Project Name:

TESTING_A_0006

Client Name:

q

Capacity:

q

1. Mechanical Screen

Sec01: Inputs

Field	Value
Channel Height (mm)	1111
Screen Width (mm)	1111
Belt Height (mm)	1111
Water Level (mm)	611
Bar Spacing (mm)	26
Bar Th (mm)	11
Bar Width (mm)	50
Inclination Degree (Deg)	70
Sprocket Diameter (mm)	320
Velocity (m/s)	0.06
Safety Factor	1.5

Sec02: Outputs

Field	Value
Weight of Screen (kg)	544.19
Power Required (Wat)	157.10
Speed of motor (RPM)	3.58 RPM.

2. Belt Conveyor

Sec01: Inputs

Field	Value
Belt Length	7111
Belt Width	811
Drum Diameter	251
Friction	0.31
Velocity	0.41
Factor of Safety	1.51
Belt weight per meter	15.1

Sec02: Outputs

Field	Value
Weight	402.14
Power	591.99
Speed	0