

ProEnergy EPC

Job Description: "2 GE Fr VII EA's for CVG"

**RECAP OF COST ESTIMATE
(1,000'S)**

Project Name: CVG Pto Ordaz
Customer: CVG
Location: Ven
Bid Due Date: 13-Jan-10

Date: 13-Jan-10
Quote No: FS
Est By: MH/JM/RR

I. Balance of Plant1.0 Civil - Structural

1.1 Site Preparation	202	
1.2 Excavation - Fill	216	
1.3 Concrete Foundations	1,809	
1.4 Concrete Pilings		
1.5 Paving Asphalt - Concrete	773	
1.6 Gravel - Sand	374	
1.7 Structural Steel	211	
1.8 Fencing	141	
1.9 Architectural Treatment	-	
1.9 Evaporation Pond	-	
	<u>3,727</u>	3,727

2.0 Buildings

2.1 Various Bldgs	951	
	-	
	<u>951</u>	951

3.0 Mechanical

3.1 Major Mechanical Equipment	5,148	
3.2 Pipe, Valves and Fittings Material	1,000	
3.3 Mechanical Subcontractor	1,977	
3.4 Pipe, Valves and FTG Labor	1,905	
	<u>10,030</u>	10,030

4.0 Electrical

4.1 Major Electrical Equipment	1,752	
4.2 Substation Equipment	4,379	
4.3 Cable, Conduit, and Tray	1,100	
4.4 Plant Electrical Subcontractor	1,821	
4.5 Substation Subcontractor	598	
4.6 Cable, Conduit, and Tray Labor	2,313	
	<u>11,964</u>	11,964

5.0 Instrumentation

5.1 Cems	-	
5.2 Plant Instrumentation	130	
5.3 Instrumentation Subcontractor	186	
	<u>316</u>	316

6.0 DCS System

6.1 Hardware	220	
6.2 Software	149	
	<u>369</u>	369

7.0 Plant Erection

7.1 Plant Erection	4,981	
	<u>4,981</u>	4,981

8.0 Equipment Rental

8.2 Plant Equipment Rental	1,293	
	<u>1,293</u>	1,293

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<u>9.0 Painting</u>			265		265
<u>10.0 Transportation</u>					
10.1 BOP US Frt			200		
10.2 Ocean Frt BOP			300		
10.3 Inland Frt BOP			300		
			<u>800</u>		800
<u>11.0 Site Costs</u>			358		358
<u>12.0 Engineering</u>					
12.1 EPC Eng Labor			720		
12.2 Local Eng			105		
12.3 Eng Travel & Per Diem			167		
			<u>992</u>		992
<u>13.0 Project Management</u>					
13.1 Project - Inspectors - Commissioning Lab			833		
13.2 Travel & Per Diem			451		
			-		
			<u>1,284</u>		1,284
<u>14.0 Technical Reps</u>					
14.1 GTG Tech Rep	180	2,200.0	396,000		
14.2 Fire Water	15	2,000.0	30,000		
14.3 Gas Compressor	0	2,000.0	-		
14.4 Evap Cooler Pkg	0	2,000.0	-		
14.5 Water Treatment	15	2,000.0	30,000		
14.6 Commissioning / Start	90	2,000.0	180,000		
14.7 Controls Rep	90	2,000.0	180,000		
			<u>816</u>		816
<u>15.0 Project Tests</u>					
15.1 Soils Compaction			40		
15.2 Concrete Testing			80		
15.3 X Ray			80		
15.4 Plant Performance and Reliability			200		
15.5 Noise Emission Tests					
15.6 Protective Relays			30		
			<u>430</u>		430
<u>16.0 Legal</u>			75		75
<u>17.0 Insurance</u>					
17.1 Project Insurance			450		450
<u>18.0 Dismantling</u>	0	1,150	-		-
<u>19.0 Project Contingency/Risk</u>			39,099		1,400
<u>19.1 GT Performance Contingency</u>					-
<u>20.0 Sales Tax</u>			-		
BOP Cost					40,499
Gross Profit				25%	10,125
GTG Warranty and 5% Markup					-
<u>21.0 Commissions</u>	BOP 2.5%	Social Tax	1,266		1,266
	GT 3%		-		-
		BOP Sales Price			<u>51,889</u>

II. Gas Turbine Generator

Gas Turbine Cost		-		
Gas Turbine Ocean Frt		-		
Warranty		2,000		
Dual Fuel Conversion		6,000		
Gas Turbine Inland Frt		-		
	Mark Up	0.2	-	
			<u>8,000</u>	<u>8,000</u>

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RECAP OF COST ESTIMATE
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Total Sales Price

59,889