



Project Name:

testing

Client Name:

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Capacity:

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## 1. Manual Screen

### Sec01: General Data

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

### Sec02: Design Data

Field	Value
Type	Bar Coarse Screen
Channel Depth	1500
Channel Width	400
Water Level	600
Bar Thickness	12
Bar Width	50
Bar Spacing	25
Inclination Degree	60°
Hand Rack Qty	2

### Sec03: Material Data

Field	Value
Frame	Stainless Steel 316
Bars	Stainless Steel 316

Rake Tube	Stainless Steel 316
Rake Plate	Stainless Steel 316
Bolts & Nuts	A4

## 2. Gritremoval

### Sec01: General Data

Field	Value
Manufacturer	Ietos Factory
Service	Grit & Grease Removal Tank
No of Channels per Bridge	One Channel
Fluid	Sewage
Operation	Automatic & Manual
Quantity of Units	1
Country of Origin	Egypt

### Sec02: Design Data

Field	Value
Type	Longitudinal Scraper Bridge
Channel Length	7500
Channel Depth	3190
Channel Width	2500
Water Depth	2000
Bridge Length	2900 approx.
Walkway Width	750
Handrail Height	1000
Side Plate (Safety)	100
Scraper Height	300

### Sec03: Walkway, Handrail, Wheel Data

Field	Value
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Drive Wheel Quantity	4
Drive Wheel Diameter	Acc. To Design
Drive Wheel Material	Polyurethane Coated Carbon Steel 37

#### Sec04: Scraper Data

Field	Value
Power	0.37
Power Supply	380 /3 /50
Driving Unit Service Factor	â‰¥ 2
Motor Insulation Protection	IP66
Isolation / Temp. Class	Class F/B
Gear Motor	Rossi/Bonfiglioli

#### Sec05: Gearmotor Data

Field	Value
Power	0.18
Power Supply	380 /3 /50
Driving Unit Service Factor	â‰¥ 2
Motor Insulation Protection	IP65
Isolation / Temp. Class	Class F/B
Motor Brakes	Included
Gear Motor	Rossi/Bonfiglioli

#### Sec06: Scraper Data

Field	Value
Voltage	380
Phase	3
Frequency	50

Insulation Protection	IP 54
Panel Thickness	2
Panel Material	Coated Steel
Components Type	Schneider

### Sec07: Drive unit

Field	Value
Bridge structure	Hot dip galvanized steel 37
Grating	Hot dip galvanized steel 37
Hand railing	Hot dip galvanized steel 37
End carriage	Hot dip galvanized steel 37
Surface scraper	Stainless Steel 316
Bottom scraper	Stainless Steel 316
Scraper Support	Stainless Steel 316
Wearing Strips for Scraper	Rubber
Bolts & Nuts	A4

### Sec08: Control panel Data

Field	Value
1. Two complete bottom scrapers for grit	Yes
2. Two complete scrapers for oil	Yes
3. Four wheels with Rubber tires	Yes
4. Two sets of bearings	Yes

### 3. Primary Sedimentation Tank

#### Sec01:

Field	Value
Manufacturer	Ietos Factory
Service	Final Settling Tank
Fluid	Sewage
Operation	Automatic & Manual
Quantity of Units	1
Country of Origin	Egypt

#### Sec02:

Field	Value
Type	Rotatory Half Scraper Bridge
Tank Diameter	24
Side Wall Depth	4320
Water depth	3500
Bridge length	14.5 approx.
Handrail Height	1000
Walkway Width	750
Side Plate	100
Sludge Scraper Height	300
Scraper Thickness	4

#### Sec03:

Field	Value
Drive Wheel Quantity	2

Drive Wheel Diameter	400
Drive Wheel Material	Cast mild steel covered by polyurethane layer

#### Sec04:

Field	Value
Weir Type	V-Notch
Weir Length	75.4 Approx.
Weir Height	300
Weir Thickness	4
Weir Adjustable Height	100
Rubber Sealing Thickness	â‰¥ 4
Baffle Height	250
Baffle Thickness	4

#### Sec05:

Field	Value
Power	1.1
Power Supply	380 /3/50
Driving Unit Service Factor	â‰¥ 2
Motor Insulation Protection	IP66
Isolation / Temp. Class	Class F/B
Torque Limiter	Included
Gear Motor	Rossi/Bonfiglioli

#### Sec06:

Field	Value
No. of Rings	14
Origin	Europe



## Sec07:

Field	Value
Voltage	380
Phase	3
Frequency	50
Insulation Protection	IP 54
Panel Thickness	2
Panel Material	Coated Steel
Components Type	Schneider

## Sec08:

Field	Value
Bridge structure	Hot dip galvanized steel.37
Hand rail	Hot dip galvanized steel.37
End carriage	Hot dip galvanized steel.37
Bottom scraper	Stainless Steel 304
Surface scraper	Stainless Steel 304
Scum Box	Stainless Steel 304
Weir	Stainless Steel 304
Wearing Strips for Scraper	Rubber
Bolts & Nuts	A2

## 4. Thickener

### Sec01:

Field	Value
Manufacturer	Ietos Factory
Service	Sludge Thickener Tank
Fluid	Sewage
Operation	Automatic & Manual
Quantity of Units	1

### Sec02:

Field	Value
Type	Fixed Concrete Bridge
Tank Inner Diameter	9500
Side Wall Depth	3500
Water Level	3000
Number of Arms	3 arms
Scraper Height	¥ 250
Scraper Thickness	¥ 4
Cleaning Brushes	Included

### Sec03:

Field	Value
Weir Type	V-Notch
Weir Length	29.9 approx.
Weir Height	300
Weir Thickness	4

Rubber Sealing Thickness	â‰¥ 4
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#### Sec04:

Field	Value
Power	0.37
Power Supply	380 /3/50
Driving Unit Service Factor	â‰¥ 2
Motor Insulation Protection	IP66
Isolation / Temp. Class	Class F/B
Torque Limiter	Included
Gear Motor	Rossi/Bonfiglioli

#### Sec05:

Field	Value
Voltage	380
Phase	3
Frequency	50
Insulation Protection	IP 54
Panel Thickness	2
Panel Material	Coated Steel
Components Type	Schneider

#### Sec06:

Field	Value
Bridge structure	Concrete
Rotating shaft	Stainless Steel 304
Picket fence	Stainless Steel 304
Supporting arms	Stainless Steel 304

Weir	Stainless Steel 304
Bottom scraper	Stainless Steel 304
Scraper Strips	Rubber
Diffusion Drum	Stainless Steel 304
Drive Unit	Hot dip galvanized steel 37
Bolts & Nuts	A2

## 5. Telescopic Valve

### Sec01:

Field	Value
Manufacturer	Ietos Factory
Fluid	Sewage
Service	Final Settling Tank
Operation	Actuated (Modulated)
Qty	1
Country of Origin	Egypt

### Sec02:

Field	Value
Valve Diameter	DN 400
Sliding Tube Diameter	DN 350
Adjustable Height	1000

### Sec03:

Field	Value
Body	Stainless steel 304
Sliding tube	Stainless steel 304
Stem	Stainless steel 304
Sealing	Rubber
Hand wheel	Cast iron
Bolts	A2



## 6. Quick Valve



## **7. Rectangular Tanks**



## 8. TESTING





## **9. Wall Penstocks**

## 10. 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

## **11. Basket screens**

## 12. 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	1.2
Motor Insulation Protection	IP 66
Isolation / Temp. Class	Class F/B

Gear Motor	Rossi/Bonfiglioli
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#### 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 Scraper	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

## **13. Screw Conveyor**



## 14. Sand Silo

### Sec01:

Field	Value
Manufacturer	Ietos Factory
Service	Collecting & removing sand from grit removal tank
Fluid	Sand & water
Operation	Manual
Quantity of Units	2

### Sec02:

Field	Value
Capacity	3
Tank Diameter	1750
Cylindrical Shell Vertical Height	1500
Thickness	6
Quick Shutoff Gate Valve	Included

### Sec03:

Field	Value
Silo Tank	Epoxy Coated Steel
Discharge Hopper	Epoxy Coated Steel
Silo Legs	Epoxy Coated Steel
Hand rail	Epoxy Coated Steel
Ladder	Epoxy Coated Steel
Anchor Bolts	Epoxy Coated Steel

## 15. Container

### Sec01: General Data

Field	Value
Manufacturer	Ietos Factory
Service	Screening Area/GRC Area
Fluid	Screenings disposal & Grit
Qty	2
Operation	Manual
Country of Origin	Egypt

### Sec02: Design Data

Field	Value
Capacity	2
Thickness	6
Accessories	2 Rear Swivel castors with brakes
Length	1700
Width	1500
Height	900
Cover	Included

### Sec03: Material Data

Field	Value
Container Body	Epoxy Coated Steel
Cover	Epoxy Coated Steel
Wheels	Steel Wheels covered with polyurethane



## 16. Circular Tanks

## **17. Channel Penstocks**



## **18. Rectangular Mixers**