

# ICAR-INDIAN INSTITUTE OF SOIL SCIENCE

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## *Mridaparikshak*

### A Mini Lab for Estimation of Soil Health and Fertilizer Recommendation and Preparation of Soil Health Card



ICAR-Indian Institute of Soil Science, Bhopal, an institute under the Natural Resource Management (NRM) Division of the Indian Council of Agricultural Research (ICAR) has developed a mini laboratory 'Mridaparikshak' (applied for patent and trade mark in India) that can estimate 10 important soil parameters viz., pH, EC, organic

carbon, available nitrogen, phosphorus, potassium, sulphur, zinc, iron and boron.

This is a digital mobile quantitative soil test minilab to provide soil testing service at farmers' doorstep. It is compatible with soil health card. 'Mridaparikshak' comes with smart soil-pro, an instrument for determining soil parameters and displaying of fertilizer nutrient recommendations. In addition, this minilab is supplied with sieves, electronic weighing balance, shaker, hot plate, etc. Further, the results of 'Mridaparikshak' can be disseminated quickly to farmers via SMS. The soil test reports can also be saved in the minilab. It can be operated by young educated farmers/rural youth (12<sup>th</sup> Pass) with a short training. The quantity of chemical solutions provided along with 'Mridaparikshak' is for analyzing 100 samples and the solutions can be subsequently refilled.

The price of 'Mridaparikshak' for sale in India is fixed at Rs.72,000/- (local taxes extra) and the price of 'Refilling' for 100 samples is fixed at Rs.13,500/- (local taxes extra). The license for manufacturing and marketing of 'Mridaparikshak' is with M/s Nagarjuna Agro Chemicals Pvt. Ltd., Hyderabad. You may place your order for 'Mridaparikshak' directly to M/s Nagarjuna Agro Chemicals Pvt. Ltd., Hyderabad, with information to the Director, ICAR-IISS, Bhopal.

### For all Correspondence

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