**UMMUSALAMA GIRLS SECONDARY**

**LABORATORY EQUIPMENT AND INSTALLATION.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount**  |
|  | Glass beakers (250ml) | 100 | pcs | 270 | 27000 |
|  | Glass beakers (borosil 100ml) | 100 | pcs | 216 | 21600 |
|  | Plastic beaker (250ml) | 100 | pcs | 204 | 20400 |
|  | Plastic beaker (100ml) | 90 | Pcs | 200 | 18000 |
|  | Plastic droppers | 250 | Pcs | 60 |  15000 |
|  | Bunsen burners portable | 30 | Pcs | 3500 | 105000 |
|  | Bunsen burners lighters | 3 | Pcs | 750 | 2,250 |
|  | Bunsen burners nipples | 50 | Pcs | 100 | 5000 |
|  | Burette clip (mouth) | 60 | Pcs | 140 | 8400 |
|  | Burette stand complete | 50 | Pcs | 3700 | 185000 |
|  | Conductivity rods (set of 4) | 5 | Pairs | 300 | 1500 |
|  | Cork bore sets | 4 | Sets | 2722 | 10,888 |
|  | Corks to fit test tubes | 50 | Pcs | 40 | 2,000 |
|  | Corks to fit boiling tubes | 20 | Pcs | 80 | 1,600 |
|  | Conical flasks (borosil) 250ml | 150 | pcs | 480 | 72000 |
|  | Cotton twine thread  | 1 | Roll | 980 | 980 |
|  | Funnels (plastic) 75 ml | 50 | Pcs | 50 | 2500 |
|  | Hand lens (plastic handle) | 125 | Pcs | 100 | 12500 |
|  | Jug graduated 1 litre | 2 | Pcs | 1520 | 3040 |
|  | Measuring cylinders plastic 10 ml | 50 | Pcs | 144 | 7200 |
|  | Measuring cylinders plastic 50 ml | 50 | Pcs | 288 | 14400 |
|  | Measuring cylinders plastic 100ml | 88 | Pcs | 399 | 35112 |
|  | Measurin cylinders plastic 2000ml | 10 | Pcs | 2400 | 24000 |
|  | Motors and pestel 4 inches | 50 | Pcs | 300 | 15000 |
|  | Petri dishes (plastics) | 50 | Pcs | 50 | 2500 |
|  | Pipette stands plastic | 50 | Pcs | 540 | 27000 |
|  | Separating funnels (60 ml) | 3 | Pcs | 800 | 2,400 |
|  | Spatula stainless | 100 | Pcs | 84 | 8400 |
|  | Scapel blades | 2 | Pkt | 1,200 | 2,400 |
|  | Spirit lamps (glass 150 ml) | 60 | Pcs | 360 | 21,600 |
|  | Wooden splints 1000 pcs | 10 | satchets | 350 | 3,500 |
|  | Stop watches | 120 | Pcs | 600 | 72,000 |
|  | Test tube holders (wooden) | 55 | Pcs | 84 | 4,620 |
|  | Volumetric flask (250ml) | 50 | Pcs | 950 | 47500 |
|  | Test tube racks plastic | 60 | Pcs | 180 | 10,800 |
|  | Test tubes 6 inches / 150mm | 350 | Pcs | 120 | 42,000 |
|  | Thermometers mercury | 60 | pcs | 216 | 12,960 |
|  | Thermometer (alcohol) | 60 | pcs | 180 | 10,800 |
|  | White tile | 55 | pcs | 48 | 2,640 |
|  | Wash bottles (500ml) | 60 | Pcs | 180 | 10,800 |
|  | Watch glasses 50 ml | 60  | Pcs | 120 | 7,200 |
|  | Wire gauze with asbestos mat | 60 | Pcs | 72 | 4320 |
|  | Rubber hose light wall | 20 | Pcs | 59 | 1,180 |
|  | Forceps (metals) | 50 | Pcs | 144 | 7,200 |
|  | Stoppered container | 150 | Pcs | 40 | 6000 |
|  | Boiling tubes | 100 | Pcs | 60 | 6000 |
|  | Reagent bottle 60ml | 100 | Pcs | 120 | 12000 |
|  | Reagent bottle 125ml | 100 | Pcs | 200 | 20000 |
|  | Reagent bottle 250 ml | 50 | Pcs | 250 | 12500 |
|  | Reagent bottle 500ml  | 50 | Pcs | 300 | 15000 |
|  | Reagent bottle 1000ml | 50 | Pcs | 400 | 20000 |
|  | Retort cflask 250ml | 100 | Pcs | 950 | 95000 |
|  | Retort flask 500ml | 20 | Pcs | 1500 | 30000 |
|  | Presevarvation bottle 500ml | 50 | Pcs | 500 | 25000 |
|  | Presevation bottle 1000ml | 30 | Pcs | 850 | 25000 |
|  | Presevation bottle 1500ml  | 50 | Pcs | 1000 | 50000 |
|  | Presevation bottle 200ml | 30 | Pcs | 1500 | 45000 |
|  | Petri dish 90ml | 100 | Pcs | 230 | 23000 |
|  | Petri dish 100ml | 100 | Pcs | 250 | 25000 |
|  | Jug graduated 2l | 20 | Pcs | 1500 | 30000 |
|  | Jug graduated 1.5l | 20 | Pcs | 950 | 19000 |
|  | Liebig condenser  | 5 | Pcs | 1500 | 7500 |
|  | Glass trough 150ml | 20 | Pcs | 750 | 15000 |
|  | Glass trough 180ml | 20 | Pcs | 850 | 17000 |
|  | Glass trough 240ml | 20 | Pcs | 1200 | 24000 |
|  | Glass trough 300ml | 20 | Pcs | 1450 | 29000 |
|  | Funnel (plastic) 50ml | 50 | Pcs | 40 | 2000 |
|  | Funnel (plastic)100ml | 100 | Pcs | 80 | 8000 |
|  | Round bottom 50ml | 50 | Pcs | 160 | 8000 |
|  | Round bottom 100ML | 50 | Pcs | 200 | 10000 |
|  | Round bottom 250ML | 50 | Pcs | 250 | 12500 |
|  | Round bottom 500ML | 50 | Pcs | 350 | 17500 |
|  | Round bottom1000ML | 25 | Pcs | 550 | 13750 |
|  | Round flat bottom flask 250ml | 50 | Pcs | 250 | 12500 |
|  | Round flat bottom flask 500ml | 50 | Pcs | 350 | 17500 |
|  | Round flat bottom flask1000ml | 25 | Pcs | 550 | 13750 |
|  | Round flat bottom flask100ml | 50 | Pcs | 200 | 10000 |
|  | Round flat bottom flask50ml | 50 | Pcs | 160 | 8000 |
|  | Fractionating column | 5 | Pcs | 1200 | 6000 |
|  | Evaporating dish | 200 | Pcs | 200 | 40000 |
|  | Density bottle | 100 | Pcs | 150 | 15000 |
|  | Density bottle 50ml | 100 | Pcs | 200 | 20000 |
|  | Wash bottle250ml | 100 | Pcs | 150 | 15000 |
|  | Thistle funnel | 100 | Pcs | 150 | 15000 |
|  | Thistle funnel with tap | 100 | Pcs | 500 | 50000 |
|  | Specimen jars | 50 | Pcs | 200 | 10000 |
|  | Separating funnel 125ml | 50 | Pcs | 550 | 27500 |
|  | Separating funnel250ml | 50 | Pcs | 650 | 32500 |
|  | Separating funnel500ml | 50 | Pcs | 750 | 37500 |
|  | Test tube brush | 100 | Pcs | 100 | 10000 |
|  | Boiling tube brush | 100 | Pcs | 120 | 12000 |
|  | Defragrating spoon with lid | 100 | Pcs | 250 | 25000 |
|  | Cruicible with lid50ml | 100 | Pcs | 200 | 20000 |
|  | Crstalising dish | 50 | Pcs | 150 | 7500 |
|  | Volumentic flask1000ml | 2 | Pcs | 2000 | 4000 |
|  | Volumentic flask2l | 5 | Pcs | 4500 | 22500 |
|  | Volumentic flask 5l | 1 | Pc | 8000 | 8000 |
|  | Measuring cylinder500ml | 4 | Pcs | 1000 | 4000 |
|  | Visking tubing | 1  | Roll | 10000 | 10000 |
|  | Microscope slide | 1 | Box | 1800 | 1810 |
|  | Laboratory installation(Gas and water) |  |  | 500,000 | 500,000 |
|  | **TOTAL** | **Kshs.2,500,000=** |