

BILL OF QUANTITY OF LAB. EQUIPMENT 2022-2023

Sl.No	Items	Specification	Unit	Rate	Remarks
1	Sprit		Lit		
2	Towel	Small/Medium/Large	No		
3	Lab. Apron	White dress	set		
4	Hand globes(surgical)		Dzon		
5	Cell for moisture meter	AAA size(rechargeable)	Dzon		
6	Chemical protective suit		Pair		
7	Beaker alit	Lit			
Laboratory equipment:					
8	Essential oil determination apparatus for volatile oil lighter than water 10 litre capacity	JSGW Clevenger type, vertical tube combined with condenser and measuring tube with stopcock.A return tube for the aqueous part of the distillate connects the bottom of the measuring tube and the vertical tube.	set		
9	Teflon expansion adaptor	Socket 34, Cone 24	No		
10	Teflon expansion adaptor	Socket 19, Cone 14	No		
11	Teflon expansion adaptor	Socket 24, Cone 19	No		
12	Teflon expansion adaptor	Socket 34, Cone 24	No		

13	Heating mantles for 10 litre flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		
14	Heating mantles for 1 litre flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		0
15	Heating mantles for 500 ml flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		
16	Heating mantles for 2 litre flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		
17	Alcohol metre	Good quality	No		
18	Heating mantles for 1 litre flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		

19	Heating mantles for 500 ml flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		
20	Heating mantles for 2 litre flask	JSGW made of yarn to provide uniform heating of flasks upto 400 degree C. built in energy regulator fitted in nicely painted metallic box.	No		
21	Alcohol metre	Good quality	No		
22	Glass wares		no		
23	Clavenger set		set		
24	Water Boilier				
25	Transparent plastic container	500gm,	piece		
26	Transparent Glass container with air tight lid(clamping type with rubber sealing)	250gm			
27	Electricial hot plate	10" diameter			
28	Pressure cooker	10lit			
		15lit			
29	Soil color chart	Item No. 174463; Munsell Soil Color Chart			
30	Butter paper bag				
31	Forceps				

32	Camel's Hair Brush				
33	Pollen Vial				
34	Metallic Label				
35	Desiccators	Standard type			
36	Conical flask	25 ml capacity	No.		
37	Conical flask	50 ml capacity	No.		
38	Conical flask	100 ml capacity	No.		
39	Conical flask	150 ml capacity	No.		
40	Conical flask	200 ml capacity	No.		
41	Conical flask	250 ml capacity	No.		
42	Conical flask	500 ml capacity	No.		
43	Measuring cylinder	500 ml capacity	No.		
44	Measuring cylinder	150 ml capacity	No.		
45	Measuring cylinder	300 ml capacity	No.		
46	Sieves	63 m to 212 mm	No.		
47	Volumetric flask	100 ml capacity	No.		
48	Volumetric flask	150 ml capacity	No.		
49	Volumetric flask	200 ml capacity	No.		
50	Measuring cylinder stand	Standard type	No.		
51	Beaker stand	Standard type	No.		
52	Test tube stand	Standard type	No.		
53	Bunsen burner	Standard type	No.		
54	Drying jar	Wako Chemicals	No.		

55	Kim wipes (Sterilized tissue paper rolls)	Wipers S - 200	No.		
56	Polypropylene bottle	50 ml capacity	No.		
57	Polypropylene bottle	100 ml capacity	No.		
		150 ml capacity	No.		
58	Pollen sieve		No.		
59	Glass slide		No.		
60	Cover slips		No.		
61	Blotting paper		Roll		
62	Sterilized tissue paper		Roll		
63	Rubber Gloves		pair		
64	SPAD Meter		No		
65	Plastic bottle		No.		
66	Juice extractor		No.		
67	Ammonium molybdate	Product No. 1.01180.0250			
68	Potassium tartarate		Unit		
69	Sulphuric acid (Conc.)		Units		
70	Ascorbic acid		units		
71	Potassium dihydrogen orthophosphate GR	Product No. 61754605001730	Units		

72	Hydrochloric acid (Conc.) 35 % Pure	Product No. 617526031730	Units		
73	Polyaclymide		ml		
74	Sodium bicarbonate		mg		
75	Sodium hydroxide	Product No. 1.06466.0050	units		
76	Hydrogen peroxide 30 % H ₂ O ₂ Suprapur®	Product No. 1.07298.0250	Units		
77	Octan-2-ol	Product No. 8.18321.0001	Units		
78	Sodium hexametaphosphate				
79	Ammonium fluoride	017-03075 Wako			
		Lot TSG6548			
80	Hydrochloric acid	1 M/L HCl Wako			
		080-08065			
81	Magnesium Test	Product No. 1.16124.0001			
82	Calcium Test	Product No. 1.16125.0001			
83	Potassium Test	Product No. 1.16992.0001 & 1.17945.0001			
84	Ethanol		lit		
85	Parafilm as per our sample	2"x250'	Roll		
86	Protective cloths	Cloth, mask and glove for spraying insecticides	Set		
87	Magnesium-Test for RQ FLEX	Product No. 1.16124.0001, Merck	Set		

88	Phosphate-Test for RQ FIEX	Product No. 1.16978.0001, Merck	Set		
89	Calcium-Test for RQ FIEX	Product No. 1.16125.0001, Merck	Set		
90	Potassium-Test for RQ FIEX	Product No. 1.16992.0001 & Product No. 1.17945.0001, Merck	Set		
91	Transformer for Electronic weighing balance	Transformer Output 100 V - 1A, Sugano Electric Co. Ltd.; Weighing balance (Mettler Toledo AL 204, 7 - 20V	Nos.		
92	Electrode for pH Meter (HM-30R)	Electrode Type: GST-5741C, Product # 701K0038	Nos.		
93	Hydrochloric acid	1 moles/Litre concentration, Wako	Lit.		
94	Compost Seiving machine for potting mix	Model: BHI-CE 1322	Nos		
95	Dropper		Pc		
96	Bunsen Burner		pc		
97	Tween 20		100 ml		
98	Kinetin		gm		
99	3 Indole Acetiic Acid (IAA)		5 gm		
100	Indole 3 Butyric Acid (IBA)		5 gm		

101	1 Napthalic Acetic Acid (NAA)		25 gm		
102	Murashige Skoog basal (MS)		litre		
103	Gibberlic Acid		500 gm		
104	Teepol		litre		
105	Magnesium Sulphate (MgSO ₄)		Kg		
106	Manganese Sulphate (MnSO ₄)		Kg		
107	Zinc Sulphate (ZnSO ₄)		Kg		
108	Boric Acid (H ₃ BO ₃)		Kg		
109	Copper Sulphate (CuSO ₄)		Kg		
110	Sodium Molybdate (Na ₂ MoO ₄)		Kg		
111	Di potassium Hydrogen Orthophosphate (K ₂ HPO ₄)		Kg		

112	Calcium Nitrate (Ca(NO ₃) ₂)		Kg		
113	Potassium Nitrate (KNO ₃)	Lab grade	Kg		
114	Ammonium Nitrate (NH ₄ NH ₃)		Kg		
115	Chelated Iron		Kg		
116	Hydrogen Peroxide (H ₂ O ₂)	Food grade	Litre		