**LOT 5: Crop Science Equipment**

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| **Items descriptions** | **Specifications** | **QTY** |
| Moisture Meter | 3 pieces - Smart Grain Moisture Meter Tester I for 16 Grains, 2 pieces - AR991 Grain Moisture Meter Digital Tester | 7 |
| Solar Dryers (1 active, 1 passive) | Active Solar dryer (The GrainPro Bubble Dryer,  tunnel-type dryer), Passive solar dryer ( | 2 |
| GPS Area calculator | Garmin GPS Calculator | 2 |
| BH/TDS/Temperature Meter (for testing of soil) | 4-in-1 Soil Moisture Meter Digital Plant Temperature/Soil Moisture/pH meter | 10 |
| Pantone Munsell Soil Colour Book (test the colour of soil, richness in other minerals) | Pantone Munsell Soil Colour Book | 2 |
| Spraying Machine | 16lt knapsack sprayer | 8 |

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| Prunning shears | 8.5''Heavy Duty Garden Clippers with SK5 Steel Blade.2. Bosch Home and Garden 18 Nanoblade Cordless Saw Advancedcut, 18 Volt System,3.Bosch hedge trimmer easy cut 18-45. | 10 |
| Pruning Shears | 5 garden shears and 5 secateurs | 40 |
| Maize sheller | PTO driven sheller | 1 |
| Tensio Meter (Check the moisture of soil after irrigation) | Any brand | 2 |
| Soil Auger (Pick Soil Samples) | Any brand | 10 |
| Multi-purpose Planter | Handheld multi-purpose planter | 1 |
| Packing trays for vegetables | Heavy Duty Plastic Folding Vegetable Crates  600\*400\*300mm | 100 |
| Mist Blower | Makita PM7650H 4-Stroke Petrol Mist Blower (1.8L) Hp\_3.67,(75.6 cc) | 8 |
| Budding knives | DP345 Pruning And Budding Knife, Overall length 170mm | 29 |
| PH meter | Soil pH meter PCE - 2285 | 14 |
| EC Meter | Dedicated EC meter and TDS/Salinity metr edge R- H12003 | 7 |
| Mini Planter | Manual: Rows 1-2, Seeds: maize, cowpea, soybean; Metering mechanism adjustable. Tractor mounted; Rows:2-4; Seeds: maize, cowpea, soybean  Metering mechanism: Adjustable | 1 |
| Handheld Ferilizer Applicator | 5kg capacity veggie concept | 5 |
| Manual shears |  | 8 |
| PLANTING BARS OR AUGERS |  | 10 |
| Pole Prunners and hedge shears | 23inches Length with 9-1inches Blade Hedge Shears | 10 |
| 2.5HP Chain Saw | 2.5 Horse Power | 4 |
| Ranging Poles |  | 20 |
| Meters Shadenet | 50% Length 20/50 | 50 |
| 10ft. Galvanized Pools |  | 10 |
| Automatic Peanut Oil Pressing Machine | Extraction Expeller 304 Stainless Steel Squeezer | 1 |
| Vacuum sealer- |  | 2 |
| Corking Machine (bottle sealer) |  | 3 |
| Roll of 50% Shade net (20/50 meters) | 50% shade , rool lenth 20 by 50 meters | 2 |
| 1.5 Horse power Solar Water Pump and with 4 panels | 555-600 watt pannel (4) | 1 |
| WHEEL BARROW |  | 12 |
| SHOVEL |  | 5 |
| SPADE |  | 5 |
| PRUNING SAW |  | 45 |
| SECATEURS |  | 20 |

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| 2STROKE ENGINE MODEL | PETROL | 3 |
| Slasher | 2 stroke | 3 |
| SETS OF HANDTROWEL AND FORK | GARDEN TOOL(15 fork, 15 trowel | 30 |
| HARVESTING KNIFES/SICKEL |  | 15 |
| SURVEYORS'/ MEASURING TAPE |  | 5 |
| GPS machine | Handheld, Accuracy: ≤ 3m; Battery: ≥ 15 hrs; IP67 rated | 10 |
| MANGO GRAFTING TOOLS |  | 25 |
| MANGO PLUCKER/HARVESTER NET |  | 10 |
| SET OF MANGO PRUNNING TOOLS |  | 10 |
| MATCHET |  | 25 |
| GRAFTING TAPE | 10 bundle | 10 |
| Hand Fork | Flexrake CLA324 Classic Hand Fork | 10 |
| Motorize Axe Sharpening Stone |  | 1 |
| **Delivery Locations** | **Wenchi Agric, Ohawu Agric, Ejura Agric, Damongo, Asuansi Technical, Kwadaso Agric, Comboni Technical, Kpando Technical, Adidome Technical**  **and Fr.Dogli Technical** |  |