Project Name:

AATesting

Client Name:

AT

Capacity:

AT

### 1. Mechanical Screen

### Sec01: Inputs

|  |  |
| --- | --- |
| Field | Value |
| Channel Height (mm) | 1000 |
| Screen Width (mm) | 1000 |
| Belt Height (mm) | 1000 |
| Water Level (mm) | 600 |
| Bar Spacing (mm) | 25 |
| Bar Th (mm) | 10 |
| Bar Width (mm) | 50 |
| Inclination Degree (Deg) | 70 |
| Sprocket Diameter (mm) | 320 |
| Velocity (m/s) | 0.06 |
| Safety Factor | 1.5 |

### Sec02: Outputs

|  |  |
| --- | --- |
| Field | Value |
| Weight of Screen (kg) | 496.62 |
| Power Required (Wat) | 138.86 |
| Speed of motor (RPM) | 3.58 RPM. |

### 2. Manual Screen

### Sec01: Inputs

|  |  |
| --- | --- |
| Field | Value |
| Chanel Height (m) | 1.2 |
| Channel Width (m) | 0.8 |
| Water Level (m) | 0.75 |
| Water Level Margin (m) | 0.1 |
| Bar Spacing (m) | 0.025 |
| Bar Thickness (m) | 0.01 |
| Bar Width (m) | 0.025 |
| Angle | 45 |

### Sec02: Outputs

|  |  |
| --- | --- |
| Field | Value |
| Weight (KG) | 80.76 |