Project Name: PHC IA & RA Power Improvement

Demand:
Project:

BACKGROUND

With our drive for respect for nature and with the current high cost involved in providing power o the IA and RA largely caused by the dwindling reliability of gas supply to SCPP for power generation and the economically unsustainable cost in operating our diesel generator sets as a primary backup, it has become pertinent that we look forward into renewable and cheaper source of energy as an alternative/supplementary source of power for Shell IA and RA.

OBJECTIVES

Use Solar generated electricity and power from grid as peak-shaving and supplementary sources to SCPP.

The forecasted plan is to

- install a total of 7MW peak Solar system in IA to serve both IA and RA.
- Procure power directly from a GenCo.

BENEFITS

- Reduced dependence on Diesel and its inherent operational risks
- Lower cost of power
- Less power supply interruptions
- Less carbon footprint

SCOPE

- Provide solar power to PHC IA and RA using installed solar panels in IA
- Provide power to SCPP using installed cables to TCN

DELIVERABLES

- Technical Analysis – critical load sizing
- Economic Analysis – viability of solar choice/combination/configuration
- Vendor selection based on proposed scopes
- Price agreement with GenCO
- Installation of HV transmission lines from IA to TCN

COST SAVING

- Potential Other income L3 estimate USD 300,000

ASSUMPTIONS

Assumptions:

- SCIN LT support
- RE management support

Risks:

- Project delays,
- Poor scoping and project delivery

KEY ACTIVITIES

- Site visits by vendors for inspections
- Contract definition, tendering and awarding
- Project execution
- Maintenance of installed facility

TEAM / STAKEHOLDERS

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