**Ministry of Education**

**ትምህርትሚኒስቴር**

**Occupation: Vehicle Servicing L-I**

**Tools and equipment materials to be used for projects per candidate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Item description** | **Quantity** | **Unit** | **Specification** |
| 1 | Multi-meter | 1 | pcs | Digital |
| 2 | Peak Load tester | 1 | pcs | 12-24v |
| 3 | Hydro meter | 1 | pcs | Standard |
| 4 | Battery service kit | 1 | pcs | Standard |
| 5 | Battery charger battery | 1 | pcs | 6-24v |
| 6 | Jumper cable | 1 | pcs | Standard |
| 7 | apron | 1 | pcs | Plastic(leazer) |
| 8 | Cell tester | 1 | pcs | standar |
| 9 | Eye goggle | 1 | pcs | Clear |
| 1 | Oil wrench | 1 | pcs | standard |
| 2 | Tension tester | 1 | pcs | standard |
| 3 | wrench | 1 | pcs | Box end, open |
| 4 | Socket wrench | 1 | Set | standard |
| 5 | Grinder | 1 | pcs | Bench |
| 6 | Jack | 1 | pcs | Hydraulic 10 ton |
| 7 | Stand | 4 | pcs | Standard |
| 8 | Choke | 2 | pcs | Wood/metal |
| 9 | Creeper | 1 | pcs | Wheeled |
| 10 | bidet | 1 | pcs | plastic |
| 11 | computer | 1 | pcs | Standard |
| 1 | Wheel balancer machine  with accessories | 1 | pcs | standard |
| 2 | Tire wheel removing machine | 1 | pcs | standard |
| 3 | Hammer | 1 | pcs | Rubber and metal |
| 4 | Lever | 1 | pcs | Steel |
| 5 | Compressor | 1 | pcs | standard |
| 6 | Valve remover | 1 | pcs | standard |
| 7 | Scissors | 1 | pcs | standard |
| 1 | Body repair kit | 1 | Set | standard |
| 3 | Sanding machine | 1 | pcs | ---------- |
| 4 | Compressor | 1 | pcs | standard |
| 5 | Painting gun | 1 | pcs | standard |
| 6 | Eye goggle | 1 | pcs | Clear |

**Consumable materials to be used for projects per candidate**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Item description** | **Quantity** | **Unit** | **Specification** |
| 1 | Rag | 1 | kg | -------------- |
| 2 | water | 1 | lit | Distilled |
| 3 | Gloves | l | pcs | plastic |
| 4 | Paper | l | pcs | standard |
| 5 | Marker | l | pcs | standard |
| 1 | Engine Oil | l | lit | It depend on type of engine |
| 2 | Coolants | l | lit | standard |
| 3 | Rag | l | kg | ------- |
| 4 | Gasket maker | l | pcs | standard |
| 1 | Balancing weight | l | pcs | D/f gram |
| 2 | volcanizer | l | Tin | standard |
| 3 | Tip top | l | pcs | standard |
| 4 | Sand paper | l | pcs | standard |
| 5 | Grinding disk | l | pcs | standard |
| 6 | Wire brush | l | pcs | standard |
| 1 | wax | l | pcs | standard |
| 2 | Paint | l | kg | standard |
| 3 | Sand paper | l | pcs | Depend on the task |
| 4 | Rag | l | Kg | -------- |
| 5 | Masking tape | l | pcs | Scotch |

Note: Materials and tools may be modified by the Assessor, depending on the actual job performed, and location & the standard practices of the country in the health