



Project Name:

TestingA2

Client Name:

q

Capacity:

q

1. Manual Screen

Sec01: Inputs

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: Outputs

Field	Value
Weight (KG)	80.76

2. Basket screens

Sec01: Inputs

Field	Value
Bar Diameter (mm)	50
Bar Spacing (mm)	50
Screen Height (mm)	2200
Screen Width (mm)	1400
Screen Length (mm)	1000
Plate Thickness (mm)	32

Sec02: Outputs

Field	Value
Bars Weight (KG)	1063.07
Plate Weight (KG)	334.91
Total Weight (KG)	1732.89

3. Mechanical Screen

Sec01: Inputs

Field	Value
Channel Height (mm)	3000
Screen Width (mm)	5000
Belt Height (mm)	6000
Water Level (mm)	13500
Bar Spacing (mm)	920
Bar Th (mm)	30
Bar Width (mm)	410
Inclination Degree (Deg)	50
Sprocket Diameter (mm)	360
Velocity (m/s)	0.5
Safety Factor	3

Sec02: Outputs

Field	Value
Weight of Screen (kg)	8616.46
Power Required (Wat)	260357.14
Speed of motor (RPM)	26.54 RPM.