

ACTIVITY 10: EQUIP AND STRENGTHEN LABORATORY FACILITIES AND

Sl. No.	Item	Specifications	Unit
1	Plastic beaker	ARC Polyethelene made, 2000 ml	No
2	Plastic beaker	ARC Polyethelene made, 1000 ml	No
3	Plastic beaker	ARC Polyethelene made, 50 ml	No
4	Glass beakers	Borosilicate Glass, Graduated, 2000 ml	No
5	Glass beakers	Borosilicate glass, Graduated, 1000 ml	No
6	Glass beakers	Borosilicate glass, Graduated, 500 ml	No
7	Glass beakers	Borosilicate glass, Graduated, 250 ml	No
8	Glass beakers	Borosilicate glass, Graduated, 100 ml	No
9	Glass beakers	Borosilicate glass, Graduated, 50 ml	No
10	Glass cylinder	Borosilicate glass, Graduated, 1000 ml	No
11	Glass cylinder	Borosilicate glass, Graduated, 500 ml	No
12	Glass cylinder	Borosilicate glass, Graduated, 250 ml	No
13	Glass cylinder	Borosilicate glass, Graduated, 100 ml	No
14	Glass cylinder	Borosilicate glass, Graduated, 50 ml	No
15	Glass cylinder	Borosilicate glass, Graduated, 10 ml	No
16	Conical volumetric flask with cap	Borosilicate glass, 1000 ml	No
17	Conical volumetric flask with cap	Borosilicate glass, 500 ml	No
18	Conical volumetric flask with cap	Borosilicate glass, 250 ml	No
19	Conical volumetric flask with cap	Borosilicate glass, 100 ml	No
20	Conical volumetric flask with cap	Borosilicate glass, 50 ml	No
21	Conical flask with cap	Borosilicate glass, 1000 ml	No
22	Conical flask with cap	Borosilicate glass, 500 ml	No
23	Conical flask with cap	Borosilicate glass, 250 ml	No
24	Conical flask with cap	Borosilicate glass, 100 ml	No

25	Conical flask with cap	Borosilicate glass,50 ml	No
26	Test tube with cap	Borosilicate glass,10 ml	No
27	Screw cap wash bottle	Borosilicate glass,1000 ml	No
28	Polypropylene transparent bottle	PP,200 ml	No
29	Polypropylene transparent bottle	PP,100 ml	No
30	Polypropylene transparent bottle	PP,50 ml	No
31	Motor & pestle	Porcelian, 150 mm	No
32	Wash bottles	PP-500ml	No
33	pH electrode	Eutech/Thermofisher	No
34	EC electrode	Eutech/Thermofisher	No
35	Petri dish(Big)	100*125	Set
36	Perti dish(Small)	90*100	Set
37	Ziplock bag	PP	No
38	Ziplock bag	PP	No
39	Paper towel	Big	Pkt
40	Filter paper	100-185	Pkt
41	Filter paper	100-125	Pkt
42	Laboratory tissue paper-Kimwipes	Kimwips	Pkt
43	Surgical gloves	PF	Pkt
44	Hand towel	30x20	No
45	Plant sample grinder	mrclab	No
46	Digital weighing balance (10 kg capacity)	Precision balance	No
47	Digital pipette (Rechargeable)	Solar	No
48	Lab coat	Standard	No
49	Parafilm	125	Roll
50	Silver foil	72mtrs	Mtr

51	Permanent marker-water resistant	Cryo	No
52	Compressor relay switch	Legrand	No
53	Blower heater 3000 w	Stanley	No
54	Hand sprayer	Agritech	No
55	Tween 20	Merck/SRL	ml
56	Digital Pipette	Microlab	No
57	Surgical Masks	3ply	Pkt
58	Lazer blade	Razor	Pkt
59	Plastic bags/Bodegradable	1 kg capacity	kg
60	Plastic Tray	30*30 cm	No
61	pH buffer solution (200 ml)	Thermofisher	ml
62	pH buffer solution (200 ml)	Thermofisher	ml
63	EC buffer solution (200 ml)	Thermofisher	ml
64	Ethyle alcohol	Merck/SRL	Ltr
65	Murashige and Skoog medium	Himedia PT100-1L	Ltr
66	Agar media	Himedia/500gm	kg
67	Citric acid	Merck/SRL	kg
68	Electronic Weighing Balance	Precision balance /10 kg weighing capacity, 300X300 mm platform size, material type ABS, accuracy 1 g	No
69	Oil Filled Radiator Heater	9 fins, copper heating element, 3900 watt, 230V	No
70	Vinegar	1 ltrs bottles	No
71	Automatic burette with glass stop cock	Borosilicate Glass, 25 ml,	No
72	Phenolphthalein indicator solution	125ml	No
73	Glass cylinder	Borosilicate Glass, 10 ml,	No
74	Silicon liquid dropper pipette babies	plastic pipette transfer eye dropper , tip eye dropper 5 ml	No

75	Scientific glass funnel	50mm (2 nos), 75mm (2 nos)	No
76	Digital vernier calliper	Accuracy-0.01mm, measuring range -15 cm, digital display type, stainless steel	No
77	Digital Temperature Humidity Logger Easy Log, For Industrial, Usb	HTC/Digital data logger with temperature and humidity sensor, digital display, usb interface, - 40 to 70 degree celsius, 0 to 100 % humidity, measuring rate HTC	No
78	Digital Soil moisture meter	Range: 0 to 14.0 pH, 0 to 50 °C (32 to 122 °F), Resolution: 0.1pH, 0.1°C/0.1°F, Accuracy: ±0.1pH, ±1°C/±1°F, Temperature Compensation: Automatic 0 to 50°C (32 to 122 °F), Calibration: Automatic 1 to 3 points (4/7/10), Unit: pH, °C, °F, Power supply: 4-AAA alkaline batteries, Backlight: White (measurement) ; Green (calibration) ; Red (error reminder), Waterproof Rating: IP67, pH Probe: Swiss LabSen spear sensor, 4-in-1 Soil Moisture Meter Digital, Measures sunlight (9 levels),soil moisture (5 levels),soil pH (12 levels)and temperature (°C & °F), 7.67 inch or195mm long probe, Intelligent switch-off (automatic power-off after a long period of inactivity), Survey light intensity of current environment, Precise and fast measurements, Green backlight feature, Memory storage function (20 seconds of data memory after soil testing), New button design (more ergonomic) /Extech Digital Soil Moisture Meter Model MO750	No
79	Soil Testing mini-lab (Soil Test fertilizer recommendation meter-STFR) meter/Harvesto's Digital Soil Testing Mini Lab	14 Parameters Tested by Harvesto Digital Soil Testing Kit (OC, N, P, K, Zn, S, B, Cu, Fe, Mn, EC, pH, Lime requirement test for Acidic Soil, Gypsum requirement test for alkaline soil)/Hervisto	Set

80	Soil Test Fertilizer Recommendationmeter refills	Octopusinc or equivalent	pkt
81	Rapid Soil Test kits	Test parameters, N,P,K & pH/Octopusinc equivalent	sets
82	Potable leaf chlorophyll meter	Testing objects: nitrogen, chlorophyll content, leaf temperature, and leaf humidity, Nitrogen range: full range, Nitrogen accuracy: $\pm 5\%$, Chlorophyll range: 0.0-99.9 SPAD, Chlorophyll accuracy: ± 1 SPAD, Leaf temperature: 0-60°C, Leaf temperature accuracy: $\pm 1^\circ\text{C}$, Leaf humidity range: $\pm 3\%$, Storage capacity: 2G SDcard, Measuring Interval: <5s, Operating temperature: -10-50°C, 85%RH, Power: 4.2V 2200mAh rechargeable Li battery, Memory capacity: 2GB, SD card, data be export to PC in excel format for further analysis, Weight: 200g//SPAD-502Plus	No
83	Autoclave	Outside size :23.6*15.4*14.2in, Sterilize temperature/pressure(Mpa) : 252°F & 274°F, Sterilize pressure(Mpa) : 17.4 Psi & 33.4 Psi, Sterilize time : 25Min & 5Min, Dry time : Immobile range is 40 min, Power consubtion : 1100W, Automatic vent water-air adjustment: Have the device, Store water box(2000ml): Have the device, Led lights indicate the level of water tank: Have the device, Disinfection complete action: Automatic discharge of water and steam/ACe	No
84	Oxygen pump	Material-aluminium, item weight-1.01 kg, product dimension-5.71"L x 3.35"W x 3.74"H, power source-corded electric, Aquarium Air Pump - Air Pump for Fish Tank, Fish Tank Air Pump Bubbler Pond Aerator, Hydroponic Air Pump, Commercial Air Pump (650GPH-20W)	No

SERVICES			
Qty	Rate	Amount	Remarks
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