SiTecno
ENERGY - EFFICIENCY - INNOVATION

Standard survey form for PV solar energy project

Please fill the following information as much as possible.
This will help to prepare a complete solar PV solution according to your requirement and existing electrical installation.

100	General data:	
101	Project name	
102	Customer	
103	Contact person	
104	Telephone	
105	E-mail	
106	Industry/Application	
107	Expected date of installation	
108	Required solar PV solution:	

- ☐ ongrid
- ☐ off grid with batteries
- ☐ hybrid with batteries and grid
- ☐ hybrid with generator and grid
- ☐ hybrid with batteries and generator
- ☐ hybrid with batteries, generator and grid

200	Location data:	
201	Address	
202	City and country	
203	Latitude/Longitude/Altitude	

300	Electrical data:				
301	Grid Configuration	☐ 1 phase	☐ 3 phase	☐ 3phase with MV distribution	
302	Low voltage level		V		
303	Medium voltage level		KV	☐ MV transformer on site	
304	Nominal frequency		Hz		

400	Load data/Consumption			
401	Average load		kW per hour	
402	Minimum load		kW per hour	
403	Maximum load		kW per hour	
404	Annual consumption		kWh	
405	Average consumption in day		kWh	in night kWh
406	Load per hour in kW *(if data is available)*			

0-1h		6-7h		12-13h		18-19h	
1-2h		7-8h		13-14h		19-20h	
2-3h		8-9h		14-15h		20-21h	
3-4h		9-10h		15-16h		21-22h	
4-5h		10-11h		16-17h		22-23h	
5-6h		11-12h		17-18h		23-24h	

407	Seasonal variation	☐ Yes	☐ No
408	Minimum load (off-season)		kW
409	Maximum load (off-season)		kW

500	**Genset configuration** (only fill if using generator and intends to hybrid with PV system)
501	Fuel type: ☐ Diesel generator ☐ Gas generator ☐ Steam turbine ☐ Furnace oil generator
502	Generator information

Model				
Manufacturer				
Quantity (units)				
Power rating (KVA)				
Fuel consumption (L per hour)				
Fuel cost (per litre)				

503	Annual fuel consumption (litres)			
504	General controller information			
	Manufacturer	Model	Modem/TCP interface	
Overload plant controller available		☐ Yes	☐ No	
Genset power management	☐ manual	☐ relative PM %	☐ time controlled	
	☐ Other:			
505	Genset control type	☐ isochronous	☐ droop controlled	☐ unknown
506	Genset status	☐ in operation	☐ not yet installed	

600	**Economics:**		
601	Currency		
602	Grid electricity cost		per kWh
603	Average electricity cost with fuel		per kWh
604	Estimated annual fuel price increase		%
605	Estimated annual grid electricity price increase		%
606	Operational and maintenance expenditure of electricity cost		%

700	**Additional information:**			
701	Permanent internet connection on site	☐ yes	☐ no	
702	Free available space (M^2)		on roof	on ground
703	Type of roof	☐ inclined	☐ plane	
704	Tilt (º)			
705	Please attached the following documents if available:			

- ☐ Copy of electrical bill.
- ☐ Single line diagram of electrical distribution.
- ☐ Data sheet generator.
- ☐ Simple site map sketch.

706 Additional instructions:

707 Information provided by:

Name	
Company name	
Designation	
Contact number	
E-mail	
Date	