

ProEnergy EPC

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

RECAP OF COST ESTIMATE  
(1,000'S)

Project Name: 2ea Fr VII EA's Power Plant  
Customer: Kuwait  
Location: Kuwait  
Bid Due Date: 7-Apr-10

Date: 7-Apr-10  
Quote No: \_\_\_\_\_  
Est By: JSM

**I. Balance of Plant**

1.0 Civil - Structural

|                               |              |       |
|-------------------------------|--------------|-------|
| 1.1 Site Preparation          | 89           |       |
| 1.2 Excavation - Fill         | 144          |       |
| 1.3 Concrete Foundations      | 1,809        |       |
| 1.4 Concrete Pilings          |              |       |
| 1.5 Paving Asphalt - Concrete | 670          |       |
| 1.6 Gravel - Sand             | 181          |       |
| 1.7 Structural Steel          | 211          |       |
| 1.8 Fencing                   | 88           |       |
| 1.9 Architectural Treatment   | -            |       |
| 1.9 Evaporation Pond          | -            |       |
|                               | <u>3,191</u> | 3,191 |

2.0 Buildings

|                   |            |     |
|-------------------|------------|-----|
| 2.1 Various Bldgs | 719        |     |
|                   | -          |     |
|                   | <u>719</u> | 719 |

3.0 Mechanical

|  |               |        |
|--|---------------|--------|
| 3.1 Major Mechanical Equipment         | 8,212         |        |
| 3.2 Pipe, Valves and Fittings Material | 1,000         |        |
| 3.3 Mechanical Subcontractor           | 1,960         |        |
| 3.4 Pipe, Valves and FTG Labor         | 1,089         |        |
|  | <u>12,261</u> | 12,261 |

4.0 Electrical

|                                    |               |        |
|------------------------------------|---------------|--------|
| 4.1 Major Electrical Equipment     | 2,982         |        |
| 4.2 Substation Equipment           | 3,290         |        |
| 4.3 Cable, Conduit, and Tray       | 1,100         |        |
| 4.4 Plant Electrical Subcontractor | 1,449         |        |
| 4.5 Substation Subcontractor       | 53            |        |
| 4.6 Cable, Conduit, and Tray Labor | 1,212         |        |
|                                    | <u>10,085</u> | 10,085 |

5.0 Instrumentation

|                                   |            |     |
|-----------------------------------|------------|-----|
| 5.1 Cems                          | -          |     |
| 5.2 Plant Instrumentation         | 130        |     |
| 5.3 Instrumentation Subcontractor | 81         |     |
|                                   | <u>211</u> | 211 |

6.0 DCS System

|              |            |     |
|--------------|------------|-----|
| 6.1 Hardware | 320        |     |
| 6.2 Software | 149        |     |
|              | <u>469</u> | 469 |

7.0 Plant Erection

|                    |              |       |
|--------------------|--------------|-------|
| 7.1 Plant Erection | 1,605        |       |
|                    | <u>1,605</u> | 1,605 |

8.0 Equipment Rental

|                            |              |       |
|----------------------------|--------------|-------|
| 8.2 Plant Equipment Rental | 1,395        |       |
|                            | <u>1,395</u> | 1,395 |

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|   |               |                        |              |            |               |
|---|---------------|------------------------|--------------|------------|---------------|
| <u>9.0 Painting</u>                           |               |                        | 265          |            | 265           |
| <u>10.0 Transportation</u>                    |               |                        |              |            |               |
| 10.1 BOP US Frt                               |               |                        | 1,155        |            |               |
| 10.2 Ocean Frt BOP                            |               |                        | 900          |            |               |
| 10.3 Inland Frt BOP                           |               |                        | 600          |            |               |
|   |               |                        | <u>2,655</u> |            | 2,655         |
| <u>11.0 Site Costs</u>                        |               |                        | 389          |            | 389           |
| <u>12.0 Engineering</u>                       |               |                        |              |            |               |
| 12.1 EPC Eng Labor                            |               |                        | 1,170        |            |               |
| 12.2 Local Eng                                |               |                        | 105          |            |               |
| 12.3 Eng Travel & Per Diem                    |               |                        | 118          |            |               |
|   |               |                        | <u>1,393</u> |            | 1,393         |
| <u>13.0 Project Management</u>                |               |                        |              |            |               |
| 13.1 Project - Inspectors - Commissioning Lab |               |                        | 2,455        |            |               |
| 13.2 Travel & Per Diem                        |               |                        | 1,015        |            |               |
|   |               |                        | -            |            |               |
|   |               |                        | <u>3,470</u> |            | 3,470         |
| <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>          |               |                        | 39,878       |            | 1,400         |
| <u>19.1 GT Performance Contingency</u>        |               |                        |              |            | 250           |
| <u>20.0 Sales Tax</u>                         |               |                        | -            |            |               |
| <b>BOP Cost</b>                               |               |                        |              |            | <b>41,528</b> |
| <b>Gross Profit</b>                           |               |                        |              | <b>25%</b> | <b>10,382</b> |
| <b>GTG Warranty and 5% Markup</b>             |               |                        |              |            | <b>-</b>      |
| <u>21.0 Commissions</u>                       | <b>BOP 3%</b> | <b>Plugged</b>         | <b>1,557</b> |            | <b>1,557</b>  |
|   | <b>GT 3%</b>  |                        | <b>-</b>     |            | <b>-</b>      |
|   |               | <b>BOP Sales Price</b> |              |            | <b>53,468</b> |

**II. Gas Turbine Generator**

|                        |  |                |               |  |               |
|------------------------|--|----------------|---------------|--|---------------|
| Gas Turbine Cost       |  |                |               |  |               |
| Gas Turbine Ocean Frt  |  |                | 2,000         |  |               |
| Warranty               |  |                | 2,000         |  |               |
| Dual Fuel Conversion   |  |                | 7,000         |  |               |
| Gas Turbine Inland Frt |  |                | 800           |  |               |
|                        |  |                | <u>11,800</u> |  |               |
|                        |  | <b>Mark Up</b> | <b>0.2</b>    |  |               |
|                        |  |                | <b>-</b>      |  |               |
|                        |  |                |               |  | <b>11,800</b> |

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Total Sales Price

65,268