

Faculty of Civil Engineering**B.Tech. AGRICULTURAL ENGINEERING****(R2021) Semester: VII****RENEWABLE ENERGY IN AGRICULTURAL ENGINEERINGLABORATORY**

Sl. No.	Description of Equipment	Quantity available
1.	Hot air oven	1 no.
2.	Muffle furnace	1 no.
3.	Junkers gas calorimeter	1 no.
4.	Bomb calorimeter	1 no.
5.	Model of Biogas and Deenabandhu biogasplant	1 no.
6.	Biogas scrubbing unit	1 no.
7.	Gasifier - Lab Scale	1 no.
8.	Pyrolysis unit	1 no.
9.	Biogas/ Producer gas dual fuel Engine	1 no.
10.	Briquetting Machine - Lab Scale	1 no.
11.	Automatic weather station	1 no.
12.	Solar water heater-	1 no.
13.	Solar dryer	1 no.
14.	Solar PV training kit	1 no.
15.	Solar PV water pumping system	1 no.
	*The equipment includes the basic requirements like petri plates, silica crucible with lid, weighing balance, tongs, gloves, solarimeter, hand held anemometer, temperature and humidity sensor	