



Ministry of Federal Affairs and Local Development

Local Governance and Community Development Program, LGCDP-II

Hybrid Power Backup System Specification for LGCDP Authorization (budget head - 26312), 2071

Item	Unit	Quantity
3.5KVA/48V "Pure Sine Wave" UPS	nos	1
200AH/12V Tubular Battery	nos	4
180W Solar Panel	nos	4
45A/48V Solar Charge Controller	nos	1
16mm Cable	meter	20
Stand	nos	4

* Vendor with warranty is recommended

Note:

The system is capable of supporting load of approximately 2700 watt for 3 hrs with fully charged batteries. The batteries will be charged 50% from solar panels and 50% from the national grid.

* Average laptop power consumption: 70 watt

* Average desktop power consumption: 250 watt (maximum)

* Average laser printer power consumption: 700 watt (while printing)

* Average inkjet printer power consumption: 100 watt (while printing)

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