



TRAINING MANUAL  
ON

**SOIL AND WATER CONSERVATION TECHNOLOGIES FOR  
FOREST MANAGEMENT IN WATERSHED APPROACH**



**28<sup>th</sup> to 30<sup>th</sup> November, 2011**

**COMPILED BY  
G.L. BAGDI & R.S. KUROTHE**

**केन्द्रीय मृदा एवं जल संरक्षण अनुसंधान और प्रशिक्षण संस्थान  
अनुसंधान केन्द्र, वासद - ३८८३०६, जि: आणंद (गुजरात)**

**Central Soil & Water Conservation Research & Training Institute  
Research Centre, Vasad – 388306, Dist: Anand (Gujarat)**

**Schedule of the Short Course training programme for Forest Officers**  
(28<sup>th</sup> to 30<sup>th</sup> Nov. 2011)

Course Director: R.S. Kurothe

Course Coordinator: G.L. Bagdi ✓

Date/Time	Topic	Resource person/ Faculty
<b>28<sup>th</sup> Nov. 2011</b>		
9.00-10.00	Registration and Inauguration	Smt. D.S. Macwan Smt. R.B. Vasava
10:00-11:30	Forest Planning in watershed approach: current and future scenario	Dr. R. S. Kurothe
11.30-13.00	Grassland management and Afforestation: interventions for augmenting <i>in-situ</i> soil moisture for enhancing growth	Dr. A. Vishwakarma
13.00-13.30	<b>Lunch break</b>	
13.30-15.00	Measures to rehabilitate degraded land with forest vegetation (stone bunds, trenches (CCT, SCT) gradonies etc. Vegetative barriers)	Dr. R S Kurothe
15.00-15.15	<b>Tea break</b>	
15.15-16.45	Participatory database management for evaluation of various forest land interventions post-execution	Dr A Vishwakarma
<b>29<sup>th</sup> Nov. 2011</b>		
09:00-10:30	Role of GIS and Remote Sensing for forest resources management	Dr Gopal Kumar
10.30-10.45	<b>Tea break</b>	
10.45-12.15	Social mechanism for inducing stakeholder's participation in forest resources management	Dr. G. L. Bagdi
12.15-13.15	<b>Lunch break</b>	
13.15-14.45	Drainage line treatments to check soil erosion in degraded forest lands and augmenting water harvesting and its use (mechanical and biological measures)	Dr. B. K. Rao
14.45-15.00	<b>Tea break</b>	
15.00-16.30	Economics of forest planning and management	Dr. V.C. Pande
<b>30<sup>th</sup> Nov. 2011</b>		
09:00-10:30	Fundamental of GPS: Application in forest planning and management.	Dr Gopal Kumar
10.30-10.45	<b>Tea Break</b>	
10.45-12.15	Hands on exercise of GIS and GPS software and Google earth interface in assisting planning of a forest land.-I: Mission mode planning	Anand Kumar
12.15-13.00	<b>Lunch Break</b>	
13.00-14.30	Hands on exercise of GIS and GPS software and Google earth interface in assisting planning of a forest land.-II: Data retrieval and interpretation	Anand Kumar
14.30-16.00	Rehabilitation of forest lands affected by special erosion problems ( Land slide/ Mine spoils/ gullies/ torrents/ stream bank erosion)	Dr. B. K. Rao
16.00 to 17.00	<b>Group discussion and Valedictory Distribution of certificate to participants</b>	All scientists and technical officers

*R.S. Kurothe*  
(R.S. Kurothe)  
Head