**Ministry of Education**

**Sector: Industry Development**

**Sub Sector: Metal Manufacturing**

**Occupation: Aluminum Work Level II**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Item description** | **Quantity** | **Unit** | **Specification** | |
| 1 | A4 paper | 2 | pcs | | Standard |
| 2 | Masking tape | 1/100 | Pcs | | Standard |
| 1 | String line | 1 | Roll | | Normal |
| 2 | Chalk line | 1/50 | Set | | Normal |
| 3 | Cotton Gloves | 1 | pair | | According to standard |
| 4 | Aluminium profile 1 | 1.5 | meter | | L profile |
| 5 | Aluminium profile 2 | 1.5 | meter | | Z profile |
| 6 | Rivet | 4 | pcs | | Diameter 8 |
| 1 | Aluminum Sheet | 01 | pcs | Thickness=1/0.8mm,dia.= 152\*152mm | |
| 2 | Solvent (caustic soda with water) | 100 | ml |  | |
| 3 | Lubricant grease | 50 | mg | Standard | |

**Non consumable materials to be used for projects per candidate**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Item description** | | **Quantity** | **Unit** | **Specification** |
|  | Set square | 1 | | pcs | standard |
| 1 | Hard hat/cap | 1 | | Piece | Standard |
| 2 | Safety glasses | 1 | | Pair | standard |
| 3 | Pop rivet pliers | 1 | | Piece | Standard |
| 4 | Screw drivers | 1 | | Piece | Standard |
| 5 | Brooms | 1 | | Piece | Normal |
| 6 | Painting Brushes | 1 | | Pcs | 1/2 Inch |
| 7 | Ear protection | 1 | | pair | According to standard |
| 8 | Wooden/steel bench | 1 | | Pcs | According to standard |
| 9 | Straight edge | 1 | | Pcs | According to standard |
| 10 | Set squares | 1 | | Pcs | According to standard |
| 11 | Portable electric drills and trumpeter / Clip machine | 1 | | Pcs | According to standard |
| 12 | Cutting saw | 1 | | Pcs | According to standard |
| 13 | Drill bit | 1 | | pcs | Diameter 8 |
| 14 | Portable circle cutting machine | 1 | | pcs | standard |
| 1 | Spinning lathe/lathe machine | | 01 | pcs | Standard |
| 2 | Mold/ disc | | 01 | pcs | As given drawing |
| 3 | Vernier caliper | | 01 | Pcs | 0-200mm |
| 4 | Measuring tape | | 01 | pcs | 3meter |
| 5 | Spinning stick | | 01 | pcs | 1meter wood/pipe dia=25mm |
| 6 | Spinning tool for lathe machine | | 01 | pcs | Standard |
| 7 | Service Plate Service Plate | | 01 | pcs | D=500mm, depth=200mm |
| 8 | Trimming or parting tool | | 01 | pcs | 10x10x3mm |