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Notes :

Scope of Supply - BOM
MEG Package 500KW / MAN E3262LE212

Quan	Item Description	Price Each	Net Price
	<p>**** M500B Biogas CHP Package - 500KW Max Output ****</p> <p><u>Biogas Genset - Can be converted to Natural Gas</u></p> <p>1 Engine: MAN E3262 LE212 - 1800 rpm</p> <p>1 Synchronous Generator - Stamford HCI634G</p> <p>1 Engine Coupler</p> <p>1 Frame - Steel with cross members for re-inforcement</p> <p>1 Dry type air cleaners</p> <p>1 Stainless exhaust flex pipes</p> <p>1 Engine jacket water heater w/ circulation pump</p> <p>1 Battery box and cables</p> <p>1 Battery{s}</p> <p>1 Oil, engine oil filled to operating level</p> <p>1 Operation & Maintenance Manuals</p> <p>1 Engine, Oil Pre-lube pump</p> <p>1 Pad-type isolators</p> <p>1 Governor, engine speed control</p> <p>1 Air / fuel ratio controls - Motortech</p> <p>1 Oil level regulator,w/float and site window</p> <p>1 Oil Make-up supply tank, 30 gal. {lube oil}</p> <p>1 Crankcase Ventilation system</p> <p>1 NOX Emissions Sensor</p> <p>1 Battery Charger, 20 Amp line charger</p> <p>1 Muffler and Rain Sleeve</p> <p>1 Labor for factory reconditioning of genset</p> <p><u>Biogas Supply Train</u></p> <p>1 Dungs, Gas Safety valve, electric</p> <p>1 Dungs, Last stage fuel pressure regulation < 5 PSI</p> <p>1 Gas Valve, Manual shut -off</p> <p>1 Flame arrestor for biogas</p> <p>1 Sage biogas flow meter</p> <p>1 Filter</p> <p>1 Labor for Gas Train</p>		



Quan	Item Description	Price Each	Net Price
	<p><u>Engine Cooling and Heat Recovery</u></p> <p>1 Remote radiator, Guntner</p> <p>1 Thermostatically controlled valves</p> <p>1 Engine IC and JW coolant pumps, electric</p> <p>1 Coolant Strainers</p> <p>1 Exhaust heat recovery unit - EHRU, With bypass valve</p> <p>1 IC and JW Heat Exchangers - Mueller Plate and Frame</p> <p>1 Customer process forwarding pump with electronic modulating controls</p> <p>1 Heat Recovery Control Panel</p> <p>1 Labor for factory manufacturing & assembly</p> <p><u>Parallelling Switchgear & Controls</u></p> <p>1 52G - Generator circuit breaker, Rack-out, Electronically Controlled</p> <p>1 IPR Panel for Utility Interconnect - SEL751</p> <p>1 Auxillary Contacts</p> <p>1 Freestanding control cubicles</p> <p>1 Digital master controller</p> <p>1 Engine interface - ComAp IntelliVision 8</p> <p>1 Remote communication pckg</p> <p>1 Emergency stop; local and panel mounts</p> <p>1 Local audible alarm</p> <p>1 METERING : (*KWH, *KVAR, *KW, *Power Factor, *THD, *Volts L-L L-N, *Frequency, *Tachometer, *Hour meter, *DC voltage, *Water temperature, *Engine oil pressure.)</p> <p>1 ALARMS/SHUTDOWNS: (*Low Oil Pressure, Low Oil Level, *High Water Temperature,*OC, *Low water level,*Governor failure, *Over-speed, *High exhaust temperature/pressure)</p> <p>1 AC PROTECTION RELAYS: (*Over-current, *Over-voltage, *Over-frequency, *Reverse-power, *Under-voltage, *Under-frequency)</p> <p>1 Genset control wiring harness</p> <p>Notes: 3D CAD models available Engine Rebuild, Package Reconditioning, and Warranty Available</p>		