GENERATOR TURBINES PACKAGES BUYERS QUESTIONNAIRE

Please visit: https://punjtanenergy.com/photogallery/
Email: rigs555@a1oilandgas.com

We Supply: All kind of Power Generating, Transmission, Distribution, network and substation related equipment and parts

Basic Information

Customer Company: _____

Owners Full Name: _____

Telephone Office: _____

Owners Mobile No: _____

Email: _____

Site Condition

Project Name / _____

Site Location / _____

Altitude / _____

High / Low / Average Temperature / _____

Local Atmospheric Pressure / _____ ≈ KPA

Relative Humidity / _____

Project Requirements

Operation

Operation Mode / ☐ Grid-connected with power injection
☐ Grid-connected without power injection
☐ Island

Electrical Load Requirements

Installed Capacity / _____

Generator Voltage / _____

Power Factor / _____

Generator Frequency / _____

Planned Unit Installed Mode / ☐ Power Station Stagnant
☐ Skid Mounted
☐ Truck Mounted
☐ Trailer Mounted

Current Factory Load /

Max: _____ _____ kW
Average: ____ _____ kW
Min: _____ _____ kW

Other Requirements /

Is the output power of the Generator at 13.8 KV appropriate?

Do you require a Step-up Transformer on site?

Fuel Information

Fuel Type /

Interface Fuel Pressure / _____ ~KPA

Utilizable Fuel Flow / _____ Nm^3/h

Low Heat Value of Fuel / LNG 50/50 _____ kcal/Nm3

Fuel Type /
- ☐ Pipeline Natural Gas
- ☐ Wellhead Gas
- ☐ LNG
- ☐ CNG
- ☐ Others

Other Requirements /We require gas chromatography laboratory testing study to know the composition of the available gas.

Environmental Requirement

Noise Enforcement Standards / _____ DB(A)

Exhaust Emission Standards /
Nox <_____mg/Nm3
Dust < _____mg/Nm3

Others / Will the units be installed in a residential area?

Are there any noise or emissions regulations or limits?

Scope of Services:
Project Definition and Origination, Conceptual Design, Business case, FEED studies, Network studies, Stability studies, all required studies to justify the project including project development, Project Detail Design, Power train and Balance of Plant related equipment, Procurement, Technology Selection, Project evaluations and sensitivity Analysis, Project Justification and Business model approval, Economic justification, Project feasibility studies, System studies and design, Construction and installation from concept to operation, Testing and commissioning, capability testing, performance testing, FERC testing, System integeration, Operation and maintenance, Plant Diagnostics, Load flow studies, Functional testing, Efficiency improvement, refurbishment and overhauling, major and minor maintenance, troubleshooting, capacity enhancement etc:

Other Requirement

Other Requirement

For example: • Whether there are specific requirements for the direct communication protocol. • Is the grid single or dual powered? Does the power station need to be connected to the grid? Or is it running in silos? • Are there any special requirements and regulations for the logic with the grid? • If multiple load interfaces are required on the job site, do you need to provide a substation/facility?

Additional Comments:

In the island operation mode of the gas turbine, the following contents need to be provided: 1. The maximum sudden increase/decrease load of the project under operation and startup conditions, or the startup sequence of each load of the project; 2. The rated power and startup mode (direct startup, variable frequency startup, soft startup, etc.) of the high-power loads; 3. Whether there are special requirements such as explosion-proof and classification society certification; 4. If the project requires a black start, a supporting diesel generator set needs to be considered.

Date: Year _____Month _____ Day _____

Submit