



# Z.C.E

شركة الزهراء  
للمقاولات الهندسية  
والتوريدات

*EIZAHRAA FOR ENGINEERING CONTRACTING AND Supplying*

## Project Report: ProjQQQQQQQQQ

### Project Details

Project Name:

ProjQQQQQQQQQ

Client Name:

qq

Capacity:

qq



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## 1. Belt Conveyor

### Sec01: Inputs

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: Outputs

Field	Value
Weight	396.33
Power	539.14
Speed	0



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## 2. Gritremoval

### Sec01: Inputs

Field	Value
N of Channels	2
Channel Width	2.5
Civil Width	0.4
Bridge Length	6
Wheel Diameter	0.25
Friction	0.3
Velocity	0.05
Safety Factor	1.5

### Sec02: Outputs

Field	Value
Weight Total (kg)	1956.00
Driving Power (kW)	628.71
Driving Motor Speed (rpm)	3.82
Weight steel	1256.00
Weight St.St	700.00
Lifting Power (kW)	282.60



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## 3. Primary Sedimentation

### Sec01: Inputs

Field	Value
Walkway Length	10
Friction Coefficient	0.3
Velocity (m/s)	0.05
FOS	1.5

### Sec02: Outputs

Field	Value
Total Weight (kg)	2580.0
Power Required (kW)	725.625
Motor Speed (rpm)	0
Steel Weight (kg)	1800.0
St.St. Weight (kg)	780.0