

(PREVIEW)

IS 15792 : 2008

Indian Standard

**ARTIFICIAL RECHARGE TO GROUND—
WATERGUIDELINES**

1 SCOPE

These guidelines provide details of methods aimed at augmentation of ground water resources by modifying the natural movement of surface water.

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Ground Water and Related Investigations Sectional Committee had been approved by the Water Resources Division Council.

Excessive extraction/use of ground water for various applications has resulted in marked lowering of ground water levels. Ground water levels are depleting very fast in certain areas of the country causing adverse environmental impacts and threatening ground water sustainability. Artificial recharge to ground water refers to augmentation of ground water resources using surplus surface water available . Artificial recharge techniques normally address the following issues:

- a) To enhance the sustainability of ground water resources in an area where overdevelopment has depleted the aquifer,
- b) Conservation and storage of surplus water for future requirements,
- c) To improve the quality of existing ground water through dilution, and
- d) To remove bacteriological and other impurities from sewage and waste water so that water is suitable for reuse.

The composition of the Committee responsible for the formulation of this standard is given in Annex A.