

EQUIPMENT PURCHASE AGREEMENT

between

Energy Parts Solutions, LLC

and

Derwick Associates, S.A.

October __, 2009

EQUIPMENT PURCHASE AGREEMENT

This Equipment Purchase Agreement (the "Agreement") is made effective as of the ____ day of October 2009 (the "Effective Date") between **ENERGY PARTS SOLUTIONS, LLC**, a Missouri company ("Seller"), and **DERWICK ASSOCIATES, S.A.**, a Panamanian company ("Buyer").

RECITALS

Buyer desires to purchase one used mobile GE TM2500PE gas turbines generator set presently installed at a site in Tanzania, as further described in Exhibit A (the "Equipment").

Seller desires to sell the Equipment to Buyer.

FOR AND IN CONSIDERATION of the mutual covenants herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and agreed, the parties agree as follows:

1. PURCHASE AND SALE OF EQUIPMENT

Upon the terms and subject to the conditions contained herein, Seller shall sell to Buyer, and Buyer shall purchase from Seller, the Equipment.

2. PURCHASE PRICE; PAYMENT TERMS

2.1 Purchase Price

The purchase price for the Equipment is U.S.\$11,500,000 (the "Purchase Price").

2.2 Payment Terms

On or before twenty (20) business days following the signing of this contract the Buyer shall wire to Seller in immediately available funds U.S.\$7,700,000 as a non-refundable deposit for the Equipment (the "Deposit"). On or before December 31 of 2009 (following Seller's written notice to Buyer of readiness to ship the equipment), the Buyer shall wire to Seller in immediately available funds U.S.\$69,300,000 (the "Final Payment") which, along with the Deposit, will be credited towards payment in full of the Purchase Price for the Equipment. All funds wired to Seller shall be sent according to the following instructions:

US Bank
3615 W Broadway Blvd
Sedalia, MO 65301
Routing Number: 081000210
Account Number: 152307883347
SWIFT Code is: USBKUS44IMT (that is an 'i' and not a 'I')

For payments not timely received by Seller, the Seller may then (i) charge a late fee of the lesser of 1 ½ % per month or the highest rate allow by applicable law will be assessed and owed by Buyer plus any fees and costs incurred by Seller during the period of non or late payment with respect to the ownership, maintenance and storage of the Equipment, (ii) retain any monies already paid as liquidated damages

including the Deposit, and/or (iii) suspend or terminate this Agreement in whole or in part, in which case Buyer shall be responsible for any added costs related to said suspension termination.

3. ASSUMPTION OF LIABILITIES; REMOVAL AND TRANSPORTING OF EQUIPMENT; TITLE AND RISK OF LOSS

3.1 Assumption of Liabilities

After Seller's receipt of the Final Payment, the Buyer shall assume and agree to pay, perform and discharge when due all liabilities arising out of, in connection with, or related to the ownership, storage, removal, operation, use, or maintenance of the Equipment relating to periods on or after said date.

3.2 Removal and Transporting of Equipment

After Seller's receipt of the Final Payment, the Seller agrees to assist Buyer and its representatives in gaining access to the facility where the Equipment is located so that Buyer can remove and transport the Equipment. Buyer will at all times while at the facility abide by the applicable safety rules and regulations. Buyer will work closely with Seller's and its representative's and agent's personnel to ensure that Buyer's activities shall not interfere with any other activities on-going at the facility. Buyer shall be responsible for all storage charges for the Equipment after the date of Seller's receipt of the Final Payment. In the event Buyer retains Seller to disassemble, crate, remove and transport the Equipment from the facility, then Seller will agree to do so at cost plus 15% and the Parties will execute a separate Purchase Order for said the additional work which will include a mutually agreeable advance of funds so that Seller can mobilize and commence the work.

3.3 Title and Risk of Loss

Title to and risk of loss, damage and destruction of the Equipment shall transfer from Seller to Buyer upon Seller's receipt of the Final Payment.

4. REPRESENTATIONS AND WARRANTIES

4.1 Seller hereby represents and warrants to Buyer that:

- (a) At the date of Seller's receipt of the Final Payment, the Seller shall have full legal and beneficial title to the Equipment, free and clear of any and all security interests, liens, claims, charges or encumbrances of any nature whatsoever, together with full power and lawful authority to deliver the Equipment to Buyer; and Seller shall have transferred good and marketable title to the Equipment to Buyer.
- (b) Seller is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is formed and has the requisite power and authority to own, lease and operate its properties and to carry on its business as now conducted. Seller is duly qualified to transact business and is in good standing in each jurisdiction in which its ownership of the Equipment and commitments made hereunder makes such qualification necessary.
- (c) Seller has the requisite power and authority to execute this Agreement and to consummate the transactions contemplated by this Agreement. The execution and delivery of this Agreement by Seller and the consummation by Seller of the transactions contemplated by this Agreement have been duly authorized by all necessary action on the part of Seller. This Agreement has been duly

executed and delivered by Seller and, assuming due execution and delivery by Buyer, constitutes a valid and binding obligation of Seller, enforceable against Seller in accordance with its terms.

- (d) The execution and delivery by Seller of this Agreement and the consummation of the transactions contemplated hereby do not and will not (i) violate any provision of the constituent documents of Seller, (ii) violate any order of any governmental authority to which Seller is bound or subject, (iii) violate any applicable law, or (iv) result in the imposition or creation of any lien upon the Equipment.
- (e) No order or permit issued by, or declaration or filing with, or notification to, or waiver from any governmental authority is required on the part of Seller in connection with the execution and delivery of this Agreement, or the compliance or performance by Seller with any provision contained in this Agreement.
- (f) There is no legal action or order pending or overtly threatened against Seller that seeks to restrain or prohibit or otherwise challenge the consummation, legality or validity of the transactions contemplated hereby.
- (g) Seller is, with respect to the Equipment and this Agreement, in compliance with all applicable laws.
- (h) No rights of first offer or other preferential rights to purchase any of the Equipment are held by third parties.
- (i) There are no defects in material and workmanship in the Equipment for a period of twelve (12) months from the installation of the Equipment at Buyer's site or eighteen (18) months from the date of Seller's receipt of the Final Payment, whichever occurs first. In the event of a warranted defect in the Equipment occurs during the warranty term and Buyer so notifies Seller within said period, Seller shall correct such defect by either repair or making available a repaired or replacement Equipment, or part thereof, at Seller's place of repair/replacement. Buyer shall be responsible for removing, transporting and installing any defective or repaired/replaced Equipment or part thereof. The terms set forth in this Section 4.1(i) sets forth the exclusive remedies for all claims based on failure of or defect in the Equipment provided under this Agreement whether the failure arises before, during or after the warranty period and whether said claim is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The duties of Seller under this Section 4.1(i) do not extend to any repairs, adjustments, alterations, replacements or maintenance that may be required as a result of normal wear and tear in the operation of the Equipment, normal degradation in the performance of the Equipment, or as a result of (i) improper repair or alteration by Buyer or any other person (other than Seller or its affiliates), (ii) misuse, negligence or damage by Buyer or any other person (other than Seller or its affiliates), (iii) misuse, negligence or damage by Buyer or other persons, (iv) excessive operation at peak capacity, frequent starting, type of fuel, detrimental air inlet conditions, or erosion, corrosion or material deposit of fluids. The warranty and remedies are further conditioned upon (a) the proper storage, installation, operation and maintenance of the equipment and conformance with the operation and instruction manuals provided by the suppliers and manufacturers, (b) repair or modification pursuant to the instructions of the suppliers and manufacturers and as otherwise directed by Seller, and (c) either (y) installation, startup and commissioning of the Equipment will be performed by Seller or one of its affiliates under separate agreement or (z) on-site supervisory services for the installation, startup and commissioning of the Equipment will be performed by Seller or one of its affiliates under separate agreement. **SELLER HEREBY DISCLAIMS ANY OTHER WARRANTY EXPRESS, IMPLIED, STATUTORY OR OTHERWISE,**

INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE AS TO THE EQUIPMENT.

4.2 Buyer hereby represents and warrants to Seller that:

- (a) Buyer is an entity duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is formed and has the requisite power and authority to own, lease and operate its properties and to carry on its business as now conducted. Buyer is duly qualified to transact business and is in good standing in each jurisdiction in which its commitments hereunder makes such qualification necessary.
- (b) Buyer has the requisite power and authority to execute this Agreement and to consummate the transactions contemplated by this Agreement. The execution and delivery of this Agreement by Buyer and the consummation by Buyer of the transactions contemplated by this Agreement have been duly authorized by all necessary action on the part of Buyer. This Agreement has been duly executed and delivered by Buyer and, assuming due execution and delivery by Seller, constitutes a valid and binding obligation of Buyer, enforceable against Buyer in accordance with its terms.
- (c) The execution and delivery by Buyer of this Agreement and the consummation of the transactions contemplated hereby do not and will not (i) violate any provision of the constituent documents of Buyer, (ii) violate any order of any governmental authority to which Buyer is bound or subject, or (iii) violate any applicable law.
- (d) No order or permit issued by, or declaration or filing with, or notification to, or waiver from any governmental authority is required on the part of Buyer in connection with the execution and delivery of this Agreement, or the compliance or performance by Buyer with any provision contained in this Agreement.
- (e) There is no legal action or order pending or overtly threatened against Buyer that seeks to restrain or prohibit or otherwise challenge the consummation, legality or validity of the transactions contemplated hereby.
- (f) Seller is not or will not become obligated to pay any fee or commission or like payment to any broker, finder or financial advisor as a result of the consummation of the transactions contemplated by this Agreement based upon any arrangement made by or on behalf of Buyer.

5. INDEMNIFICATION

Buyer assumes liability for, and hereby agrees to indemnify, protect, save and keep harmless Seller and its directors, officers, and employees from and against any and all liabilities, obligations, losses, damages, penalties, claims (including, without limitation, claims involving strict or absolute liability in tort), actions, suits, costs, expenses and disbursements, including, without limitation, reasonable attorney's fees and expenses, of any kind or nature, which may be imposed on, incurred by or asserted against Seller arising out of and in connection with (i) Buyer's obligations under this Agreement, (ii) acceptance, ownership, delivery, possession, use, operations, maintenance, repair, function, registration, sales, return, storage, or other disposition of the Equipment or any accident in connection therewith after the transfer of the title of the Equipment to Buyer on the date of Seller's receipt of the Final Payment (except for defects in the equipment, latent or otherwise), or (iii) the negligence of Buyer, its employees, representative, contractors and agents.

6. TAXES

Buyer shall be responsible for and shall pay when due any and all taxes, duties, fees or other charges (including ad valorem, consumption, excise, franchise, gross receipts, import, license, property, sales, stamp, use or value added taxes) imposed by any governmental authority which relate to the transactions under this Agreement. Upon request, either party agrees to furnish to the other evidence of any applicable tax or duty exemption acceptable to the taxing or customs authorities. In the event Buyer is obligated by law to deduct or otherwise withhold from the amounts due to Seller under this Agreement any taxes, duties or other charges for which it is responsible, then it agrees to pay such additional amounts to Seller to equal the full amount for which Seller is entitled and shall provide Seller with accurate official receipts from the appropriate governmental authority for the deducted or withheld amounts.

7. DEFAULT; REMEDIES

7.1 Events of Default

If any one of more of the following events of default (herein "Event of Default") shall happen, then this Agreement may at the option of the party not in default be terminated:

(a) If either party shall default in the due and punctual payment of any sum due to the other which default shall not be cured within five (5) business days after written notice of default to the defaulting party; provided, however, no notice and cure period shall apply with respect to any payments of the Purchase Price under Section 2.2;

(b) If either party shall default in the performance of any of the material provisions contained in the Agreement, which default shall continue for five (5) business days after written notice of default to the defaulting party; or

(c) If any representation or warranty made by either party herein or made in any statement or certificate furnished or required hereunder, or in connection with the execution and delivery of this Agreement, proves untrue in any material respect as of the date of issuance or making hereof.

7.2 Remedies

(a) Upon the occurrence of an Event of Default by Seller, Buyer may demand the immediate return of any moneys paid by Buyer to Seller as of the date of the Event of Default, but Buyer's receipt of such sums shall not limit or impair Buyer's rights, which Buyer may have as a result of Seller's default, nor constitute an election of remedies by Buyer unless expressly stipulated herein otherwise.

(b) Upon the occurrence of an Event of Default by Buyer, Seller may be entitled to retain any moneys paid by Buyer, including the Deposit, for purposes of applying the same against Seller's damages arising from the default by Buyer or as liquidated damages. Seller's retention of such sums shall not limit or impair Seller's rights, which Seller may have as a result of Buyer's default, nor constitute an election of remedies by Seller unless expressly stipulated herein otherwise.

8. MISCELLANEOUS

8.1 Notices

Any and all notices given, or required to be given hereunder shall be in writing and shall be deemed to have been adequately given when received by the party to whom such notice is being given. Notices shall be addressed if to Seller to: ENERGY PARTS SOLUTIONS, LLC, Attn: Jeff Canon, 2031 Adams Road, Sedalia, MO 65301; and if to Buyer to: DERWICK ASSOCIATES, S.A., Attn: Alejandro Betancourt Lopez, MMG Tower, Piso 16, Calle 53, Urbanizacion Marbella, Ciudad de Panama, Republica de Panama, Presente, or such other address as the respective parties hereto shall from time to time designate in writing to the other party.

8.2 Captions

Caption and section headings set forth are for convenience of reference only and shall not in any manner be deemed to limit or restrict the context of the section to which they relate.

8.3 Applicable Law

This Agreement is entered into and shall be governed by and interpreted in accordance with the laws of the State of Missouri notwithstanding its conflict of law provisions.

8.4 Entire Agreement

This Agreement supersedes all prior understandings, representations, negotiations, and correspondence between the parties and constitutes the entire Agreement between the parties with respect to the transaction contemplated and shall not in any manner be supplemented, amended or modified by any course of dealing, course of performance or usage of trade or by any other means except by a written instrument executed on behalf of the parties by their duly authorized officers.

8.5 Confidentiality

Seller and Buyer agree to treat this Agreement and the terms hereof as confidential and not to, without the prior written consent of the other party hereto, disclose the terms hereof to any other person except (i) to its counsel and accountants or other agents or professional advisors in connection with or relating to the transactions contemplated by this Agreement, (ii) to any court, governmental agency or instrumentality or other supervising body requesting such disclosure, (iii) to any person as may be required by any government regulation or order (including any regulation, request or order of a bank regulatory agency or authority), law, statute, regulations, decrees, subpoenas or court orders, (iv) its directors, officers, employees, affiliates, successors and assigns, (v) to any banks or other financial institutions in any debt financing by or for the benefit of Buyer or (vi) in connection with any enforcement of the terms of this Agreement. Seller and Buyer shall cause its officers, directors, agents, and employees to comply with the foregoing paragraph.

8.6 Further Assurances

Seller and Buyer agree that from and after the date of Notice of Readiness to Ship is made and received, each of them will, and will cause their respective representatives and affiliates, to execute and deliver such further instruments of conveyance and transfer and take such other action as may reasonably be requested by any party hereto to carry out the purposes and intents hereof.

8.7 Casualty Loss

If, subsequent to the date of this Agreement and prior to the date of Seller's receipt of the Final Payment, any portion of the Equipment is destroyed by fire or other casualty, is taken in condemnation or under the right of eminent domain, or proceedings for such purposes are pending or threatened (collectively,

“Casualty Loss”), Buyer shall have the option to either (a) purchase the Equipment notwithstanding any such Casualty Loss, and the Purchase Price shall be equitably adjusted per the mutual agreement of the parties or (b) terminate this Agreement without further obligation of either party except that the Buyer shall be entitled to the return of the full amount of any amount of the Purchase Price paid to Seller. In the event of subpart (a) above Seller shall (i) on the date of Seller’s receipt of the Final Payment, pay to Buyer all sums paid to Seller by third parties by reason of the Casualty Loss of such Equipment, (ii) assign, transfer and set over unto Buyer all of the right, title and interest of Seller in and to any unpaid awards or other payments from third parties arising therefrom, and (iii) not voluntarily compromise, settle or adjust any material amounts payable by reason of any Casualty Loss of any portion of the Equipment without first obtaining the written consent of Buyer.

8.8 Expenses

Except as otherwise set forth in this Agreement, Seller and Buyer shall each bear its own expenses (including, without limitation, attorney’s fees) incurred in connection with the negotiation and execution of this Agreement and each other agreement, document and instrument contemplated by this Agreement and the consummation of the transactions contemplated hereby and thereby.

8.9 Submission to Jurisdiction

The parties agree to unconditionally and irrevocably submit to the exclusive jurisdiction of the federal or state courts sitting in Missouri, and any appellate court from any thereof, for the resolution of claim or dispute relating to or arising under this Agreement.

8.10 Excusable Delay

Neither Seller nor Buyer shall be responsible to the other for any delay (“Excusable Delay”) in the performance of its duties under this Agreement (other than payment obligations) due solely to any cause beyond its reasonable control and not occasioned by its intentional act, fault or negligence including, but not limited to acts of God, strikes, lockout or other industrial disturbances, acts of public enemies, orders of any kind of the government of the United States or any state or local government or any of their departments, agencies or officials, or any civil or military authority, insurrections, riots, earthquake, fire storm, restraint of government and people, civil disturbances, or explosions. Either Seller or Buyer shall promptly notify the other when it anticipates that an Excusable Delay has occurred or is likely to be incurred and in each case specify to the extent practicable the estimated extent of such delay. Except for an Excusable Delay, time shall be of the essence in the parties fulfilling their obligations under this Agreement.

8.11 Severability

If any provision of this Agreement is invalid or unenforceable, the balance of this Agreement shall remain in effect.

8.12 Limitation of Liability

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT OR OTHERWISE, NO PARTY HERETO (OR ITS SUBSIDIARIES, AFFILIATES OR ASSIGNS) SHALL, UNDER ANY CIRCUMSTANCE, BE LIABLE TO ANY OTHER PARTY (OR ITS SUBSIDIARIES, AFFILIATES OR ASSIGNS) FOR ANY CONSEQUENTIAL, EXEMPLARY, SPECIAL, INCIDENTAL OR PUNITIVE DAMAGES CLAIMED BY SUCH OTHER PARTY UNDER THE TERMS OF OR DUE TO ANY BREACH OF THIS AGREEMENT, INCLUDING, BUT NOT

LIMITED TO, LOSS OF REVENUE OR INCOME, COST OF CAPITAL, OR LOSS OF BUSINESS REPUTATION OR OPPORTUNITY.

8.13 Binding Effect; Assignment This Agreement shall be binding upon and inure to the benefit of the parties and their respective successors and permitted assigns. No assignment of this Agreement or of any rights or obligations hereunder may be made by Seller or Buyer (by operation of law or otherwise) without the prior written consent of the other parties hereto and any attempted assignment without the required consents shall be void.

8.14 Counterparts

This Agreement may be executed in any number of counterparts, each of which will be deemed an original, but all of which together will constitute one and the same instrument.

8.15 Validity

In the event the non-refundable deposit specified in Section 2.2 above is not received by Seller by 4 pm Central Standard Time on the 10th day following the Effective Date, then at the election of the Seller, in its sole discretion, this Agreement shall be deemed null and void upon notice thereof to Buyer in which case neither party shall any further obligation or liability with respect to this Agreement or the subject matter thereof.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed effective as of the day and year first above written by their duly authorized officers or representatives.

Seller:

Buyer:

ENERGY PARTS SOLUTIONS, LLC

DERWICK ASSOCIATES, S.A.

By: 

By: 

Print Name: Jeff Canon

Print Name: Leopoldo Betancourt

Title: President

Title: Legal Representative

Date: 10/22/09

Date: 22 of October, 2009

Exhibit A

Equipment Description

TM 2500 MOBILE Gas Turbine Generator

The TM2500 consist of four trailers describe below. The trailers include the main trailer, auxiliary trailer, air filter trailer and exhaust trailer. The scope of each of these trailers will be described in detail.

Main Trailer

The main Trailer consists of the following components:

Main Trailer and Jeep

A six-axle, air ride suspension trailer (3+ #) and a 3 axle jeep are used to transport the main trailer components. The trailer and jeep combination is approximately 108' (32.9m) long (less tractor) during transport and weighs approximately 210,000 pounds (95,254 Kg) fully loaded. At the jobsite, the jeep and trailer gooseneck are remove as well as the 3 rear axles of the trailer. With these pieces removed, the main trailer is approximately 58' (17.7m) long during operation. Ten landing legs are provided to support and level the equipment at the jobsite.

Gas Turbine

General Electric LM2500 - PE-MG gas turbine, ISO rated at 30,563 HP for continuous duty, with a heat rate of 6772 Btu/HP-hr (LHV). Suitable for base load or peaking, designed for simple cycle, combined cycle or cogeneration service. Turbine is shock mounted and shipped in position, ready to run. Turbine is complete with "last chance" inlet screen and bellmouth seal for protection against foreign object damage.

Generator

Air-cooled open air, 2 pole generator capable of handling the full continuous power of the gas turbine at any ambient temperature throughout the operation range. Filtered air from the inlet air filter is used to cool the generator. A cooling water loop and its associated fans and pumps are not required. The generator includes a brushless excitation system with permanent magnet generator. Neutral and line side cubicles and voltage regulator are also included. The generator is hard mounted to a base on the main trailer. Generator air inlet filtering and air silencing is provided.

Unit Enclosure

The basic equipment package is supplied with waterproof acoustic enclosure for the turbine. The enclosure is completely assembled and mounted over the equipment prior to testing and shipment. Both turbine and generator compartments are fully ventilated with redundant fans (3 x 50% provided on the air filter trailer). Provision for turbine removal and personal access are included.

Gas Turbine Baseplate

A steel baseplate is provided for gas turbine support. The baseplate will be designed to provide suitable strength and all the necessary installation provision. A 3 point mount system between the baseplate and the trailer provide engine and enclosure isolation from main trailer movement during transport.

Turbine Exhaust

The basic equipment package is supplied with a rectangular, RH horizontal (aft looking forward) exhaust outlet with connection flange to facilitate in-line mounting of the simple cycle exhaust trailer.

Fuel System

The basic equipment package is supplied in a dual configuration. The package is supplied with a natural gas fuel system using an electronically controlled fuel-metering valve. For full-load operation, the gaseous fuel must be supplied to the auxiliary trailer skid at 375 psig \pm 20 psig. All necessary shutoff valves, piping and instruments between the auxiliary trailer skid connection and the engine are included. Gas fuel must meet General Electric specification MID-TD-0000-1.

The package is also equipped with a liquid fuel system. Typical liquid fuels include DF1, DF2 or JP4. Customer must supply liquid fuel to the connection at the auxiliary trailer skid at 20-10 psig (138-276kpag) and at least 20 degree F (11 C) above the wax point temperature. Customer supplied fuel must be clean filtered and meet the GE fuel Specification MID-TD-0000-2. All necessary shutoff valves, flow meter, piping and instruments between the auxiliary Trailer Skid connection and the engine are included. Customer must provide and supply piping only.

Water Injection System

The basic equipment package is supplied with a water injection system for Nox reduction. The system is complete with inlet strainer, pump, valves, flow meter, piping and controls. Customer must provide a supply of purified water per GE Water Specification MID-TD-0000-3 to the Auxiliary Trailer Skid at 20-40 psig (138-276 kPag).

Lube Oil Systems

The basic equipment package is supplied with two separate lube oil system; one for the gas turbine and one for the generator. The oil reservoirs and piping are all stainless steel and the lube oil system valves have stainless steel trim. Each lube oil system has a pump, simplex filters, necessary valving and instrumentation, and thermostatic-controlled electric heaters. A dual fan, single core fin-fan cooler is provided to cool the turbine, generator lube oil and hydraulic oil. The cooler is mounted on the auxiliary trailer and the rest of the lube oil systems are mounted on the main trailer.

Switchgear

The basic equipment package is supplied with a 3 NEMA 3R switchgear enclosure. The switchgear includes a set of generator circuit breaker equipment, 2 sets of incoming line voltage monitoring equipment, a marshalling cabinet and a set of switchgear accessories. Permanent cable terminations from the neutral and lineside of the generator are also included. The customer is only required to connect the 11kV power cables at site.

Auxiliary Trailer

The auxiliary trailer is approximately 48' (14.6m) long and 8'-6" (2.6m) wide and weighs approximately 46,000 pounds (20,865kg) fully loaded. The trailer is provided with a tandem air ride suspension and includes the equipment listed below. Four landing legs are provided to support and level the trailer at site.

Auxiliary Trailer Skid

The auxiliary trailer skid includes the two fuel and water injection system components not mounted on the main trailer. The pumps, filters and necessary instrumentation are connected to the main trailer components at site with interconnected hoses. The auxiliary Equipment module and the main baseplate are also furnished.

Electro-Hydraulic Starting Module

The basic equipment package is supplied with a hydraulic starting which includes an electric motor driven hydraulic pump assembly, filters, coolers and controls, mounted on the auxiliary equipment module. A hydraulic motor is also mounted on the gas turbine accessory gearbox to turn the gas generator shaft. All piping and fitting on the baseplate, plus hydraulic connections between the auxiliary equipment module and the main baseplate are also furnished.

"Off Line" Soak Wash System

The basic equipment package is supplied with an "off line" cleaning system, with a water wash reservoir and all necessary filters and instrumentation supplied. Customer is required to provide purified water to the standards listed in the water injection system.

Fire Protection System

The basic equipment package is supplied with an installed fire and gas detection and extinguishing system includes hydrocarbon sensing and thermal detectors; complete with piping and nozzles in the engine compartments. The fire protection system includes cylinders of CO₂ extinguishant mounted on the auxiliary trailer. Seller furnishes a dedicated 24V DC battery and charger to power the fire protection system. Fire system alarms and shutdowns are annunciated at the turbine control panel. An alarm sounds at the turbine enclosure and unit control panel if the gas detectors sense high gas levels, or if the system is preparing to release the CO₂. When activated, the primary CO₂ cylinders discharge into the turbine compartments via multiple nozzles, and ventilation dampers close automatically. After a time delay, the reserve supply of CO₂ is discharged, if required.

Fin Fan Cooler

The basic equipment package is supplied with a 100% redundant dual fan, single core cooler with separate coils for the turbine, generator lube oil and hydraulic oil. The cooler is equipped with all interconnect piping and instrumentation necessary for the three circuits.

Turbine Ventilation Silencer

A Turbine ventilation silencer is provided with the package and is mounted on a rail system to slide into position at the jobsite. The silencer is bolted to the side of the turbine opposite the exhaust collector and expansion joint and fire damper are provided.

Digital Control System

The basic equipment package is supplied with a free-standing control panel suitable for mounting in an indoor, non hazardous area. The control system features an integrated electronic fuel management system with a PLC based programmable sequencer, vibration. monitor, fire system monitor, digital meter, and a digital generator protective relay module. A desk top PC with separate workstation and chair is provided for HMI control. Alarm and shutdown events are displayed on the HMI automatically. An Ethernet TCP/IP EGD or RS485 Modbus Port is provided to transmit unit conditions (status, pressures, temperature, etc) to the customer's distributed control system. An optional printer can be furnished to provide hard copy records. Power for the control panel is provided by a dedicated 24V DC battery system with dual 100% capacity chargers.

Generator Protective Relays

The basic equipment package is supplied with a microprocessor based generator protective relay module, mounted in the turbine control panel. Protective relay system includes all functions necessary for protection of the generator.

Unit Motor Control Center

A free standing lineup of motor controls for all motors furnished by GE is supplied. The motor control center is installed in the control house and also includes a 30kVA lighting and distribution transformer.

Battery and Charger System

The basic equipment package is supplied with a 24 VDC control system battery system and charger, a 24VDC fire system battery system and charger, and a 125 VDC switchgear and backup generator lube pump motor battery system and charger. The battery systems are fully wired and mounted in racks and are installed in the control house along with the wall mounted chargers.

Air Filter Trailer

The air filter trailer is approximately 48' (14.6m) long and 8'-6" (2.6,) wide and weighs approximately 46,000 pounds (20,865kg) fully loaded. The trailer is provided with a tandem air ride suspension and includes the equipment listed below. Four landing legs are provided to support and level the trailer at the jobsite.

The trailer is equipped with a two stage filtration system for both ventilation and combustion air, with panel type pre-filters housed in hinged doors and high efficiency bag barrier filters. Vane separators are installed in front of and behind the filtration system and inlet silencers are provided. A heating/cooling coil is provided with flanged customer connections for heating and chilling capability. An inlet plenum with access door is provided for access to the FOD screen and commissioning screen.

Ventilation fans for the turbine enclosure are installed on the air filter trailer. Three 50% fans are installed and are equipped with back draft dampers. All of the items listed are housed in the filter house that is complete with access door and lighting for maintenance, separate air paths and turning vanes and the necessary instrumentation. For connection to the main trailer, a flex connection for the combustion inlet to the engine bellmouth and a trailer flex connection are provided.

Exhaust Trailer

The exhaust trailer is approximately 48' (14.6m) long and 8'-6" (2.6,) wide and weighs approximately 40,000 pounds (18,144kg) fully loaded. The trailer is provided with a tandem air ride suspension and includes the equipment listed below. Four landing legs are provided to support and level the trailer at the jobsite.

The exhaust trailer is equipped with an expansion joint for trailer connection to the main trailer exhaust collector flange. An exhaust trailer is equipped with an expansion joint for trailer connection to the main trailer exhaust collector flange. An exhaust transition with access hatch, a horizontal exhaust silencer, a 90 degree exhaust elbow, and a vertical stack are also included. The stack is lifted into position at the job site. The exhaust trailer is 13'-6" (4.1m) tall for roading purposes and is 20' (6.1M) tall with the stack in position at site.

Exclusions

Listed below are the limits/exclusions to the Seller's scope of supply. All piping, wiring, cables, ducts, etc. connecting to these points is furnished by Buyer (or others).

Equipment System	Limits of Seller Scope
All piping, including Fuel Gas, Fuel Oil, Steam, Cooling Water, Heating Water, Demineralized Water, Lube Oil, Compressed Air, Instrument Air, Hydraulic Start Oil	Flanged or threaded connection on baseplate
Inlet Air-to-Filter	Atmosphere (non-standard duct by others)

Turbine Package Ventilation/Cooling Air	Atmosphere (non-standard duct by others)
Turbine Exhaust	Exhaust flange on main baseplate
Instruments on baseplate	Terminal box on baseplate
Instrument wiring in Turbine Control Panel	Wiring Terminal block in Turbine Control Panel
High Voltage Connections	Bus bar in lineside cubicle
Generator Ground Connections	Neutral cubicle
Electric Motors	Terminal box on individual motor
Ladders and Platforms for Air Filter	Ladders and Platforms for Inlet Air Filter maintenance only
24 V DC Batteries and Chargers for Control System and Fire and Gas Systems	Battery terminals to baseplate (if supplied loose)

Further Exclusions to Seller's Scope of Equipment

- Civil engineering design of any kind
- Building and civil works
- Site facilities
- Drains and/or vent piping from the gas turbine package to a remote point
- Fuel storage, treatment and forwarding system
- Site grounding
- Lightning protection
- Power system studies
- Sensing and metering voltage transformers
- Machine power transformers, and associated protection
- Grid failure detection equipment
- Off-loading, transportation and storage
- Off-skid cabling, and design of off-skid cable routing
- Balance of plant and energy optimization controls
- Anchor bolts, embedments, and grouting
- Distributed plant control

- Buyer's remote control
- Field supervision
- High voltage transformer(s), cables, and associated equipment
- Interconnecting piping, conduit, and wiring between equipment modules
- Plant utilities, including compressed air supply and off-skid piping
- Battery containment
- Lube oil measurement other than that defined in the scope of supply
- Additional lube oil breather ducting other than that defined in the scope of supply
- Fuel transfer pump
- Off-skid fuel block and vent valves
- Fuel supply pipework beyond the scope of supply
- Generator controls other than that defined in the scope of supply
- Load sharing control
- Balance of plant controls
- Field Performance Testing
- Site Labor
- Ladders, Stairs, and Platforms for equipment beyond the gas turbine
- Absorption chiller and chilled water supply system
- Boiler feed pump and auto level control assembly
- Bus bars and bus duct beyond generator lineside and neutral enclosures
- Cooling tower and circulating water system
- Deaeration and chemical injection equipment
- Desuperheater equipment
- Filter house support structure, other than standard
- Gas compression, filtration, and separation or regulation equipment
- Heat recovery boiler and blow down controls
- Power plant calibration tools and ordinary hand tools
- Spare parts

- Steam filtration and purification equipment
- Steam turbine condenser and condensate pumping equipment
- Water injection pressurization equipment
- Water treatment and purification equipment