

Questionnaire Solar Thermal System



Address, Location, Operator, Participating Assembly Sections

Company Name: _____ Contact: _____

Street: _____ City: _____

Zip Code: _____ Country: _____

Tel.: _____ Mobile: _____

Fax: _____ E-Mail: _____

Location Constr. Site: Industry Park City Countryside

Customer Requirements

Hot Water Demand _____ m³ Per Day Per Week Per Month
(approx.):

Required Temp.: _____ °C Inlet Temp.: _____ °C

Water Characteristics

Special Requirements on the Process Water? yes no
if yes: _____

Quality of Fresh Water: Excellent Quality Moderate Quality: _____
(contaminated by *lime, iron, pH ...*)

Existing Hot Water System

Boiler Brand: _____ Boiler Age: _____

Fuel Type: Coal (Lignite) Coking Coal Fuel-Oil (Heavy)
 Rice Husks Other: _____

Fuel Consumption: _____ l per hour or day

Fuel Price: _____ USD/_____ (to, kg, m³, l)

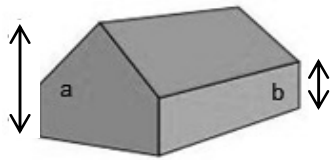
Water Tanks: _____ m³

Demand per Day: from _____ to _____ (e.g. 6:00 am to 8:00 pm)

Demand per Week: from _____ to _____ (e.g. Monday to Saturday)

Demand per Year: from _____ to _____ (e.g. January to September)

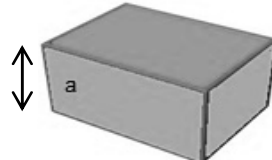
Roof Specifications



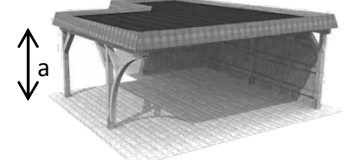
Pitch Roof



Pent Roof



Flat Roof



Carport

please provide pictures of the roof additionally

Available Roof Area: Length: _____ m

Width: _____ m

Roof Pitch (r): _____ °

Eaves Height (b): _____ m

Ridge Height (a): _____ m

Obstacles in Roof Sections:

Flue



Antenna



Lightning Conductor



Roof Window



Dormer



Other: _____

if available, please document as good as possible (numbers, dimensions etc.)

Roofing:

Fiber Concrete

Bitumen

Trapezoidal Sheet

Foil

Standing Seam

Other: _____

please provide pictures of the roofing additionally

Shading in the Middle: yes

no

Useful Documents

Construction Plans:

Site Map

Ground Plan

Roof Plan

Side View

Sectional Drawing

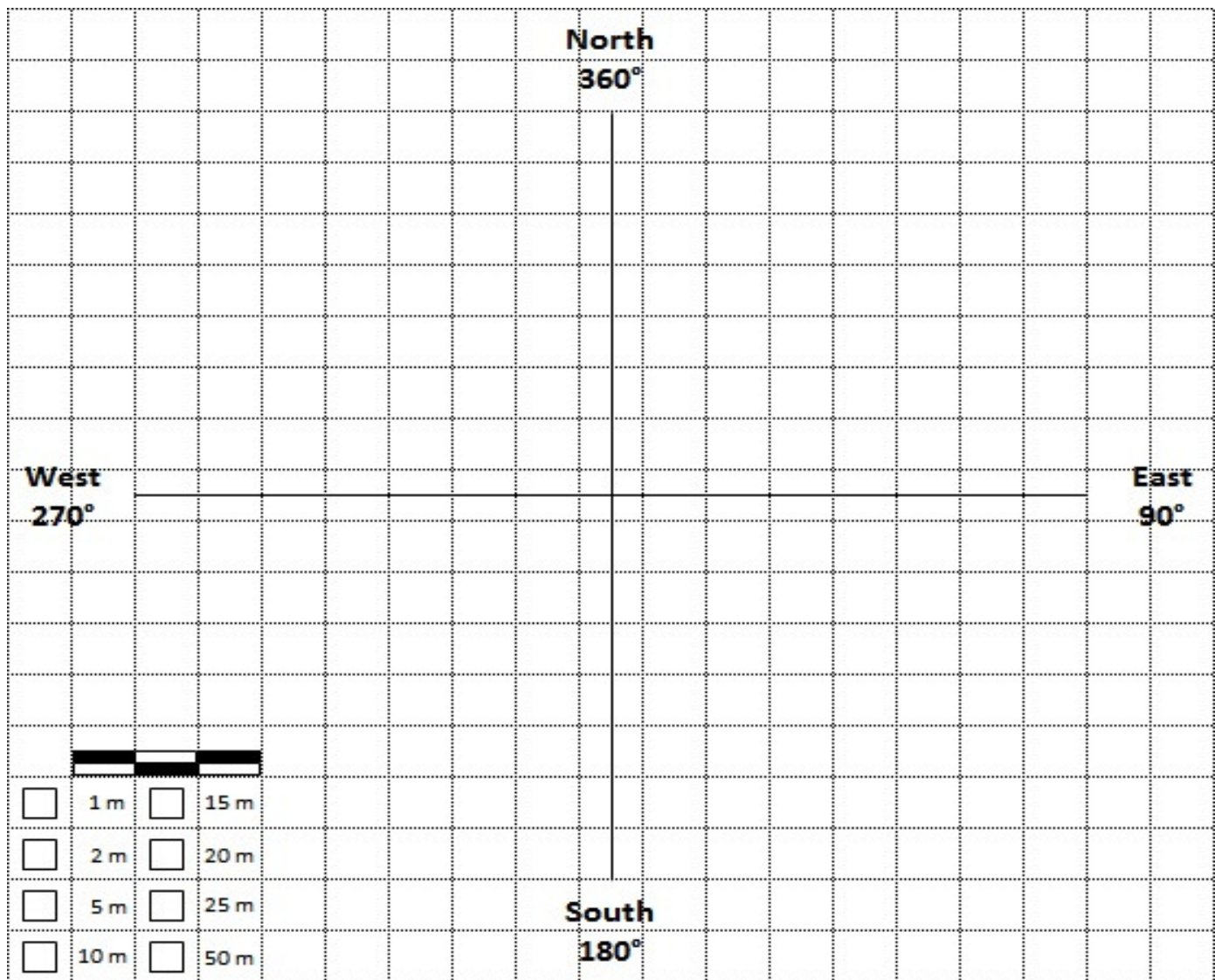
Photographs:

Roof

Building View

Relevant Clouding Situation

Check List for Clouding



Useful to draw:

- ▶ Building
- ▶ Roof Area (please consider orientation)
- ▶ ST Utilization Area
- ▶ Shading Trees and other Buildings, close to the Building
- ▶ Location of Existing Hot Water Tank

Identification of Objects/Caption:

- | | |
|----|------------------------|
| ST | Utilizable Area for ST |
| F | Flue |
| W | Roof Window |
| T | Tree |
| A | Antenna |
| C | Chimney |