17/12/25

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SIEMENS Gas Turbine SGT 400

Scope of Supply & Additional Notes

Manufacturer	Siemens
Model	SGT-400
Year	2014
Condition	NEW
Category	Natural Gas Turbines
Wattage	13 MW
Hours	100 (Tested only)
Frequency	50 Hz
Fuel type	Natural Gas

1 Un it is available

SGT – 400 Gas Turbine Generator Set, with integral Local Equipment Room:
Units to be supplied is unused, tested only, installed.

We are a pleased to submit this formal proposal for the supply of one (1) new 2014 Siemens SGT-400 Natural Gas Turbine Generator Sets, rated at 13,4 MW, 50 Hz, and configured for natural gas fuel. The units is unused , tested only (100 Hours) actually installed.
Dismanting is INCLUDED in the total price
The SGT-400 series turbines are proven, highly efficient, and ideally suited for industrial, utility and data center applications. This proposal includes commercial and technical details,
payment terms, inspection procedures, and delivery logistics.

Gas Turbine Package:
Original year of assembly: 2014 SGT 400
GasTurbine Core Engine Original
assembly location:Asia installed

AC Generator:
Original assembly location: SIEMENS Electrical
Machines Original year of assembly: 2014
Package and core engine serial numbers will be confirmed upon placement of order
The unit's supporting documentation is available for review at any time with prior notice

Scope of Supply:

Driven unit
AC Generator
3 phases
50 Hz
4 poles
0.8 power factor
Cylindrical pole brushless
type Filter ventilated
Class F insulation with class F total
temperature rise Generator bearing
temperature instrumentation Lubricating oil
piping from gas turbine to driven unit

Gas Turbine Engine
SGT 400 Gas turbine engine – ISO Rating 13,4 MW(e) – two-stage uncooled variable free power turbine offers nominal shaft speed up-to 6,600 rpm
Gas generator
Air inlet casing
Compressor rotor
Compressor stator wit variable Guide
Vanes (VGV) Centre casing
Combustion system – Dry Low Emissions (DLE) for dual fuels Compressor turbine rotor
Compressor turbine stator
Power turbine Hot gas interdict
Power Turbine rotor Power turbine stator Output shaft drive Exhaust outlet casing
Engine arranged for hot end drive
Engine bearing temperature and vibration instrumentation

Under base
Under base – fabricated carbon steel construction, arranged for - multi point
mounting Mounting assemblies for the gas turbine core, auxiliary gearbox,
auxiliaries, and main gearbox Driven unit – separate under base
Integral lubrication oil tank – carbon steel

Quantity 1 units SGT 400 generator packages available
Ready for shipment
Gas and Liquid fuel system included
DLE combustion system

Start System
Hydraulic motor and pump – AC electric motor driven

Gears, Couplings and Guards
Gearbox seismic vibration instrumentation
Auxiliary gearbox incorporating drives to start system and lubricating oil pump
Drive coupling – high speed – flexible element dry type – turbine to gearbox
Drive coupling – low speed – flexible element dry type – gearbox to AC
generator Coupling guard – high speed – (carbon steel) – turbine to gearbox
Coupling guard – low speed – (carbon steel) – gearbox to driven unit

Lubricating Oil System
Integral mineral oil lubricating system serving the gas turbine, gearbox and driven
unit Lubricating oil pump main – gas turbine gearbox driven
Lubricating oil pump auxiliary – AC motor driven
Lubricating oil pump emergency – DC motor driven
Lubricating oil system filter
Duplex filter arrangement
Continuous flow transfer valves
Conforms to API 614
Filter body – carbon steel
Differential pressure indicator
Temperature and Smart type pressure & level transmitters – aluminium
bodies Lubricating oil tank immersion heater
Lubricating oil system breather Lubricating
oil breather oil mist eliminator
Lubricating oil breather ducting – austenitic stainless steel
Lubricating oil system cooler
Air blast simplex lubricating oil cooler – package roof mounted

Cooler fan – single
(100% duty) Suitable for a non - hazardous area
Lubricating oil cooler piping supply and return – austenitic stainless steel

Gas Fuel System
Pilot fuel flow control system with actuator and integrated pressure transmitters
Main fuel flow control system with actuator and integrated pressure transmitters
Rapid acting gas shut – off – valves (2-off)
Temperature transmitter – aluminium body
Gas fuel block and vent valve assembly – off package

Acoustic Enclosure
Acoustic enclosure – painted carbon steel, fitted over gas turbine, gearbox and auxiliaries
Doors for personal access and maintenance
83 dB(A)
Integral lifting beam for maintenance Integral lightning
Acoustic system transmitters – Siemens standard smart type – aluminium
Excluded – ground level enclosure access platforms and steps

Acoustic Enclosure Ventilation System Ventilation air inlet filter pad type
Enclosure ventilation inlet and outlet dampers – air operated
Ventilation fan – single – AC electric driven – Zone 2
Ventilation air system – negative pressure Ventilation
air silencer
Ventilation air inlet and outlet ducting
Integral support for turbine enclosure ventilation system
Gas Detection System
Gas detection equipment comprising
2 – I.R. point gas detectors (vent outlet)

Fire Protection System
Fire protection system comprising
3 – I.R. multi spectrum flame detectors 2 – Heat detectors
Single sounder / beacon (end of package) 1
– Beacon (inside package)
Status indicator (end of package) 1 –
MAC (Manual Alarm Contact)

Fire Extinguishing
Fire shot CO_2 fire protection system – in accordance with NFPA
12 Cylinders housed in a weatherproof cabinet
Extinguisher system distribution pipework and nozzles
Piping from cabinet to package

Combustion Air Inlet System
Combustion air filter – simple static element – painted carbon steel Combustion air filter – weather hood
Combustion air filter – mist eliminator Combustion air filter – EPA filter stage Combustion air silencer – painted carbon steel
Combustion air inlet ducting – painted carbon steel
Integral support for combustion air inlet system
Maintenance access platform and ladder – combustion air filter

Combustion Exhaust System
Exhaust diffuser – ferritic stainless steel – horizontal orientation
Exhaust silencer – ferritic stainless steel hot section – coated carbon steel outer casing Exhaust stack – ferritic stainless steel – floor standing vertical orientation – 15 m height Thermal insulation and aluminium cladding – personnel protection only

Package Electrical Systems
Integral Local Electrical Room (LER)
Designed to provide environmental protection for the SGT-400 package control panels and its operators. Fully equipped with lighting, power and environmental controls consisting of:

400 V AC – Package motors and heaters supply 230V 50Hz distribution board
Internal and external lighting Industrial 230 V 50 Hz outlet

Air conditioning/heat pump unit capable of maintaining control room at 20°C in all ambient conditions A baseplate designed to support the control panel shelter and internal tread plates which will attach to the end of the SGT-400 package driver unit baseplate to allow for a single point lift of the driver package
A single control panel cubicle with support frame
The combined control panel will consist of a battery charger, unit control panel for turbine and generator control and monitoring and motor control centre
Batteries – VRLA type, sized to ensure a safe run-down of the turbine and driven unit in an emergency case

Package Auxiliaries
Turbine compressor – mobile cleaning system – 316 stainless steel tank – on and off-line wash Drain tanks on package
Auxiliary module pressure & level transmitters – Smart type – aluminium bodies Instrument tagging – row tags – SIEMENS standard P&ID references
Package finish according to SIEMENS onshore standard

Control System
Package Control System Hardware
Control system mounted within integral LER
Unit Control System section – simplex, incorporating a SIEMENS SIMATIC PLC platform
Control and monitoring of the package systems
Standard start-stop and load control functions – on-package control panel HMI PC panel mounted
Operator display language – English Machinery vibration monitoring
Ethernet TCP/IP communications data link to DCS Generator Control Panel section containing Automatic voltage regulator
Synchronizing facility – automatic & manual with check synchronizer Generator metering equipment and electrical protection

SIEMENS Turbomachinery Applications – Remote Monitoring System – STA-RMSTM STA-RMS allows improved support for engine operators
Required operation during warranty period and thereafter with Long Term

Programs (LTP) service contracts
SIEMENS common Remote Service Platform secure communication through Virtual Private Network (VPN) via customer’s internet service STA-RMS primary functions:

Automatic transfer of engine operation data to Remote Diagnostic Centre allowing:
Routine monitoring Predictive trending
Anomaly detection
Improved downtime prediction and scheduling Access to historic data
Fleet and unit performance reports
Remote access to the Human Machine interface allowing:
Direct operation of the Human Machine Interface by SIEMENS' support personnel Software updates during fault rectification helpdesk call
Faster troubleshooting and support

Testing Gas Turbine
Gas turbine core engine test – SE standard – the core has already been tested. Test data available

Driven Unit Test
Manufacturer's works acceptance test data of AC Generator. Pre-tested.

Drawings and Documentation
Standard set of certified information an approval drawing in English language
Existing drawings are to be reviewed and issued with relevant modifications or a project specific cover Operator manual – English language – CD only
Maintenance manual – English language – CD only
Driven unit manual – English language – CD only

Packing and Delivery Packing
Packing and preservation to suit destination and transport method

Delivery terms
Delivered FCA Europe in accordance with ICC INCOTERMS 2020 edition

Quality Assurance Programme
Material Record Book (MRB) – quality assurance and as built records – English language

1. COMMERCIAL TERMS

1.1 Validity

This offer shall remain valid for 10 calendar days from the date of issue. All prices are in USD exclusive of VAT, taxes, duties, and logistics costs.

1.2 Equipment Description

Item	Description	Qty	Unit Price (USD)
1	SGT 400	1	10.000.000 USD

Delivery Terms: Ex Works

1.3 Taxes and Duties

All prices are quoted exclusive of taxes and import duties. Any applicable VAT or customs charges shall be borne by the Buyer.

1.4 Inspection

- Inspection : NO DEPOSIT IS REQUIRED
  ISPECTION IS AVAILABLE AFTER LOI SIGNED AND POF FROM THE BUYER
- Purpose: Covers crating to Siemens standards, inspection preparation, and technical documentation access.

1.5 Payment Terms

- 60% due upon contract signing
- 40% due prior to loading and shipment

All payments to be made via SWIFT wire transfer to the Seller's nominated bank account as per the commercial invoice.

1.6 Delivery & Lead Time

- Lead Time: 4-6 Weeks from receipt of full payment.

- Delivery Terms: Ex Works
- Shipping & Transport: To be arranged and paid by Buyer.

- Scope: Standard Siemens OEM terms apply for new, unused turbines.

1.7 Inclusion

- Dismanting and packaged

1.8 Exclusions / Buyer Responsibilities

- Foundation (concrete) preparation –Installation and any other point no descripted in this offer
- Gas fuel connection to turbine