**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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