Project Name:

TESTING\_A\_0006

Client Name:

q

Capacity:

q

### 1. Mechanical Screen

### Sec01: Inputs

|  |  |
| --- | --- |
| Field | Value |
| Channel Height (mm) | 1111 |
| Screen Width (mm) | 1111 |
| Belt Height (mm) | 1111 |
| Water Level (mm) | 611 |
| Bar Spacing (mm) | 26 |
| Bar Th (mm) | 11 |
| 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) | 544.19 |
| Power Required (Wat) | 157.10 |
| Speed of motor (RPM) | 3.58 RPM. |

### 2. Belt Conveyor

### Sec01: Inputs

|  |  |
| --- | --- |
| Field | Value |
| Belt Length | 7111 |
| Belt Width | 811 |
| Drum Diameter | 251 |
| Friction | 0.31 |
| Velocity | 0.41 |
| Factor of Safety | 1.51 |
| Belt weight per meter | 15.1 |

### Sec02: Outputs

|  |  |
| --- | --- |
| Field | Value |
| Weight | 402.14 |
| Power | 591.99 |
| Speed | 0 |