

**Funding Agency :** U.P. Bhumi Sudhar Nigam, Lucknow

**Duration :** 2009-2015

**Study Area :** 29 districts of U.P. i.e. Aligarh, Allahabad, Ambedkarnagar, Auriya, Azamgarh, Barabanki, Bulandshahar, Chatrapati Sahuji Nagar, Etah, Etawah, Farrukhabad, Fatehpur, Firozabad, Ghazipur, Hardoi, Jaunpur, Kannauj, Kanpur Nagar, Kanshiramnagar, Lucknow, Mainpuri, Pratapgarh, Raebarely, Ramabai Nagar, Sant Ravi Das Nagar, Sitapur, Sultanpur, Unnao

**Objectives:**

- To map sodic area on 1:50,000 scale using L-3/L-4 data
- To map sodicland classes (B, B+ & C) at cadastral level using L-4 data in villages selected by UPBSN.
- To monitor soil quality, ground water level & quality and surface water quality in the project areas
- To monitor changes in the spatial extent of sodic area after the project implementation in project areas.

**Finding:**

- 2008-09 wasteland maps showing salt-affected wastelands generated on 1:50,000 scale for all blocks of project districts.
- Using 2012/13 L-4 satellite data, C-class sodic area mapped for all project districts.
- At cadastral level a total of ha. 23389.45 sodic area mapped in 381 villages of 26 districts.
- Soil quality has improved in the surface horizon (0-15 cm) in general after reclamation in all the districts.
- There is no negative impact on the groundwater quality in the project areas after reclamation.

**Regular Manpower:**

- **Dr. Alok Mathur-** Project Manger, Dr. S. Ravi Prakash 2. Dr. B. Lal 3. Sh. Sushil Chandra 4. Dr. M.S. Yadav 5. Dr. Arvind Mathur 6. Dr. Kaushlendra singh