

Meteorologist Grade II Training

This is meant for the departmental Class I officers. The course duration is of 12 months, which includes rigorous training in meteorology with special emphasis on agricultural meteorology. The course duration is splitted into three phases. A phase is of two months duration, conducted in the DDGM(WF) Office, Pune. B phase is of 4 months duration while C phase is of six months duration, which are conducted in this office as well as in the DDGM(WF), Pune. Minimum qualification for the course is M.Sc (in agricultural and allied subjects). After completion of the training the trainees are recruited as Meteorologist GRIL. So far 20 trainees have been trained.

SYLLABUS FOR MET – II TRAINING COURSE IN AGRICULTURAL METEOROLOGY(B-PHASE) (DURATION 4 MONTHS)

S.No.	Name of the Topics
1.	General Agricultural Meteorology
2.	General Meteorology and weather forecasting
3.	Agromet instruments/equipment and methods of observations
4.	Agroclimatology of crops
5.	Agricultural statistics
6.	Hydrology of soil in relation to agriculture
7.	Rainfall climatology for Agricultural Planning
8.	Dew, Fog, Humidity in relation to Agriculture
9.	Drought climatology
10.	Soil and air temperature
11.	Evaporation/transpiration

12.	Radiation and plants energy
13.	Weather hazards affecting crops
14.	Synoptic Meteorology

**sYLLABUS FOR MET – II TRAINING COURSE IN
AGRICULTURAL METEOROLOGY(C-PHASE)
Computer programming(DURATION 6 MONTHS)**

S.No.	Name of the Topics
1.	Agroclimatic classification
2.	Agricultural statistics
3.	Affects of temperature on plants
4.	Soil-Water-Plant relationship
5.	Evapotranspiration
6.	Crop Weather analysis
7.	Radiation and plants
8.	Service to farmers
9.	Micrometeorology
10.	Crop yield formulation
11.	Dry land Agriculture
12.	Synoptic Meteorology
13.	Pest & diseases
14.	Climatic change and Agriculture
15.	Medium and long range forecasting
16.	Remote sensing in Agriculture (Principles & Application)
17.	Computer programming
18.	Project work