



## Indian Technology will Improve Oil and Water Quality of 34 Countries

### Why In News?

On November 20, 2023, Dr. RK Yadav, Director of Karnal-based Central Soil and Salinity Research Institute (CSSRI) said that 34 countries will improve the quality of their land and underground water with the techniques, technology and salt tolerant crop varieties developed by the institute.

### Key Points:

- This Indian technology developed by CSSRI has so far reached 25 countries, and seven more countries are currently being trained in the technology.
- It should be noted that about 67.4 lakh hectares of land in India is affected by salinity and alkalinity, whereas in 34 African and Asian countries, salinity and alkalinity is increasing in lakhs of hectares of land and underground water, due to which the land here is also moving towards becoming barren.
- International organization African-Asian Rural Development Organization (AARDO) has provided training to all its 34 member countries on soil and water reclamation techniques developed by CSSRI, Karnal for the improvement of salt and alkalinity affected lands and underground low quality water. Have signed a contract.
- This training has been going on for the last 13 years. So far, 100 scientists and agricultural experts from 25 countries have been trained in this technique.
- Dr. RK Yadav, Director of CSSRI Karnal, said that recently nine foreign scientists and agriculture expert officers from seven countries (including Bangladesh, Sri Lanka, Mauritius, Kenya, Zambia, Jordan and Eswatini) have reached the institute to receive training. Who are being trained in techniques.
- Among the technologies developed by CSSRI Karnal are gypsum, sulphur, FGD gypsum technology for the improvement of alkaline land, sub surface drainage, drainage technology for the improvement of saline land and varieties of salt tolerant crops and their seeds and low quality water. Many techniques, technologies and methods are included for the improvement of gypsum bed, gypsum brackets and rapid acidulating material and culture etc.



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