**Ministry of Education**

**Sector፡ Agriculture**

**Occupation: Field Crops Production Level- II**

**Consumable materials to be used for projects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Item description | Quantity | | Unit | Specification |
| 1 | Wood | 8 | | Number | Standard |
| 2 | Nail | 1 | | Kg | 8,9,10 number |
| 3 | Iron sheet | 1 | | Number | Standard |
| 1 | Plastic bag | 1 | No. | | Standard |
| 2 | Pen | 1 | No. | | Standard |
| 3 | Paper | 1 | No. | | A4 |
| 4 | Water | 6 | Litter | |  |
| 5 | Chemical | 50 | milligram | | Ridomile |
| 6 | Dry matter (grass or stock) | 5 | Kg | | Standard |
| 7 | Green matter | 3 | Kg | | Standard |
| 8 | Animal manure | 2 | Kg | | Standard |
| 9 | Soil | 2 | Kg | | Standard |
| 10 | Ash | 1 | Kg | | Standard |
| 11 | Plastic sheet | 1 | M2 | | Standard |

**Tools & Equipment/instruments to be used for projects**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | | Item description | Quantity | | | Unit | Specification | |
| 1 | | Hammer | 1 | | | Number | |  |
| 2 | | Shovel | 1 | | | Number | |  |
| 3 | | Pickaxe | 1 | | | Number | |  |
| 4 | | Meter | 1 | | | Number | |  |
| 5 | | Saw | 1 | | | Number | |  |
| 1 | | Moldboard | 1 | | | No. | standard | |
| 1 | Pegs | | | 8 | Number | | | Standard |
| 2 | Pickaxe | | | 1 | Number | | | Standard |
| 3 | Hammer | | | 1 | Number | | | Standard |
| 4 | Meter (10m) | | | 1 | Number | | | Standard |
| 5 | Shovel | | | 1 | Number | | | Standard |
| 6 | Knapsack | | | 1 | Number | | | Standard |
| 7 | PPE | | | 1 | Number | | | Standard |
| 8 | Auger | | | 1 | Number | | | Standard |
| 9 | Rake | | | 1 | Number | | | Standard |

Note: Materials and tools may be modified by the assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Consumable materials to be used for projects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Item description | Quantity | Unit | Specification |
| 1 | Wood | 8 | number | Standard |
| 2 | Nail | 1 | Kg | 8,9,10 number |
| 3 | Iron sheet | 1 | Number | Standard |
| 1 | Water | 10 | Litter |  |
| 1 | Plastic bag | 1 | No. | Standard |
| 2 | Pen | 1 | No. | Standard |
| 3 | Paper | 4 | No. | A4 |
| 4 | Water | 6 | Litter |  |
| 5 | Chemical | 0.4 | Litter | 2-4-D |
| 6 | Dry matter (grass or stock) | 5 | Kg | Standard |
| 7 | Green matter | 3 | Kg | Standard |
| 8 | Animal manure | 2 | Kg | Standard |
| 9 | Soil | 2 | Kg | Standard |
| 10 | Ash | 1 | Kg | Standard |
| 11 | Plastic sheet | 1 | M2 | Standard |

**Tools & Equipment/instruments to be used for projects**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | | Item description | Quantity | | | Unit | Specification | |
| 1 | | Hammer | 1 | | | **Number** | |  |
| 2 | | Shovel | 1 | | | **Number** | |  |
| 3 | | Pickaxe | 1 | | | **Number** | |  |
| 4 | | Meter | 1 | | | **Number** | |  |
| 5 | | Saw | 1 | | | **Number** | |  |
| 1 | | Installed Drip | 1 | | | No. | With full component | |
| 1 | Pegs | | | 8 | Number | | | Standard |
| 2 | Pickaxe | | | 1 | Number | | | Standard |
| 3 | Hammer | | | 1 | Number | | | Standard |
| 4 | Meter (10m) | | | 1 | Number | | | Standard |
| 5 | Shovel | | | 1 | Number | | | Standard |
| 6 | Knapsack | | | 1 | Number | | | Standard |
| 7 | PPE | | | 1 | Number | | | Standard |

Note: Materials and tools may be modified by the assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Materials and supplies (Consumable)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Items** | **Qty** | **Unit** | **Specification** |
| 1 | Measuring tape | 1 | pc | Having 50m length |
| 2 | Plot of land | 100 | M2 |  |
| 3 | plastic bag or container | 6 | pc |  |
| 4 | Permanent marker | 1 | pc |  |
| 5 | pointed peg | 4 | pc |  |
| 6 | Paper for lebelling | 1 | pc |  |
| 7 | Tef seed | 250 | Gram |  |
| 8 | water | 10 | liter |  |
| 9 | Diesel fuel | 10 | liter |  |
| 10 | Engine oil | 43 | liter |  |
| 18 | soap | 1 | pc | Laundry soap |

**Tools & Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Items** | **Qty** | **Unit** | **Specification** |
| 1 | Auger | 1 | pc |  |
| 2 | weighing balance | 1 | pc |  |
| 3 | shovel | 1 | pc |  |
| 4 | watering can | 1 | pc |  |
| 5 | stapler and staples | 1 | pc |  |
| 6 | Tractor | 1 | pc |  |
| 7 | Disc plough and/or disc harrow | 1 | pc |  |
| 8 | Full set of drip | 1 | pc |  |
| 9 | Puncher | 1 | pc |  |
| 10 | Cutter |  |  |  |
| 12 | Functional motor pump with its pipes | 1 | pc |  |
| 13 | Functional motorized sprayer | 1 | pc |  |
| 14 | Toolkit | 1 | Set |  |
| 15 | Chemical to be calibrated in motorized sprayer | 1 | Liter/kg |  |
| 16 | measuring cylinder | 1 | pc |  |
| 17 | hat | 1 | pc |  |
| 18 | rubber boots | 1 | pc |  |
| 19 | chemical resistant overalls | 1 | pc |  |
| 20 | face protection | 1 | pc |  |
| 21 | hand gloves | 1 | pc |  |
| 22 | goggles | 1 | pc |  |
| 23 | respirator | 1 | pc |  |

Note: Materials and tools may be modified by the assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Materials and supplies:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item description | Quantity | unit | Specification |
| 1 | Peg | 15 | pcs | As required (wooden) |
| 2 | Paper | 5 | pcs | A4 size |
| 3 | Marker | 1 | pc | As required any color |
| 4 | nail | 15 | pcs | No 6 |
| 5 | pencil | 1 | pc | HB |
| 6 | Wheat seed | 1 | kg |  |
| 7 | Fertilizer-DAP | 1 | kg |  |
| 8 | Fertilizer-Urea | 1 | kg |  |

**Tools, Instruments & Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Item description | Quantity | unit | Specification |
| 1 | String | 1 | pc | 50m |
| 2 | Meter | 1 | pc | 50m |
| 3 | Full set of drip irrigation system | 1 | set |  |
| 4 | Calculator | 1 | pc | Scientific |

Note: Materials and tools may be modified by the assessor, depending on the actual job performed, and location & the standard installation practices of the country.

**Materials and supplies (Consumable)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Items** | **Qty** | **Unit** | **Specification** |
| 1 | Plastic bag | 9 | Pcs |  |
| 2 | String | 50 | M |  |
| 3 | Pegs | 6 | Pcs |  |
| 4 | 2,4-D, Malathion, tilt, mancozeb | 4 | L |  |
| 5 | Marker | 1 | Pc |  |
| 6 | Paper | 10 | Pc |  |

**Tools & Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Items** | **Qty** | **Unit** | **Specification** |
|  | Auger | 1 | Pc |  |
|  | Meter | 1 | Pc |  |
|  | Knapsack sprayer-diaphragm type | 1 | Pc | Operational |
|  | Knapsack sprayer-piston type | 1 | pc | Operational |
|  | Deflector Nozzles | 1 | pc |  |
|  | Cone-shaped Nozzles | 1 | pc |  |
|  | Full set of drip irrigation system | 1 | set |  |
|  | Tractor | 1 | unit |  |
|  | Engine driven water pumps /diesel or petrol engine water pump/ | 1 | unit |  |

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