EPC. Engineering, Procurement and Construction.

- Sourcing
- Construction Program
- Suppliers & Quotes
- Payment Schedule
- Contract for goods or services
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### Suppliers

- **Enphase Inverters**
  - Enphase M215 Micro Inverter > MC4, 215 Watt
  - Enphase M215-60-2LI-522
  - 17 $168 $2,856

- **Wiley Electronics WEED**
  - for enphase to ironridge
  - WEED-DMC
  - 17 $2 $26

- **Enphase Energy Management Unit (EMU)**
  - ENPHASE-EMU
  - Custom
  - 22 $25 $550

- **Enphase Watertight Sealing Cap only 10**
  - ET-SEAL
  - 10 $3 $28

- **Enphase ET-DISC-05 > Engage Disconnect Tool**
  - ET-DISC-05
  - 5 $6 $28

- **Enphase ET-TERM-10 > Engage Branch Terminator**
  - ET-TERM-10
  - 1 $20 $20

- **UV protected zip ties**
  - ? $10 $10

### Iron Ridge Rack

- **Rail, XRL at 144" (12 Feet), Clear**
  - 51-6000-144A
  - 12 $33 $395

- **4-pack Mid Clamp (D) 2.25" Mill**
  - 29-7000-101
  - 7 $6 $43

- **4-pack End Clamp (D) 1.60" Mill**
  - 29-7000-180
  - 3 $9 $28

- **4-pack Adjustable L-Foot Mill**
  - 29-7000-017
  - 6 $14 $83

- **Kit, Splice XRL, MILL**
  - 29-7000-000
  - 6 $5 $32

- **WEED Bonding Jumper**
  - 29-4000-003
  - 0 $8 $-

- **WEED Compression Clip**
  - 29-4000-001/WEED
  - 28 $1 $35

- **WEED Grounding Lug**
  - 29-4000-002
  - 12 $4 $54

- **QuickMount PV Flashing Composition Mounts, 12" QMSCA**
  - 24 $25 $600

### NEC Compliant Labels:

- **Dual Power Sources**
  - 3 $1 $3

- **PV Safety Label: CAUTION SOLAR CIRCUIT**
  - 1 $18 $13

- **Tyco NEC Compliant Label: Solar Disconnect**
  - 1 $2 $2

- **Square D DU221RB General Duty NON Fusible Safet DU221RB**
  - 1 $57 $57

- **Square D Ground Kit**
  - Pkg1gta1
  - 1 $6 $6

- **Milbank 200-Amp Ring Meter Socket**
  - 1005347
  - 1 $43 $43

- **GE Q-Line THQP 20-Amp Double-Pole Circuit Break THQP220**
  - 1 $9 $9

### Misc. electrical/roofing supplies and shipping not included

- **Materials Total**
  - $12,632

- **Price per KW**
  - $3.08
Dear [supplier / contractor],

We have started the procurement process for a power plant in [location/area] to provide 24/7 uninterrupted power to a farming complex which is not connected to the grid. The total consumption has been estimated to be 253 kWh per day, with an autonomy of 3 days, calling for a total storage capacity of 880 kWh. The main power source will be Solar PV, with an installed capacity of 198 kWp.

The Solar PV subsystem will provide power to the storage bank, which will deliver constant stable power to the facilities, while a diesel generator of 300 kVA will be connected to the power management unit and available as backup.

The power will be delivered to the facilities buildings in low voltage under trenching, while the Solar panels will be ground mounted in a single field within the facilities perimeter.

The plant design adheres to all applicable IEC regulations, IEC H&S applicable standards and National Grid Code, therefore all components and works shall meet those requirements and certifications. All required permits have been granted. Standard IEC and related environmental practices shall be followed on all works, including logistics and site deliveries.

This procurement stage will finish [P-date] and the site mobilization is scheduled for [M-date], while the commissioning is scheduled for [C-date], providing an overall duration of [days] working days.

The contracting will be done according to FIDIC standards and bankable performance warranties will be required. Payment schedule based on milestones completion, to be defined with the awarded [supplier / contractor],

We hereby, request your detailed quote, BoM (Bill of Materials) and delivery [and installation] schedule for the following components [and services]:

Panel field of 198 kWp in 330 Wp panels (600 panels in total) with proposed layout in landscape with 4 panels in height and 50 panels wide, forming 3 tables. Distance between tables is 4 mt. Panels measure 1 mt by 2 mt, weighting 24 kg each.

Tilt shall be 5 deg. North.

All components and materials must be cut to measure and drilled in factory prior to HDG and/or coating/galvanizing.

Ground mounting structures for mechanical pile-in, with main supporting pillars in factory HDG with a minimum coating of 90 microns.

Tables to be continuous over the whole width.

Panel supporting beams in Aluminum 6005 A T6.

Panel clamps in AL 6005 A T6, with antitheft screws.

All nuts and bolts of SST and self locking.

Isolating washers between HDG and AL components.

Mounting system to adequate for DC cabling along the structure.

Inverter mounting under the panels in H frame of the same HDG or AL material. Inverter weight 70 kg.

Delivery on site, installation and assembly.
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