



# Z.C.E

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

*EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying*

## Project Report: Mohey-Eldeen

### Project Details

Name: Mohey-Eldeen

Client Name: ahmed1234

Capacity: aaaaaa1234



# Z.C.E

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying

## 1. Mechanical Screen

### Sec01: General Data

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

### Sec02: Design Data

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



# Z.C.E

EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

## 2. Manual Screen

### Sec01: General Data

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: Design Data

Field	Value
Weight (KG)	80.76



# Z.C.E

EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

## 3. Belt Conveyor

### Sec01: General Data

Field	Value
Belt Length	7000
Belt Width	800
Drum Diameter	250
Friction	0.3
Velocity	0.4
Factor of Safety	1.5
Belt weight per meter	15

### Sec02: Design Data

Field	Value
Weight	396.33
Power	539.14
Speed	0