



(HYDROLOGY PROJECT-II) PURPOSE DRIVEN STUDIES

Training Course on WATER QUALITY AND ITS MANAGEMENT (12-14 September, 2011, Shimla)



Organized by

National Institute of Hydrology, Roorkee (Uttarakhand)

In collaboration with

Public Health Engineering Dept., Shimla (H.P.)

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राष्ट्रीय जलविज्ञान संस्थान, रुड़की

Training Course on "Water Quality and its Management", organised by
NIH, Roorkee and I&PHE Dept., Shimla, 12-14 September, 2011 (Under H.P.-II, PDS)

ENTERED IN THE DATABASE

Training Course on
WATER QUALITY AND ITS MANAGEMENT
(12-14 September, 2011, at HIPA, Shimla)

(UNDER HYDROLOGY PROJECT-II,
PURPOSE DRIVEN STUDIES)

LECTURE NOTES



Organized by
National Institute of Hydrology, Roorkee (Uttarakhand)
In collaboration with
Irrigation & Public Health Engineering Dept., Shimla (H.P.)

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NIH, Roorkee and I&PHE Dept., Shimla, 12-14 September, 2011 (Under H.P.-II, PDS)*

**Training Course on
WATER QUALITY AND ITS MANAGEMENT
(12-14 September, 2011, at HIPA, Shimla)**

- **TRAINING SCHEDULE**
- **TABLE OF CONTENTS**
- **LECTURE MATERIAL**

TRAINING SCHEDULE

Date	Time	Topic	Faculty / Resource Person
Day -1 September 12, 2011	09:00 hr – 10:00 hr	Registration	
	10:00 hr – 11:00 hr	Inauguration	<ul style="list-style-type: none"> • Engineer-in-Chief/CE/SE, I&PHE, Shimla • Er. R. D. Singh, Director, NIH, Roorkee • Dr. V K Choubey, Scientist F • Representative of PCS (PDS), MOWR
	11:00 hr – 11:30 hr	Inaugural Tea	
	11:30 hr – 12:30 hr	Status and Strategies for Management of Water Resources of India	Er. R D Singh, Director, NIH, Roorkee
	12:30 hr – 13:30 hr	Drinking Water Quality Issues in Himachal Pradesh	Dr. (Ms.) Daksha Gupta, PSO (Retd.) SPCB, Shimla
	13:30 hr – 14:30 hr	Lunch	
	14:30 hr – 15:30 hr	Water Quality Analysis: Sampling, Preservation and Analysis	Dr. M. K. Sharma, Scientist C, NIH, Roorkee
	15:30 hr – 16:00 hr	Tea	
	16:00 hr – 17:00 hr	Water chemistry & characteristics	Dr. Rajesh Singh, Scientist B, NIH, Roorkee
Day -2 September 13, 2011	09:30 hr – 10:30 hr	Water treatment plant - Equipments and sizing calculations	Dr. Rajesh Singh, Scientist B, NIH, Roorkee
	10:30 hr – 11:00 hr	Tea	
	11:00 hr – 12:00 hr	Hydrological Investigations for Lake Studies	Er. Omkar Singh, Scientist E2, NIH, Roorkee
	12:00 hr – 13:00 hr	Characterization of Suspended Sediments in Water Bodies and Assessment Techniques	Dr. V. K. Choubey, Scientist F, NIH, Roorkee
	13:00 hr – 14:00 hr	Lunch	
	14:00 hr – 18:00 hr	Hands on training (Field & Lab Investigations)	NIH (MKS,RS,OKS,VKC) & IPHE
Day -3 September 14, 2011	09:00 hr – 10:00 hr	Sustainable Technology Options for Safe Reuse of Wastewater	Dr. R. C. Trivedi, Ex-Director, CPCB, New Delhi
	10:00 hr – 11:00 hr	Drinking Water Quality Aspects of Shimla City	Dr. Rajesh Singh, Dr. MK Sharma, Er. Omkar Singh, Dr. V.K. Choubey
	Tea		
	11:00 hr – 12:00 hr	Sewage Treatment (Part I)	Prof. S.K. Sharma, PEC, Chandigarh
	12:00 hr – 13:00 hr	Sewage Treatment (Part II)	Prof. S.K. Sharma, PEC, Chandigarh
	13:00 hr – 13:30 hr	Valedictory	<ul style="list-style-type: none"> • E-in-C/CE/SE, I&PHE, Shimla • Dr. V.K. Choubey, Scientist F & Head (EHD), NIH
	13:30 hr – 14:30 hr	Lunch	

TABLE OF CONTENTS

Sr. No.	Topic of Lecture	Page No.
1.	Status and Strategies for Management of Water Resources of India - Er. R D Singh, Director, NIH, Roorkee	1-34
2.	Water Quality Issues in Himachal Pradesh - Dr, Daksha Gupta, Ex. Principal Scientific Officer, HPSPC	35-78
3.	Water Quality Analysis: Sampling, Preservation and Analysis -Dr. M. K. Sharma, Scientist C, NIH, Roorkee	79-99
4.	Water Chemistry & Characteristics - Dr. Rajesh Singh, Scientist B, NIH, Roorkee	101-111
5.	Water Treatment Plant – Equipments & Sizing Calculations - Dr. Rajesh Singh, Scientist B, NIH, Roorkee	113-120
6.	Hydrological Investigations for Lake Studies - Er. Omkar Singh, Scientist E-2, NIH, Roorkee	121-142
7.	Characterization of Suspended Sediments in Water Bodies & Assessment Techniques - Dr. V. K. Choubey, Scientist F, NIH, Roorkee	143-153
8.	Sustainable Technology Options for Safe Reuse of Wastewater -Dr. R. C. Trivedi, Ex. Add. Director, CPCB, Delhi	155-194
9.	Drinking Water Quality Aspects of Shimla City -Dr. Rajesh Singh, Dr. M. K. Sharma, Er. Omkar Singh, Dr. V. K. Choubey, NIH, Roorkee	195-197
10.	Sewage Treatment – Physical & Physiological Treatments -Dr. S. K. Sharma, Assoc. Professor, PEC University of Technology, Chandigarh	199-203
11.	Sewage Treatment – Biological Treatment -Dr. S. K. Sharma, Assoc. Professor, PEC University of Technology, Chandigarh	205-209