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भाकअनुप- केन्द्रीय मृदा लवणता अनुसंधान संस्थान
करनाल - 132001, हरियाणा
ICAR- CENTRAL SOIL SALINITY RESEARCH INSTITUTE
KARNAL - 132001, HARYANA



Dr. Anil Kumar
Head, SSR Division

F.No.SSR MIC 2019-20

Dated: 18 December 2019

Subject: Model Training Course (MTC) at ICAR-CSSRI, Karnal - reg.

Dear Sir,

It is our pleasure to inform you that ICAR-Central Soil Salinity Research Institute, Karnal is organizing a Model Training Course on "Livelihood Security of Farmers through Technological Interventions in Salt Affected Soils" during 31 January to 07 February, 2020 at Karnal premises. This training has been sponsored by Directorate of Extension, Ministry of Agriculture & Farmers' Welfare, Govt. of India.

The objective of this training programme is to acquaint the participants on the latest technologies, innovations and extension approaches for sustainable crop production in salt affected soils in order to enable them to provide better extension and advisory services to farmers. The participants would be field level officers of different State Agriculture, Land Reclamation/Horticulture and allied Departments, KVKs, SAUs and ICAR institutes involved in extension work for management of salt affected land and irrigation water.

It is hereby requested to kindly nominate 2 or 3 officers from your department/organisation to attend the programme. There is no course fee and free boarding and lodging will be provided to the participants. Travelling expenses of the participants of **State Development Depts. only** will be reimbursed by the organisers on behalf of Directorate of Extension, Ministry of Agriculture & Farmers' Welfare, Govt. of India on actual basis as per entitlement of the official on production of original tickets in support of their claim. They will also have to produce certificate that they have not claimed received TA from their nominating State Department/Agency. **For participants of KVKs, SAUs and ICAR institutes, TA/DA may be borne by their nominating/sponsoring organisation.**

The nominations may be sent to Dr. Anil Kumar, Principal Scientist & Course Director, Division of Social Science Research, ICAR-CSSRI, Karnal (Mobile No. 09458818844) or email: anilkumar_cpri@yahoo.com. Fax: 0184-2290480 or by post latest by 10th January, 2020. The attached Brochure of the training course may be referred to for detailed information.

ANIL KUMAR
Course Director

**Model Training Course on
Livelihood Security of Farmers through Technological
Interventions in Salt Affected Soils**

31 January - 07 February, 2020

Application Form

1. Full Name (in Block letters):
2. Designation:
3. Date of birth:
4. Gender: Male/Female
5. Work experience in Salt Affected Soil Management: () years
6. Present employer & address:
7. Corresponding address:

Fax:
E-mail:
Mobile:

8. Academic Details:

Degree	Main Subject	Year of Passing	Grade / %	University/Institution
Graduation				
Post-Graduation				
Ph.D.				
Others				

Place: _____
Date: _____
Signature of the applicant

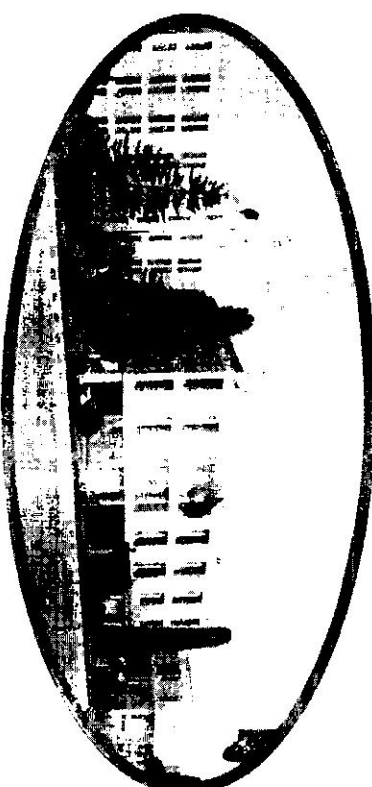
Signature and Seal

Recommendation of the Forwarding
Institution
Name & Designation
Address
Date

**Model Training Course
on
Livelihood Security of Farmers through
Technological Interventions in Salt affected soils**

31 January - 07 February, 2020

Sponsored by
Directorate of Extension,
Ministry of Agriculture & Farmers' Welfare, Govt. of India



Course Director : Dr. Anil Kumar
Course Coordinators : Dr. R. Raju
Dr. Kailash Prajapat
Ms. Bhagya Vijayan



**ICAR - Central Soil Salinity Research Institute
Karnal - 132001, Haryana, India**

About ICAR-CSSRI

The ICAR-Central Soil Salinity Research Institute was established at Karnal, Haryana in 1969 with the mandate of developing technologies for reclamation of salt affected soils and management of poor quality irrigation water. The institute is also mandated with capacity building for prevention, control and management of salinity problems in India. Apart from US Soil Salinity Lab, CSSRI is the only institute in the world with around 80 multidisciplinary faculty/scientists dedicated to technology generation and consultancy for development of salt affected soils and use of poor quality irrigation water in the country.

Model Training Course Outline

The training will cover Origin, classification and distribution of sodic and saline soils in India, Amelioration technologies for sodic soils, Categorization and sustainable use of poor quality water and waste water in agriculture, Improved agronomic practices for crop production in saline and alkali lands, Subsurface drainage for management of waterlogged saline soils, Salt tolerant crops and varieties for higher productivity in salt affected soils, Physiological mechanism of salt tolerance in crop plants, INM for sustainable production of rice-wheat system under sodic soils, Conservation agriculture for salt affected soils, Horticulture and Agro-forestry for salt affected soil, Fodder grasses for degraded soils, Bio-remediation and microbial consortia for improving crop productivity in salt affected soils, Economics of reclamation of sodic and saline soils, Extension strategies for transfer of soil reclamation technologies, Strategies for doubling farmers' income in salt affected soils, Motivational skills and leadership, Opportunities for farmer producer organisation (FPOs) in salt affected areas, Off-farm entrepreneurship for women in salt affected areas.

The trainees will also have hands-on practice of Soil sampling techniques, Assessment of Gypsum requirement for sodic soil reclamation, Design and techniques for artificial recharge of poor quality groundwater, Assessment of EC_e, pH_e and ESP of soil and water, Protected cultivation with the use of saline water.

Objectives

1. To upgrade the knowledge and skill of extension functionaries on technologies for ensuring sustainable livelihood security of farmers on salt affected soils.
2. To ascertain feedback from the trainees regarding issues faced by farmers.

Training duration

The training will be of 8 days duration scheduled from 31 January to 07 February 2020. The participants are requested to make their travel plan to arrive latest by the evening of 30th January and to leave after 17.00 hrs of 07th February, 2020.

Eligibility

This training is open for field level officers of different State Agriculture/ Land Reclamation/Horticulture and allied Departments, KVVKs, SAUs and ICAR institutes involved in extension work for management of salt affected land and irrigation water. A total of twenty (20) participants will be selected for the training on first-come first-served basis with preference given to those from State Departments and KVVKs.

Nomination

Eligible and interested extension officers are requested to send their application in the prescribed format duly nominated and forwarded by their competent authority to Dr. Anil Kumar, Principal Scientist & Course Director, ICAR-CSSRI, Karnal-132001 (Haryana) on or before 10th January, 2020 by email, fax or post. Acceptance of applications for the training will be communicated after the last date of receipt.

TA, Boarding and Lodging

Travelling expenses of the participants of State Development Depts. only will be reimbursed by the organisers on behalf of DoE, Ministry of Agriculture & Farmers' Welfare, Govt. of India on actual basis as per entitlement of the official on production of original tickets in support of their claim. They will also have to produce certificate that they have not claimed/received TA from their nominating State Department/Agency. For participants of KVVKs, SAUs and ICAR institutes, TA/DA may be borne by their nominating/sponsoring organisation. However, all the participants will be provided free lodging and boarding and other facilities during the training. The accommodation facility will be provided in CSSRI Guest House on twin sharing basis. Participants are requested not to bring their family members along with them as the guest house facility available here has limited accommodation.

How to reach ICAR-CSSRI

Central Soil Salinity Research Institute situated in Karnal, Haryana is 125 km north of Delhi. The institute campus is located in north-west part of Karnal city on Kachhwa Road on the right bank of the Western Yamuna Canal and at about 4 km west of the Karnal Railway Station and about 6 km west of Karnal Bus Stand. The campus is locally known as 'Zarifa Farm' with its coordinates of 29° 43' N latitude, 76° 58' E longitude and 245 metres elevation above the mean sea level.

Weather

The month of January-February is winter in Karnal with temperatures ranging between 08-20°C. Days are cold and winter clothing is required.

Correspondence

All correspondence including nominations may be addressed to:

Dr. Anil Kumar

Principal Scientist

ICAR-Central Soil Salinity Research Institute

Karnal- 132001 (Haryana), India

Mobile: 09458818844/ 09466228485 (Dr. Kailash)

Email: anilkumar_cpri@yahoo.com

For Further details please contact:

Dr. P.C. Sharma

Director

ICAR-Central Soil Salinity Research Institute

Karnal- 132001 (Haryana), India

Phone: (91)-184-2290504, Fax: 91-184-2290480

E-mail: director_cpri@yahoo.com