.No.	Name of the Training Programme	From	To	Sponsors	Place
1	Training of Trainers (TOT) in Irrigation Water Management (Phase I) { This Programme is meant for faculty of Water Management Institutes under USAID, WRM & T Project for 28 Weeks at WALMI, Aurangabad including Study tour to Abroad}	06-04-1992	14-08-1992	Central Water Commission (IRMIO), Government of India , & United State Agency for International Development (Water Resources Management & Training Project)	WALMI, Aurangabad, * Exposed to the Faculty of Water Management Insititutes which includes differnt modules viz., Irrigation Engineering, Agriculture Sciences, Socio Economic Aspects, Computer Applications, Education Technology

					including Trainer Skills, Skills in development of Audio-Visual Training Aids, Role play, Script Writing, Photography, Videography, Editing, Diagnostic Analysis of a live irrigation system (Minor 7 of Mula Porject, Maharashtra)
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2	Training of Trainers (TOT) Study Tour to USA, Mexico & Spain	24-08-1992	15-09-1992	Winrock International Institute for Agricultural Development, USA	USA, Mexico & Spain
3	National Level Training Course on “Farmers Participation in Irrigation Management”	17-01-1995	24-01-1995	Centrally Sponsored Command Area Development Programme, GOI	WAPCOS (India) Ltd. At WALAMTARI, Hyderabad
4	Direct Trainer Skills (DTS) Course	06-03-1995	10-03-1995	Department of Personnel & Training, Govt. of India, New Delhi	U.P. Academy of Administration, Nainital
5	Design of Training (DOT) Course	20-11-1995	24-11-1995	Department of Personnel & Training, Govt. of India, New Delhi	Assam Administrative Staff College, Guwahati
6	All India transfer course on “Operation of Main System of Irrigation Projects”	26-02-1996	16-03-1996	CWC, MOWR, GOI	WALAMTARI, Hyderabad
7	Regional Seminar on “Participatory Irrigation Management”	09-10-1995	10-10-1995	Irrigation & CADD, Govt. of A.P.	WALAMTARI, Hyderabad

8	National Level Training Course on “Participatory Irrigation Management”	30-09-1996	05-10-1996	MOWR, GOI	Administrative Staff College of India, Hyderabad
9	National Level Training Course on “Participatory Irrigation Management”	16-03-1998	22-03-1998	MOWR, GOI	WAPCOS (India) Ltd., New Delhi at WALAMTARI
10	National Level “Participatory Irrigation Management – Training of Trainers (TOT) Programme”	20-04-1998	26-04-1998	Economic Development Institute (World Bank), MOWR, (GOI) and I&CADD ,(GO AP)	WALAMTARI, Hyderabad

11	Training of Trainers(TOT) Programme on EMP under A.P. III	14-12-1998	15-12-1998	World Bank	WALAMTARI, Hyderabad
12	National Level Training Programme on “Participatory Irrigation Management”	15-07-2002	22-07-2002	MOWR, GOI	CWRDM, Kozhikode, Kerala
13	National Level Banner Course on “Training Methods & Communication Skills”	18-11-2002	23-11-2002	Ministry of Rural Development, Govt. of India	NIRD, Hyderabad
14	E-Governance : Awareness Programme	10-03-2003	14-03-2003	MOC & IT, DOIT, GOI	NIC, New Delhi
15	National Level Training Course on “Web Technologies for Information Resources Management”	13-10-2003	18-10-2003	Ministry of Rural Development, GOI	NIRD, Hyderabad
16	Feedback Workshop on “ Training Impact and Evaluation”	27-01-2004	29-01-2004	Govt. of AP	Dr. MCR HRDI of AP, Hyderabad
17	National Level Workshop on “Participatory Irrigation Management and Volumetric Measurement”	02-07-2004	03-07-2004	Govt. of Maharashtra	WALMI, Aurangabad
18	International Workshop on Weather Modification and Cloud Seeding Technologies for Rain Water Enhancement-2005	27-01-2005	28-01-2005	Agni Aviation, Bangalore	JNTU, Hyderabad and Rain Shadow Areas Development Department, Govt. of A.P.
19	National Level Training Course on “Participatory Monitoring and	20-11-2006	25-11-2006	Ministry of Rural Development, GOI	NIRD, North Eastern Regional Centre, Guwahati

	Evaluation of RD Programmes”				
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INSTITUTES VISITED AS GUEST FACULTY:

- i) Engineering Staff College of India, Hyderabad
- ii) MVSR Engineering College, Hyderabad
- iii) Chaitanya Bharathi Institute of Technology, Hyderabad
- iv) Vasavi College of Engineering & Technology, Hyderabad
- v) VNR Vignan Jyothi Engineering College, Hyderabad
- vi) Nalla Narasimha Reddy Engineering College, Hyderabad

OTHER ASSIGNMENTS :

- i) One of the Committee Member in Preparation of Status Report of Nizam Sagar Project
- ii) External Examiner to the different Engineering Colleges and Institutes in Hyderabad

FIELD VISITS INVOLVED/ CONDUCTED :

- i) WITHIN THE STATE : During training courses field visits were conducted to NSP, SRSP, AMRP, NSRSP, TGP, SMP etc.
- i) OUTSIDE THE STATE : Ozhar Water Users Association, Maharashtra

DETAILS OF MEMBERSHIPS IN TECHNICAL/PROFESSIONAL BODIES:

1. “Honorary Zanjero” of The Salt River Valley Water Users Association, National Reclamation Project, Arizona, USA
2. Member of Institution of Engineers (India), Membership No. M 106831/2
3. Life Member of Indian Association of Hydrologists, Roorkee (India), Life Membership No. LM – 822
4. Life Member of Indian Water Resources Society, Life Membership No. LM– 91- 3275
5. “Chartered Engineer (India)” by The Institution of Engineers (India), Membership No. 106831/2
6. Member of Alumni of Administrative Staff College of India, ASCI ALUMNI Association (Bella Vistans), Hyderabad. Membership No.12831
7. Member of the Indian Concrete Institute, Membership No. M-3559
8. Member of Indian Geotechnical Society , Membership No.M-3162
9. Life member of Indian Association of Hydraulics, Pune

THE TECHNICAL MAGAZINES THE INDIVIDUAL HAS SUBSCRIBED IN THE CURRENT YEAR:

- i. Journal of Indian Water Resources Society
- ii. Journal of Indian Association of Hydrologists
- iii. Journal of Institution of Engineers (Civil Engineering Division)

PAPERS PRESENTED:

1. WALMI, Aurangabad
2. JNTU, Hyderabad
3. Climate Change Forum, Hyderabad
4. WALMI, Anand
5. All India Conference on PIM at Kota, Rajasthan
6. India Water Week 2013, New Delhi
7. CWRDM, Kozhikode, Kerala
8. Institution of Engineers (India)
9. India Water Week 2014& 2015 , New Delhi

COUNTRIES VISITED:

1. USA
2. Mexico
3. Spain
4. Germany