# Project Report: test56

## Project Details

Name: test56

Client Name: test

Capacity: test

### 1. NS

### Sec01: Section 1

|  |  |
| --- | --- |
| Field | Value |
| Chanel Height (m) | 1.235 |
| Channel Width (m) | 0.845 |
| Water Level (m) | 0.7555 |
| Water Level Margin (m) | 0.165 |
| Bar Spacing (m) | 0.02575 |
| Bar Thickness (m) | 0.0185 |
| Bar Width (m) | 0.02525 |
| Angle | 455 |

### Sec02: Section 2

|  |  |
| --- | --- |
| Field | Value |
| Weight (KG) | 89.99 |

### 2. NS

### Sec01: Section 1

|  |  |
| --- | --- |
| 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: Section 2

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

### 3. Mechanical Screen

### Sec01: General Data

|  |  |
| --- | --- |
| Field | Value |
| Channel Height (mm) | 2000 |
| Screen Width (mm) | 2000 |
| Belt Height (mm) | 2000 |
| 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 |

### Sec02: Design Data

|  |  |
| --- | --- |
| Field | Value |
| Weight of Screen (kg) | 884.20 |
| Power Required (Wat) | 277.71 |
| Speed of motor (RPM) | 3.58 RPM. |