

SOIL AND FERTILIZER MANAGEMENT

(362)

The institution having the following requisite infrastructure, may apply for accreditation:

- A. Class Room :** Class room for 30 students (minimum area 250 sq. ft.) should have proper ventilation, well-illuminated black board/white board and availability of adequate furniture and ceiling fans.
- B. Lab cum Workshop :** The size of workshop for 30 students should be at least 25ft. x 20 ft. with adequate lighting and exhaust & ceiling fans. The workshop should have the following Tool/ Equipments/Apparatus or material for Practical Training:

List of Tools and Equipment

Different type of soils	Contents	Samples of Bio-fertilizers Agotobactor, Rhizobum culture	Quantity, 2 Sample each
Sample of soils (All nine types)	Soil in glass/plastic jag	Soil map for colour, texture and physical appearance of the soil (Munched chart)	Charts 2 Sets
Different type of fertilizers DAP, urea, super phosphate, gypsum, Muriate of potash	100gm each	Litmus paper and universal indicator for testing soil pH.	2 Sets
Farms yard manure	1 kg	Glassware for soil analysis Beaker Flask Glass rod Test tubes Measuring cylinder Filter paper	Per sample 5 2 2 2 2 12
Chemicals for the estimation of total soil nitrogen/phosphorus/potash / organic carbon)	H ₂ SO ₄ (Sulphuric Acid), HCL (Hydro chloric acid) etc. (500 ml. Bottles each)	Implements for taking soil samples Spade Kassi Augur Hand Hoe	1 1 1 1
Facilities for estimation of soil nutrients pH, organic matter etc.	pH metre	Plastic bags for collection of soil samples.	As per requirement

- C. Physical Facilities :** The institution should have the facilities for Drinking water, Bathrooms & Toilets.
- D. Library :** Library should have utility books/articles/magazines related to course in related subject.

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E. Faculty & Supporting Staff:

Faculty & Supporting Staff	Educational/Professional Qualification	No.
Coordinator	Graduate	01
Instructor	Chemistry or B.Sc. (Ag.) from recognized university with 2 years experience	02
Lab incharge/lab Assist.	10 th class pass preferably locally trained person	01
Receptionist cum clerk	Relevant to job	01
Assistant	Relevant to job	

F. Batch size - Maximum 30 students in one batch.

Note : An institution can run Maximum 2 batches for this course.

- Institute should possess minimum of 0.5 acre of land.