PROVISION OF SERVICES FOR A FEASIBILITY STUDY ON SOLAR ENERGY SYSTEM FOR A COCONUT PROCESSING FACTORY IN PAPUA NEW GUINEA

Tenderer's questions:

Questions:

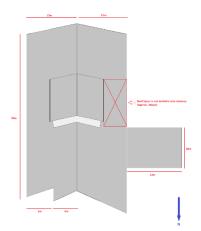
- 1. Please provide more information on:
 - Proposed site layout
 - Historical electricity load profile and forecasts
 - Existing site electrical line diagrams
 - Existing generator spec (size in kVA, type, age, and heat rate if possible)
 - Fuel storage facilities

Response:

- Roof space: Approx. 1250 sqm of roof space on main building + adjoining roof (See Diagram
 a)
- You tube video of roof: https://www.youtube.com/watch?v=gZIZqVKSyzk
- Proposed site layout cover all available, strong, sunny roof area with Solar PV. (Diagram's a & b)
- Historical electricity load profile and forecasts not available.
- Existing site electrical line diagrams not available.
- Existing generator spec (size in kVA, type, age, and heat rate if possible) see Diagram c.
 Generator could benefit from being about 40% larger to meet peak load currently have to alternate the expelling and soap making machinery.
- Fuel storage facilities 3000L diesel tank onsite.
- Electricity consumption is around 5067 kWh per month
- Generator fuel consumption per month is 615 litres

Diagrams:

a. Roof space



b. Aerial View of the Factory



c. Generator capacity

