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| BILL OF QUANTITY OF LAB. EQUIPMENT 2024-2025 |
| **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 up to 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 | Surgical head cap |  | 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 | Polyacylmide |   |  ml |   |   |
| 74 | Sodium bicarbonate |   |  mg |   |   |
| 75 | Sodium hydroxide | Product No. 1.06466.0050 | units |   |   |
| 76 | Hydrogen peroxide 30 % H2O2 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 Alcohol |   | 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 FlEX | Product No. 1.16978.0001, Merck | Set |   |   |
| 89 | Calcium-Test for RQ FlEX | Product No. 1.16125.0001, Merck | Set |   |   |
| 90 | Potassium-Test for RQ FlEX | 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 Sieving 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 Acetic 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 (MgSO4)  |   | Kg |  |  |
| 106 | Manganese Sulphate (MnSO4) |   | Kg |  |  |
| 107 | Zinc Sulphate (ZnSO4) |   | Kg |  |  |
| 108 | Boric Acid (H3BO3) |   | Kg |  |  |
| 109 | Copper Sulphate (CuSO4) |   | Kg |  |  |
| 110 | Sodium Molybdate (Na2MoO4) |   | Kg |  |  |
| 111 | Di potassium Hydrogen Orthophosphate (K2HPO4) |   | Kg |  |  |
| 112 | Calcium Nitrate (Ca(NO3)2) |   | Kg |  |  |
| 113 | Potassium Nitrate (KNO3) | Lab grade | Kg |  |  |
| 114 | Ammonium Nitrate (NH4NH3) |   | Kg |  |  |
| 115 | Chelated Iron |   | Kg |  |  |
| 116 | Hydrogen Peroxide (H2O2) | Food grade | Litre |  |  |
| 117 | Calcium carbonate |  | No |  |  |
| 118 | Agar Powder |  | Kg |  |  |
| 119 | Glass jar with lid | 5Litr cap | No |  |  |