

PROPOSAL

Presented To:

ABA Express

for

Solar Turbine Genset Equipment

Prepared By



Proposal No. 709-2866

October 30, 2009

**This document is privileged and contains confidential information intended for use only by
ABA Express.**

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1.0 Introduction

ProEnergy Services (“ProEnergy”) is pleased to provide this proposal to ABA Express for one (1) Solar Mars 100 Turbine Genset and two (2) Solar Centaur 40 Turbine Gensets.

The Solar Gensets have been engineered for very high reliability and durability as well as ease of maintenance.

2.0 Turbine Genset Scope of Supply

We are offering one (1) Solar Mars 100 and two (2) Solar Centaur 40 Turbine Gensets which includes the following scope of supply:

2.1 Solar Mars 100 Specifications and Scope

- 10,685 kw, 10,513 btu/kwh
- Manufactured by Solar 2001
- Never placed into service
- So-Lo-NOx dry low NOx system
- Professionally stored; inspected by Solar March 2008
- Configured for 60hz but can be converted to 50hz
- Includes inlet / exhaust equipment
- Includes all drawings and documentation
- Deltek HRSG with diverter / stack
 - 300 psig, 32,000 lbs / hr steam unfired

2.2 Solar Centaur 40 Specifications and Scope

- 3,500 kw, 9,125 btu/hp-hr
- Refurbished
- So-Lo-NOx dry low NOx system
- Configured for 60hz but can be converted to 50hz
- Axial exhaust
- Includes inlet / exhaust equipment
- Includes all drawings and documentation

2.3 Exclusions

Any other equipment or service not described in our proposal is excluded.

3.0 Pricing

Pricing references the scope of equipment described in this proposal:

- One (1) Solar Mars 100 Turbine Genset
- Two (2) Solar Centaur 40 Turbine Genset

Equipment is subject to prior sale until down payment is received.

3.1 Equipment Pricing

- Solar Mars 100 = \$4,950,000
- Solar Centaur 40 = \$1,350,000/each

3.2 Payment

This proposal and pricing is based upon receipt of the progress payments shown below:

- Down Payment: 10% to initiate procurement and to take the units off the market. **Non-refundable**
- Balance: Upon notice of readiness to ship.

Name: ProEnergy Services LLC

Bank: US Bank

Routing # 081000210

Account # 152305958703

Swift Code: USBKUS 44IMT (that is an "i" not a 1)

3.3 Taxes, Duties and Fees

No sales or use taxes have been included in this quotation. The prices quoted exclude any federal, state or local taxes or fees which may be associated with the export, import or purchase of equipment and/or services.

4.0 Warranty

ProEnergy will provide a one (1) year warranty on the entire gas turbine generator package and any other balance of plant equipment provided.

5.0 Terms & Conditions

This proposal shall be valid for thirty (30) days; provided, however, the obligation to treat this proposal as confidential, and that it cannot be shared with any third party without the prior written consent of ProEnergy shall survive.

ProEnergy and ABA Express will negotiate in good faith to establish general terms and conditions that are usual and customary of the sale of used equipment.

6.0 Site Services

ProEnergy would be pleased to also provide a proposal for the installation, startup and commissioning of the facility. This would include providing construction supervision as well as startup engineers for all equipment provided.

ProEnergy can also provide an experienced service representative to assist the operating personnel after the equipment goes online.

7.0 Follow Up

Please contact the following person at ProEnergy for information regarding this proposal:

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or

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Attachment A
Solar Mars 100 Specifications

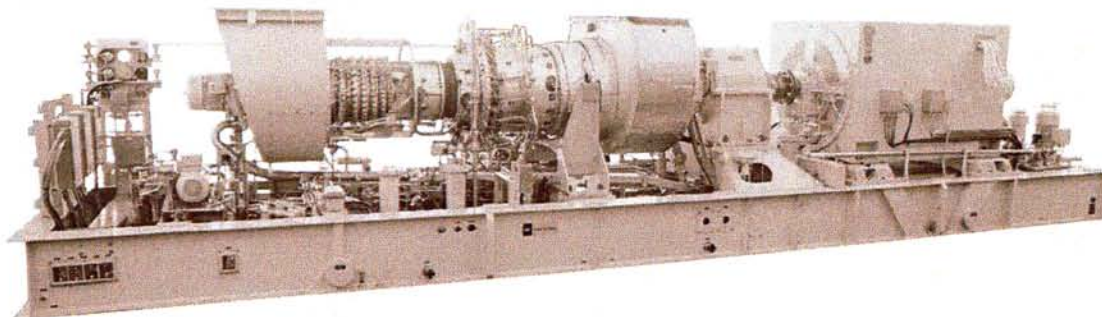
Solar Turbines

A Caterpillar Company

MARS 100

Gas Turbine Generator Set

Power Generation



General Specifications

Mars® 100 Gas Turbine

- Industrial, Two-Shaft
- Axial Compressor
 - 15-Stage
 - Variable Inlet Guide Vanes
 - Compression Ratio: 17.7:1
 - Inlet Airflow:
 - 41.6 kg/sec (91.8 lb/sec)
 - Max. Speed: 11,170 rpm
 - Vertically Split Case
- Combustion Chamber
 - Standard: Annular-Type (Conventional)
 - Optional: Annular-Type, Lean-Premixed, Dry, Low Emission (SoLoNOx™)
 - 21 Fuel Injectors (Standard)
 - 14 Fuel Injectors (SoLoNOx)
 - Torch Ignitor System
- Gas Producer Turbine
 - 2-Stage, Reaction
 - Max. Speed: 11,170 rpm
- Power Turbine
 - 2-Stage, Reaction
 - Speed, 50-Hz Generator: 8625 rpm
 - Speed, 60-Hz Generator: 8568 rpm
- Bearings
 - Journal: Tilt-Pad
 - Thrust, Active: Tilt-Pad
 - Thrust, Inactive: Fixed Tapered Land
- Coatings
 - Compressor: Inorganic Aluminum
 - Turbine and Nozzle Blades: Platinum Aluminide
- Vibration Transducer Type
 - Proximity Probes
 - Velocity Pick-up

Main Reduction Drive

- Epicyclic Type
- 1500 or 1800 rpm

Generator

- Type: 4 Pole (Salient) Solid Rotor, 6-Wire, Wye Connection, Synchronous Generator with Brushless Exciter

- Construction Options
 - ODP (Open Drip Proof)
 - WPII (Weather Protected II)
 - CACA/TEAAC (Closed Air, Cooling Air/Totally Enclosed, Air to Air Cooling)
 - CACW/TEWAC (Closed Air, Cooling Water/Totally Enclosed, Water to Air Cooling)
- Sleeve Bearings
- Voltage Regulation
 - Solid-State Regulation with Permanent Magnet Generator (PMG)
- Insulation/Temperature Rise
 - NEMA Class F w/VPI / Class B
 - NEMA Class F w/VPI / Class F
- Voltages: 3300 to 13,800 Volts
- Frequency: 50 or 60 Hz
- Air Inlet and Exhaust System
 - Carbon Steel
 - Stainless Steel
 - Marine-Type Filters
- Enclosure (Driver Only or Complete)
 - Fire Detection and Suppression
- Factory Testing of Turbine and Package
- Documentation
 - Electrical Drawings
 - Mechanical Drawings
 - Quality Control Data Book
 - Inspection and Test Plan
 - Test Reports
 - Operation and Maintenance Manuals
- Digital Onskid Display Panel

Package

- Mechanical Construction
 - Steel Base Frame with Drip Pans
 - 316L Stainless Steel Piping
 - Compression-Type Tube Fittings
 - Suitable for 3-Point Mounting
 - FPSO Modifications (Option)
- Electrical System
 - NEC, Class 1, Group D, Div 2
 - CENELEC/ATEX Zone 2
 - Conduit/Cable Tray Wiring
 - 120VDC Battery/Charger System
- Direct-Drive AC Start System
- Fuel Systems
 - Conventional Combustion or Dry Low Emission (SoLoNOx)
- Fuel Types
 - Natural Gas or Dual (Gas/Distillate)
- Integrated Lube Oil System
 - Turbine-Driven Main Pump
 - AC Motor-Driven Pre/Post Pump
 - DC (120V) Motor-Driven Backup Pump
 - Oil Cooler and Oil Heater (Options)
 - Tank Vent Separator and Flame Trap
 - Lube Oil Filter
- On-Crank or On-Crank/On-Line Turbine Compressor Cleaning System (Options)
 - Portable Cleaning Tank (Option)
- Turbotronic™ Control System
 - Onskid Control System (Optional Offskid System)
 - 24 VDC Control Power (120VDC Input)
 - Serial Link Supervisory Interface
 - Field Programmable
 - Vibration Monitoring
 - Turbine Bearings and Shaft
 - Gearbox
 - Generator Bearings
 - Temperature Monitoring
 - Turbine Combustion Process
 - Turbine Bearings and Lube Oil
 - Generator Bearings and Windings
 - Generator Control
 - Selectable Control Modes
 - Solid-State Voltage Regulation
 - Automatic Synchronization
 - Metering Panel with Manual Synchronization (Option)
 - KW Control (Option)
 - TT4000 Display and Monitoring System
 - Multiple Operator Display Screens
 - Data Collection and Playback
 - Turbine Performance Map (Option)
 - Printer/Logger (Option)
 - Predictive Emissions Monitoring (Option)

Solar Turbines

A Caterpillar Company

MARS 100

Gas Turbine Generator Set

Power Generation

Performance

Output Power Continuous Duty	11 430 kW _e
Heat Rate	10 885 kJ/kW _e -hr (10,320 Btu/kW _e -hr)
Exhaust Flow	152 080 kg/hr (335,275 lb/hr)
Exhaust Temp.	485°C (905 °F)

Nominal Rating – ISO
At 15°C (59°F), sea level

No inlet/exhaust losses

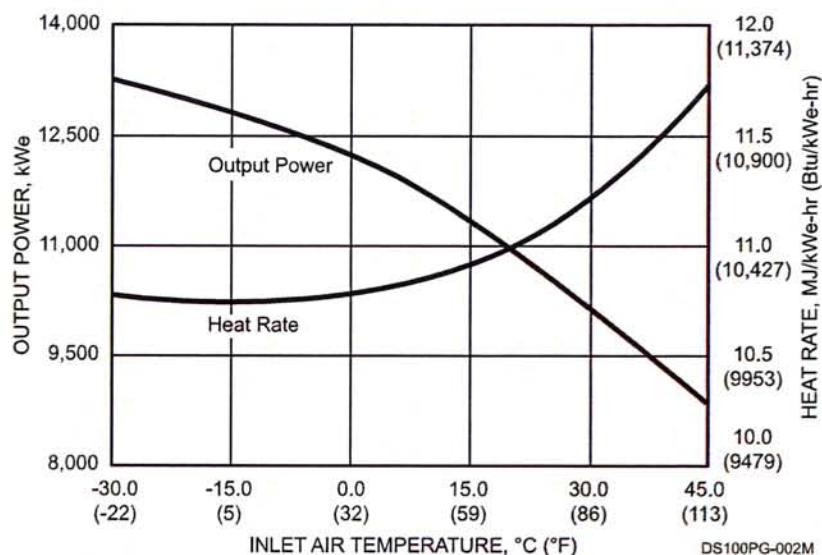
Relative humidity 60%

Natural gas fuel with
LHV = 35 MJ/nm³ (940 Btu/scf)

No accessory losses

Engine efficiency: 33%
(measured at generator terminals)

Available Power



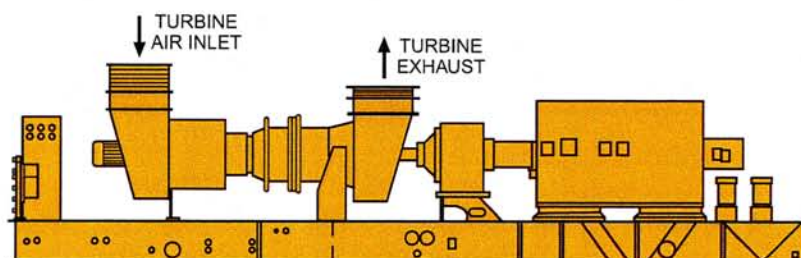
Package Dimensions

Length: 14.5 m (47' 8")

Width: 2.8 m (9' 2")

Height: 3.6 m (11' 8")

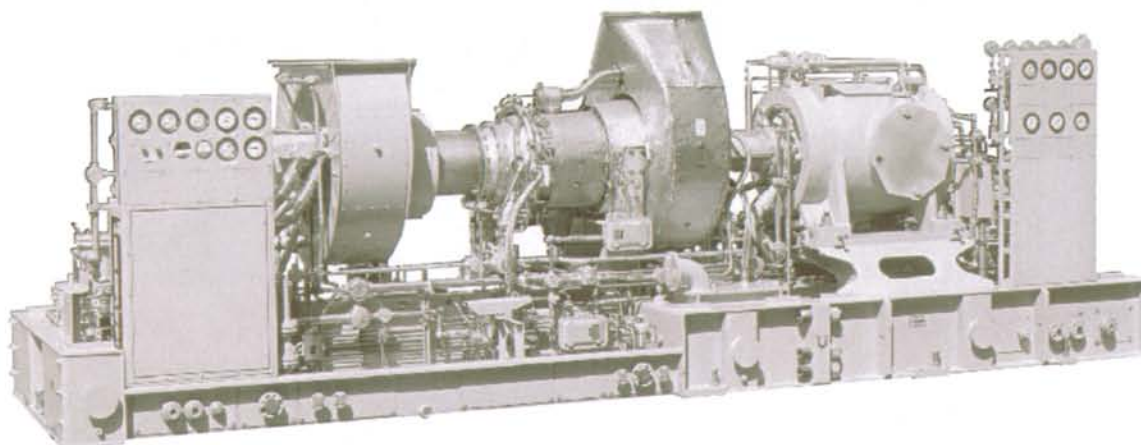
Typical Weight: 67 570 kg (160,000 lb)



DS100PG-003M



Attachment B
Solar Centaur 40 Specifications



General Specifications

Centaur® 40 Gas Turbine

- Industrial, Two-Shaft
- Axial Compressor
 - 11-Stage
 - Variable Inlet Guide Vanes
 - Compression Ratio: 10.3:1
 - Inlet Airflow: 18.7 kg/sec (41.3 lb/sec)
 - Max. Speed: 15,000 rpm
- Combustion Chamber
 - Annular-Type
 - Conventional or Lean-Premixed, Dry, Low Emission (SoLoNOx™)
 - 10 Fuel Injectors (Conventional)
 - 12 Fuel Injectors (SoLoNOx)
 - Torch Ignitor System
- Gas Producer Turbine
 - 2-Stage, Reaction
 - Max. Speed: 14,965 rpm
- Power Turbine
 - 1-Stage, Reaction
 - Max. Speed: 15,500 rpm
- Bearings
 - Journal: Tilting-Pad
 - Thrust: Fixed Tapered Land
- Coatings
 - Compressor: Inorganic Aluminum
 - Turbine and Nozzle Blades: Precious Metal Diffusion Aluminide
- Velocity Vibration Transducer

Key Package Features

- Driver Skid with Drip Pans
- Driven Equipment Skid
 - Compressor
 - Compressor Auxiliary Systems
- 316L Stainless Steel Piping ≤ 4 " dia
- Compression-Type Tube Fittings
- Electrical System Options
 - NEC, Class 1, Group D, Div 1
 - CENELEC, Zone 1
- **Turbotronic™** Microprocessor Control System
 - Freestanding Control Console
 - Color Video Display
 - Vibration Monitoring
- Control Options
 - 24-VDC Control Battery/Charger System
 - Package Temperature Monitoring
 - Serial Link Supervisory Interface
 - Turbine Performance Map
 - Compressor Performance Map
 - Historical Displays
 - Printer/Logger
 - Predictive Emissions Monitoring
 - Process Controls
 - Compressor Anti-Surge Control
 - Field Programming
- Start Systems
 - Pneumatic
 - Direct-Drive AC
- Fuel Systems
 - Natural Gas
 - Alternate Fuels
- Integrated Lube Oil System
 - Turbine-Driven Accessories
- Oil System Options
 - Oil Cooler
 - Oil Heater
 - Tank Vent Separator
 - Flame Trap
- Axial Compressor Cleaning Systems
 - On-Crank
 - On-Crank/On-Line
 - Stationary Cleaning Tank
 - Portable Cleaning Tank
- Gearbox (if applicable)
 - Speed Increases
 - Speed Decreasers
- Air Inlet and Exhaust System Options
- Enclosure and Associated Options
- Factory Testing of Turbine and Package
- Documentation
 - Drawings
 - Quality Control Data Book
 - Inspection and Test Plan
 - Test Reports
 - Operation and Maintenance Manuals

Solar Turbines

A Caterpillar Company

CENTAUR 40

Gas Turbine Compressor Set

Oil & Gas Applications

Performance

Output Power	3500 kW (4700hp)
Heat Rate	12 905 kJ/kW-hr (9,125 Btu/hp-hr)
Exhaust Flow	68 185 kg/hr (150,320 lb/hr)
Exhaust Temp.	445°C (835°F)

Nominal Rating – per ISO
At 15°C (59°F), at sea level

No inlet/exhaust losses

Relative humidity 60%

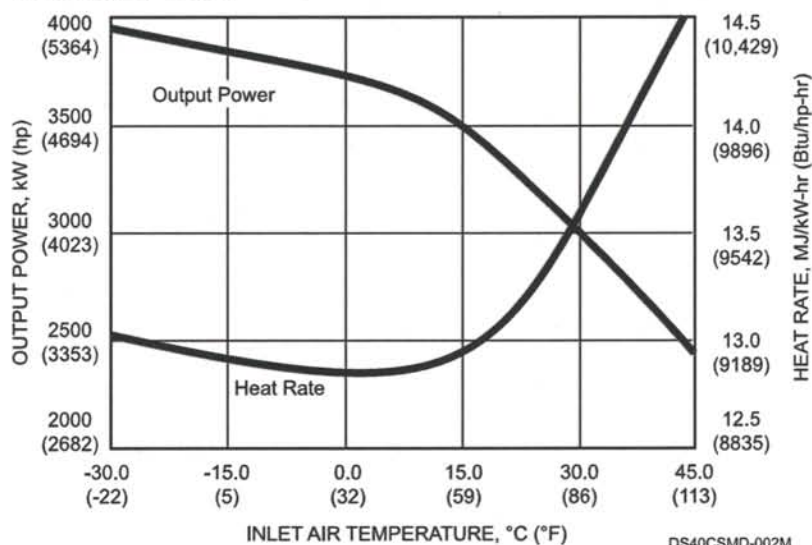
Natural gas fuel with
LHV = 35 MJ/nm³ (940 Btu/scf)

Optimum power turbine speed

AC-driven accessories

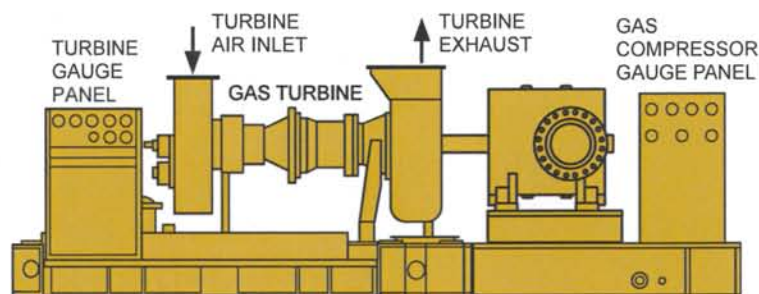
Engine efficiency: 27.9%

Available Power



Package Dimensions

Length:	8.9 m (23' 3")
Width:	2.4 m (8' 0")
Height:	2.7 m (8' 11")
Typical Weight:	24 950 kg (55,000 lb)



DS40CS-003M