



Gensol Oman's Solar On Line Assessment Report (GO SOLAR) Tool

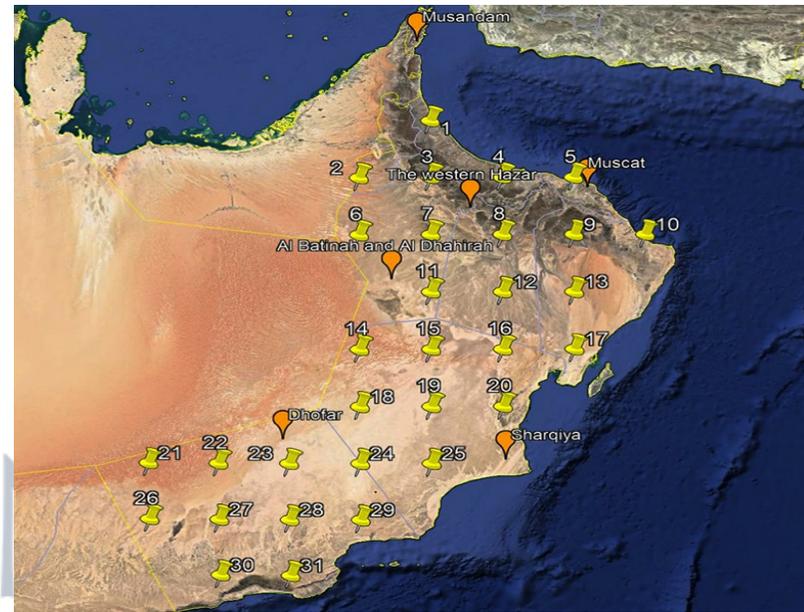
I'd like to call my site as **Salalah**, My Property type is **Industrial**, Which is connected to **Distribution**, It has a connected load of **100** kW, My yearly Consumption **1294000** kW, My applicable Tariff as per current regulations is **Cost Relative Tariff**, My property is in solar zone no **30**, Proposed solar capacity **80** kW, New Connected Load is **100** kW.

YOUR INPUTS

Project Site Name	Salalah				Choose Category	Industrial						
Yearly Consumption	1294000			kWh	Tariff Applicable	Cost Relative Tariff						
Connected Load	100			kW	Connected To	Distribution						
Current Monthly Consumption Pattern (kWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	93000	84000	93000	90000	139500	135000	139500	124000	120000	93000	90000	93000

SOLAR PROJECT

Solar Capacity Planned	80	kW
New Connected Load	100	kW
Solar Project Cost	0.7	OMR / Wp
Total Project Cost	56000	OMR
Project Location	30	ZONE
Global Horizontal Irradiation (GHI)	2292	kWh/m2 /year



Global Horizontal Irradiation (GHI) (kWh/m2/month)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	166	166	202	216	226	201	189	211	192	196	168	160

Expected Solar Yield	148895	kWh / year
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Expected Solar Yield Monthly Spread (kWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	10444	11016	13105	13949	14463	12914	12343	13759	12476	12737	11035	10654

PERMITTED TARIFF

PERMITTED TARIFF
APPLICABLE (OMR/kWh)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	0	0	0	0	0	0	0	0

Savings From Solar Project
Under Permitted Tariff
(OMR/Month)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	0	0	0	0	0	0	0	0



CRT CONCEPT

TARIFF SLAB	OFF PEAK	DAY PEAK	OFF PEAK	NIGHT PEAK
TIME OF DAY	2 AM to 8AM	8AM to 1PM	1PM to 5PM 5PM to 11PM	11PM to 2AM
SOLAR GENERATION	No Generation	SOLAR GENERATION HOURS		No Generation

CRT APPLICABLE

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bulk Supply Charges (OMR)	1116.11	1008.1	1116.11	1260.13	4845.41	4689.1	4845.41	2440.89	2362.15	1302.13	1080.11	1116.11
Transmission Charges	104.67	104.67	104.67	104.67	104.67	104.67	104.67	104.67	104.67	104.67	104.67	104.67
Distribution Charges (OMR)	651	588	651	630	976.5	945	976.5	868	840	651	630	651
Supply Charges (OMR)	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
Toal Charges (OMR)	1875.94	1704.93	1875.94	1998.96	5930.74	5742.94	5930.74	3417.72	3310.99	2061.96	1818.94	1875.94
Toal Charges (OMR) / kWh	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02

SAVINGS UNDER CRT

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bulk Supply Charges (OMR)	125.35	132.2	157.27	195.31	502.38	448.57	428.72	270.84	245.59	178.33	132.43	127.86
Transmission Charges	0	0	0	0	0	0	0	0	0	0	0	0
Distribution Charges (OMR)	73.11	77.11	91.73	97.64	101.24	90.4	86.4	96.31	87.33	89.16	77.24	74.58
Supply Charges (OMR)	0	0	0	0	0	0	0	0	0	0	0	0
Toal Charges (OMR)	198.46	209.31	249.01	292.95	603.62	538.97	515.12	367.15	332.92	267.48	209.68	202.44
Toal Charges (OMR) / kWh	0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.03	0.03	0.02	0.02	0.02

YEARLY SAVINGS

3987.1

OMR

TARIFF APPLICABLE

14.05

Years

CRT TO PERMITTED TARIFF SWITCH SCENARIO

Post Solar Monthly Consumption Pattern (kWh)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	82556	72984	79895	76051	125037	122086	127157	110241	107524	80263	78965	82346
YEARLY CONSUMPTION	1145104.76						OMR					
TARIFF APPLICABLE	Cost Relative Tariff											

Assumptions considered for generation tool:

- (1) **Database used:** Meteonorm
- (2) **Specification of Materials:** All materials considered as Tier-1 Make
- (3) **Type of System:** Rooftop- Flat Roof System
- (4) **Assumption on Costing:** O&M cost for first year has been included

