

BIO - DATA



1. Full Name : **K. S. HARI PRASAD**
2. Father's Name : Sri K. N Suryanarayana Rao
3. Address for Correspondence : Assistant Professor
Department of Civil Engineering
Indian Institute of Technology Roorkee
ROORKEE – 247 667 (UA)
Phone(s) : 01332 – 285405 (O), 285053 (R)
Fax : 01332 – 273560
Email : suryafce@iitr.etnet.in

Permanent Address : D. No. 11-1-23, Bangalore Road
HINDUPUR, Anantapur Distt.
(A.P) – 515 201
Ph : 08556-228992
4. Date of Birth : 01.05.1965
5. Field of Specialization : Hydraulic Engineering
6. Sex : Male
7. Marital Status : Married
8. Nationality : Indian
9. Category : General
10. Academic Qualifications :

Examination/ Degree	Subjects/ Specialisation	Year	Div.	% Marks / Grade	University/College/ Board	Distinctions/ Scholarships
Secondary School Certificate	Telugu, Hindi, English, Maths, Science, Social Studies	1980	First	72.67	Board of Secondary Education, Andhra Pradesh	
Intermediate	Telugu, English, Physics, Chemistry, Mathematics	1982	First	78.1%	Board of Intermediate Education, Andhra Pradesh	
Bachelor of Technology	Civil Engineering	1987	First	86.2%	J. N. T. University, Hyderabad	Distinction

Master of Engineering	Hydromechanics and Water Resources	1990	First	7.3/8	Indian Institute of Science, Bangalore	Distinction
Ph.D.	Civil Engineering	1996	-	-	Indian Institute of Science, Bangalore	-

11. Teaching/Professional/Research appointments held :

Employer	Post held	Pay Scale	Period		Nature of Duties/Work
			From	To	
Indian Institute of Science, Bangalore	Research scholar	Rs. 2400/- per month (Instt. Fellowship)	Aug 1990	Dec 1990	
Hong Kong Univ. of Science and Technology, Hong Kong	Visiting Scholar	HK \$ 18000 per month	March, 1997	September 1998	Research work
University of Roorkee, Roorkee	Lecturer	Rs. 3000/- - Rs. 5000/-	6.11.1998	24.6.2001	Teaching, Research and Consultancy
University of Roorkee, Roorkee	Assistant Professor	Rs. 12000/- - Rs. 18300/-	25.06.2001	20.09.2001	- do -
Indian Institute of Technology, Roorkee	Assistant Professor	Rs. 12000/- - Rs. 18300/-	21.09.2001	Till date	- do -

11. Summary of Performance

(a) Teaching Experience		From	To	Total Year & Month
(i)	Under Graduate	6.11.98	till date	5 years 10 months
(ii)	Post Graduate	6.11.98	till date	5 years 10 months
(iii)	Total Teaching Experience	6.11.98	till date	5 years 10 months
(iv)	Short Term / Continuing Education / Specialist Courses conducted			
	(i) Delivered invited lecture in “ International Workshop on River Bank Filtration”, March 2004 at Dept. of Civil Engg., IIT, Roorkee			
(b) Publication		Published	Accepted	Communicated
(i)	Research Papers in Refereed Journals	04	-	03
(ii)	Papers in Conference / Symposia	8	1	-

(c) Number of Theses Supervised		Awarded	Submitted	In Progress
(i)	Ph.D.	01 (defended)	-	02
(ii)	M.E./ M.Tech.	19		02
(d) Sponsored Research / Consultancy Projects			Completed	In Progress
(i)	Number of Sponsored Research Projects		-	-
(ii)	Number of Consultancy Projects		3	1
(e) Prizes/Medals/Awards/Honours			---	
(f) Extra-Curricular Activities			Cricket, Chess	

12. Special Training/Assignment/Any Other Relevant Particulars -----
13. Specialization
- (a) Specialization in the degree preceding to Ph.D. Water Resources Engineering in Civil Engineering
- (b) Research Specialization Saturated-Unsaturated Flow Modelling, Stochastic Groundwater Modelling, Inverse problems
- (c) Courses taught (Undergraduate) - Computer Graphics, Groundwater Engineering, Computer Systems and Programming
- (Postgraduate) - Groundwater Engineering, Modelling Simulation and Computer Applications, Operating Systems and Networking, Introduction to Information technology, Groundwater Engineering, CAD of Hydraulic Structures, System Analysis and Groundwater Systems
14. Present Salary
- Scale of Pay Rs. 1200.00 - Rs. 18000.00
- Present Basic Pay Rs. 13260.00
- Present Dearness Allowance Rs. 8818.00
- Total Rs. 22078.00
- Next increment due on 01.06.2005
- 16.(a) Membership/Fellowship of Professional Societies :
- Life Member, Indian Society for Hydraulics, India
- (b) Knowledge of Foreign Languages - English

(c) Other Activities/Responsibilities

- Member, Publication Committee, International Conference on Hydraulic Engineering, Research and Practice (ICON-HERP-2004), Roorkee

17. Name, Designation and Addresses of Referees

- (i) Prof. M. S. Mohan Kumar
Department of Civil Engineering
Indian Institute of Science, BANGALORE – 560 012
Email : msmk@civil.iisc.ernet.in
- (ii) Prof. Deepak Kashyap
Department of Civil Engineering
Indian Institute of Technology, Roorkee – 247 667 (UA)
Email : dkashfce@iitr.ernet.in
- (iii) Prof. C. S. P. Ojha
Department of Civil Engineering
Indian Institute of Technology, Roorkee – 247 667 (UA)
Email : cojhafce@iitr.ernet.in

ANNEXURE I
List of Ph. D., M.E./M.Tech Theses Supervised

Ph. D. Theses :

1. Seepage Analysis Aided Optimal Design of Homogeneous Earth Dams, by Abdul Hussain, I. A. (Thesis defended on 13/9/2004)

M.E./M.Tech Theses :

1. Analysis of Groundwater Flow for Central Part of Paler Sub Basin, Andhra Pradesh by R. D. Prasad, 2000, Co-guide : Prof. D.C. Singhal
2. Mass Conservative Numerical Scheme for Two Dimensional Variably Saturated Flow by Pervesh Kumar, 2000, Co-guide : Dr. Ajai Gairola
3. Analysis of the Inverse problem for Unsteady Unsaturated Flow by K. K. Agrawal, 2000.
4. Analysis of Flow in Furrow Irrigation System by Jaijeev Gupta, 2000, Co-guide : Prof. M. K. Mittal
5. Hydraulic Transients in Pipe Networks by Vara Prasad babu Kota, 2001
6. A Study on River Change Patterns using Remote Sensing by Bhogadi Ramana Rao, 2001, Co-guide : Dr. S. K. Ghosh
7. Analysis of Unsaturated Flow, Sensitivity to Soil Parameters by Anil Kumar Bharti, 2001.
8. Estimation of Confined Aquifer Parameters using Pumping Test Data by Prasanth Mahto, 2001
9. Numerical Modelling of Solute Transport in Open Channels by P. Vijaya Mohan, 2002.
10. Modelling of River Morphology using Remote Sensing Techniques by Gopi Madana, 2002 Co-guides : Dr. S. K. Ghosh and Dr. Nayan Sharma.
11. Numerical Modelling for Irrigation Scheduling of Crops by Samaiya Nitin Kumar, 2000.
12. Stochastic Analysis of Contaminant Transport Through Soils by M.M. Mohan Reddy, 2003, Co-guide : Dr. C. S. P. Ojha
13. Analysis of Unsaturated Flow in Layered Soils by Jitendra Singh, 2003, Co-guide : Dr. Mahendra Singh
14. Fluid Structure Interaction in a Barrage by C. Janaki Ram, 2003, Co-guide : Prof. A.D. Pandey
15. Analysis of Soil Moisture Dynamics and Assessment of Recharge by Birudugadda Chandra Sekhar, 2003.
16. Applicability of Simplified Unsaturated Flow Models Under Large Uncertainty in Hydraulic Properties by Raja Sekhar Kalagati, 2004
17. Comparison of Numerical Models for Advection – Diffusion Equation by Madiki Vijay Kumar, 2004
18. Numerical Solution of Advection – Diffusion Equation by Pradeep Verma, 2004, Co-guide : Prof. C. S. P. Ojha
19. Kinematic Wave Model for Furrow Irrigation and Identification of Model Parameters by B.V.S. Jagadeesh, 2004, Co-guide : Prof. C. S. P. Ojha

ANNEXURE – II

List of Publications

Publications in Journals (Published/Accepted) :

1. A Priori Identifiability of Unsaturated Soil Parameters, Ghidaoui M. S. and Hari Prasad K. S., 2000, Journal of Irri. And Drain., ASCE, 126(3), 163-171.
2. Modelling Flow Through Unsaturated Zone : Sensitivity to Unsaturated Soil Properties, Hari Prasad K. S., Mohan Kumar M. S. and Sekhar M., 2001, Sadhana, Indian Academy of Sciences, 26(6), 517-528.
3. Estimation of Unsaturated Soil Parameters : Effects of Data Errors and Choice of Objective Function, Hari Prasad K. S., Trivedi M. K. and Agrawal K. K., 2003, ISH Journal of Hydraulic Engineering, 9 (1), 46-60.
4. Stochastic Analysis of Solute Transport in Soils, Hari Prasad K. S., Mohan Reddy M. M. and Ojha, C. S. P. (Accepted in HYDROLOGY Journal,)

Publications in Journals (Submitted) :

1. A Simple Numerical Model for Assessment of Groundwater Recharge, K. S. Hari Prasad, M. S. Mohan Kumar, M. Sekhar and B. Chandra Sekhar (Submitted to Indian Water Resources Society Journal)
2. Analysis of Saturated – Unsaturated Flow near a Pumping Well in an Aquifer - Water Table Aquitard System, Hari Prasad K. S., Mohan Kumar, M. S. and Sekhar M. (Submitted to Hydrology Journal)
3. Modelling of Pore Water Pressure Distribution in an Earthen Dam and Evaluation of its Slope Stability, Abdul Hussain, I. A., Hari Prasad, K. S. and Kashyap, D. (Submitted to Dam Engineering Journal)
4. Seepage Modeling Assisted Optimal Design of a Homogeneous Earth Dam : Procedure Evolution, Abdul Hussain, I. A., Kashyap, D. and Hari Prasad, K. S. (Submitted to ASCE Journal of Irrigation and Drainage)

In Conferences :

1. Uncertainties and Data Requirements in the Parameter Estimation of an Anisotropic Leaky Aquifer System, M. Sekhar, K. S. Hari Prasad, M. S. Mohan Kumar and K. Sridharan, International Conference on Computational Methods in Water Resources IX, Denver Colorado, 1992, Vol(1) 371-378.
2. Flow to a Well in a Fractured Aquifer : Influence of the Unsaturated Zone, K. S. Hari Prasad, M. S. Mohan Kumar and M. Sekhar, International Conference on Computational Methods in Water Resources X, Heidelberg, Germany, 1994, 675-682.
3. A Finite Analytic Model for Analysis of Recharge Through Unsaturated Soils, M. S. Mohan Kumar, K. S. Hari Prasad and M. Sekhar, First International Conference on Unsaturated Soils, Paris, 1995, 1095-1100.

4. Numerical Modelling of Soil Water Plant Interaction, M. K. Trivedi, K. S. Hari Prasad, A. Gairola and D. Kashyap, The Asian Conference on Unsaturated Soils, Singapore, 2000, 207-210.
5. Parameter Estimation for Transient Unsaturated Flow, K. S. Hari Prasad, M. K. Trivedi and K. K. Agrawal, International Conference on Civil Engineering, Bangalore, 2001
6. A Variably Saturated Numerical Model for Analysis of Seepage Through an Earth Dam, Ihssan A. Abdul Husain, D. Kashyap and K. S. Hari Prasad, International Conference on Fluid Mechanics and Fluid Power, Roorkee, 2002, 171-177.
7. Applicability of Linearized Unsaturated Flow Model Under Uncertainty in Hydraulic properties, Raja Sekhar, K., Hari Prasad, K. S. and Abdul Hussain, I. A., (Accepted for presentation in the International Conference on Hydraulic Engineering _ Research and Practice, to be held in October 2004, at IIT, Roorkee)

ANNEXURE III
List of Consultancy and Sponsored Research Projects

Consultancy Projects :

1. 'Circulation and Contaminant Transport Studies' part of Detailed Project Report on Dal Lake, Srinagar, Sponsored by Ministry of Environment and Forests, Govt. of India.
2. Physical Model Studies for the Proposed Bridge on the Rivers Khabuli and Luit in Assam, Sponsored by Gherzi Eastern Limited, Kolkata.
3. Calibration of V- Notch, Sponsored by Ms. Shiva Industries, Agra.
4. Technical Wetting of External Water Supply and Drainage Systems at Industrial Estate, Haridwar, Sponsored by State Industrial Development Corporation of Uttaranchal Ltd., Dehradun.

Sponsored Research Projects

1. Flow and Solute Transport in Unsaturated Soils, Proposal submitted to Ministry of Water Resources, Govt. of India.
2. Estimation of Unsaturated Soil Parameters, Proposal submitted to Department of Science and Technology, Govt. of India. (Proposal had been presented before the Program Advisory Committee of SERC division of DST)
3. Groundwater Recharge Assessment by Soil Physics Measurements, Proposal submitted to Ministry of Human Resources Development

ANNEXURE IV
List of Courses Taught

At Undergraduate Level :

1. Computer Systems and Programming
2. Groundwater Engineering

At Postgraduate Level :

1. Groundwater Engineering
2. Systems Analysis and Groundwater Systems
3. Computational Methods in Fluid Mechanics
4. Advanced Programming and Computer Graphics
5. Modelling, Simulation and Computer Applications
6. Operating Systems and Networking (for M. Tech CAD students)
7. Introduction to Information Technology (for M. Tech CAD students)
8. Computer Aided Design of Hydraulic Structures