# Project Report: testing30

## Project Details

Name: testing30

Client Name: qqqq

Capacity: qqqq

### 1. Mechanical Screen

### Sec01: General Data

|  |  |
| --- | --- |
| Field | Value |
| Manufacturer | Ietos Factory |
| Service | Inlet Area |
| Fluid | Sewage |
| Operation | Automatic & Manual |
| Quantity of Units | 1 |
| Country of Origin | Egypt |

### Sec02: Design Data

|  |  |
| --- | --- |
| Field | Value |
| Type | Mechanical Coarse Screen-Multi rack |
| Channel Depth | 1500 |
| Channel Width | 400 |
| Water Depth | 600 |
| Bar Thickness | 10 |
| Bar Width | 50 |
| Bar Spacing | 25 |
| Inclination Degree | 60 |

### Sec03: Gearmotor Data

|  |  |
| --- | --- |
| Field | Value |
| Power | 0.37 |
| Power Supply | 380/3/50 |
| Driving Unit Service Factor | 2 |
| Motor Insulation Protection | IP 65 |
| Isolation / Temp. Class | Class F/B |
| Motor Brakes | Included |
| Torque limiter | Included |
| Gear Motor | Rossi/Bonfiglioli |

### Sec04: Control panel Data

|  |  |
| --- | --- |
| Field | Value |
| Voltage | 380 |
| Phase | 3 |
| Frequency | 50 |
| Insulation Protection | IP 65 |
| Panel Thickness | 2 |
| Panel Material | Coated Steel |
| Components Type | Schneider |

### Sec05: Material Data

|  |  |
| --- | --- |
| Field | Value |
| Screen Bars | Stainless Steel 316 |
| Frame | Stainless Steel 316 |
| Rack | Stainless Steel 316 |
| Rack (Teeth) | Artelon |
| Sprockets | Stainless Steel 316 |
| Dead Plate | Stainless Steel 316 |
| Chain | Stainless Steel 316 |
| Bolts & Nuts | A4 |

### Sec06: Other Data

|  |  |
| --- | --- |
| Field | Value |
| One Rack | Yes |
| Two sets of bearings | Yes |

### 2. Belt Conveyor

### Sec01: General Data

|  |  |
| --- | --- |
| Field | Value |
| Manufacturer | Ietos Factory |
| Service | Screening Area |
| Fluid | Screening Disposals |
| Operation | Automatic & Manual |
| Quantity of Units | 1 |
| Country of Origin | Egypt |

### Sec02: Design Data

|  |  |
| --- | --- |
| Field | Value |
| Width | 600 |
| Length | 3200 approx. |
| Belt Thickness | 10 |
| Mounting | Horizontal |
| Chute | Included |

### Sec03: Gearbox Data

|  |  |
| --- | --- |
| Field | Value |
| Type of drive | Gear Motor |
| Power | 0.25 |
| Power Supply | 380/3/50 |
| Driving Unit Service Factor | â‰¥ 2 |
| Motor Insulation Protection | IP 66 |
| Isolation / Temp. Class | Class F/B |
| Gear Motor | Rossi/Bonfiglioli |

### Sec04: Motor Data

|  |  |
| --- | --- |
| Field | Value |
| Frame | Hot Dip Galvanized Steel |
| Idlers | Coated Steel Unit |
| Belt | Triple-Ply Nylon Layer |
| Driving & Driven Drum Set | Coated Steel Unit |
| Belt Scrapper | Rubber |
| Bolts & Nuts | A4 |

### Sec05: Material Data

|  |  |
| --- | --- |
| Field | Value |
| 1. One set of bearing | Yes |
| 2. Five rollers with accessories | Yes |
| 3. One set of bearing for motor | Yes |