

**PANDIT JAWHARLAL NEHRU COLLEGE OF AGRICULTURE AND
RESEARCH INSTITUTE, KARAİKAL (UT OF PUDUCHERRY)**

STAR COLLEGE SCHEME - DBT

LIST OF INSTRUMENTS PURCHASED (As of 31.03.2023)

A. DEPARTMENT OF AGRONOMY

S. No.	Name of the Instrument / Equipment	Cost (Rs.)
i. Agronomy		
1.	Hot air oven (2 No.)	1,03,740
2.	Water distillation unit	59,535
3.	Flame photometer	49,350
4.	Spectrophotometer	56,175
5.	Wiley Mill 0.25 HP	23,506
6.	Aneroid barometer	19,268
7.	Macro-kjeldahl distillation assembly - Stove	7,900
8.	Soxhlet apparatus	12,443
9.	Gypsum blocks (3 No.) with Multimeter	59,000
10.	Double ring infiltrometer	24,190
11.	Tubular soil sampler	14,750
12.	Tensiometer (2 No.)	14,868
13.	Handheld GPS meters (2 No.)	50,798
14.	Digital planimeter	P45,902
15.	Precision Analytical balance- 0.1g accuracy	62,948
16.	Spades (50 nos.)	37,500
17.	Sickles (15 nos.)	4,500
18.	LCD projector	52,332
	TOTAL (A)	6,98,705
ii. Animal Husbandry		
19.	Poultry chick brooder set	10,000
20.	Poultry Equipments (Feeder, Water etc.)	5,800
	TOTAL (B)	15,800
iii. Agricultural Engineering		
21.	Cultivator cup feed seeddriller – Miniature model	9,713
22.	Improved gorru seed cum fertilizer drill (Animal drawn)	5040
23.	Helical blade puddler – miniature model	3,623
24.	Indigeneous plough – miniature model	6,143
25.	Disc harrow – miniature model	6,153
26.	Basin lister – miniature model	9,345
27.	Biogas plant – miniature model (Deenapandhu)	6,773
28.	Threshing drums – spike tooth	7,088
29.	Hand operated eight rows paddy drum seeder	6,500

30.	Manual cum batter operated knapsack sprayer	12800
	TOTAL (C)	73,176
	GRAND TOTAL (A+B+C)	7,87,681

B. DEPARTMENT OF HORTICULTURE

S. No.	Name of the Instrument / Equipment	Units Purchased	Cost (Rs.)
1.	Work table with stainless steel top	1	99710
2.	Strapping machine for cartons	1	2940
3.	Handy PH & EC meter	1	14700
4.	Fruit and vegetable processing accessories	1	19845
5.	Brine meter	1	14910
6.	Shrink wrapping machine	1	74970
7.	Colour meter	1	16800
8.	Tomato fruit juice extractor	1	1995
9.	Continuous band sealing machine	1	39900
10.	Hot air oven	1	79905
11.	Micro oven	1	16905
12.	Weighing balance	1	59850
13.	Hand lever crown corking machine	1	29925
14.	Compound microscope	2	69930
15.	Deep freezer vertical	1	96495
16.	Vernier caliper	1	13924
17.	Pressure tester	1	6372
18.	Lux meter	1	20945
19.	Cabinet tray dryer	1	94962
20.	Fruit pulper	1	87360
21.	Mini hydro distillation unit	1	38055
	TOTAL		9,00,398

C. DEPARTMENT OF AGRICULTURAL ENTOMOLOGY, PLANT PATHOLOGY AND AGRICULTURAL MICROBIOLOGY (UNIT)

i. Agricultural Entomology

S. No.	Name of the Instrument / Equipment	Units Purchased	Total Cost (Rs.)
1.	Rocker sprayer	1	8,100
2.	Yellow sticky pan trap (10/pack)	1	944
3.	Berlese funnel trap	1	4,012
4.	Wooden Insect box	55	98,753
5.	Square type wooden insect box with glass top	52	98,280
7.	Battery operated knapsack sprayer	1	4,500
8.	Power sprayer	1	11,700

9.	Binocular stereo zoom microscope	2	98,884
10.	Malaise trap	1	30,090
11.	Honey extractor	1	6,500
12.	Drone trap	5	1,000
13.	Queen gate/comb foundation sheet	5	1,000
14.	Decapping knife	5	1,000
15.	Smoker	5	1,500
16.	Corcyra matting drum	3	8,850
17.	Chrysoperla adult cage	3	2,124
18.	Chrysoperla grub cage	3	2,124
19.	Italian bee box	2	8,176
20.	Queen excluder	10	2,240
21.	Queen cage	10	336
22.	Bee veil	10	2,240
23.	Pollen trap	5	1,680
24.	Enamel tray	9	5,522
		Total	3,99,555

ii. Plant Pathology

S. No.	Name of the Instrument / Equipment	Units Purchased	Total Cost (Rs.)
1.	Monocular compound microscope	17	1,65,495
2.	Hand Held Digital Microscope	1	49,973
3.	Autoclave	1	62,068
4.	Refrigerator	1	43,601
		Total	3,21,137

iii. Agricultural Microbiology

S. No.	Name of the Instrument / Equipment	Units Purchased	Total Cost (Rs.)
1.	Microscope Micron optic KG-5	17	1,65,495
2.	Centrifuge along with rotor	1	51,300
3.	Sandy vertical Autoclave	1	62,068
		Total	2,78,863

/Sd/
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/Sd/
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