

# College of Agriculture, Indore

- **Project Name:** Evaluation of Gypsum utility in various crops and reclamation of black soils of Madhya Pradesh
- **Principal Investigator:** Dr. S.K. Verma, Sr. Scientist
- **Duration:** July-2006 to 2009
- **Cost:** ₹ 15,04,200/-
- **Description of R&D project:**
  1. The reclamation study at medium alkaline (ESP in the range of 25 to 35) soil fields with laboratory estimated gypsum requirement (GR) of 10 -15 T/Ha. There was significant increase in crop yield due to application of Gypsum and maximum yield was recorded when gypsum was applied @75% of GR. Favourable changes in soil condition as it was indicated by decreased soil ESP.
  2. The study on use of gypsum as soil conditioner as well as source of sulphur shows that 0.5 T gypsum/Ha. to garlic and 1.0 T gypsum/Ha. to onion & potato was best for highest and economic production of these crops. Moreover, application of 0.2 T gypsum/Ha. to soybean, groundnut and mustard was found best.