




| Wind Turbine Park Project Schedule |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | 0 | Task | Duration | Predecessors | Resources | Fixed Cost (SUS) | Do? | Output | Man-Days | Start by | Finish by | Slack | Cost (\$us) | 10 |
| 121 |  | Tnstallocal confrol system and wring | 21 days | ${ }^{120}$ | EPC[4] | \$200,000 | Y |  | ${ }^{34 \text { day }}$ | ${ }^{29}$ Mar 05 | 19 Apr 05 | 8 days | \$267,200 | ${ }^{121}$ |
| ${ }^{122}$ |  | Install remote control system (VPN) | 21 days | 121 | EPC[b] | \$40,000 | Y |  | 126 days | 19 Apr 05 | 10 May 05 | 8 days | \$140,800 | 122 |
| ${ }^{123}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 123 |
| 124 |  | Commissioning and Start-up | 51 days |  |  | \$0 |  |  | 246 days | 21 Apr 05 | 11 Jun 05 | 27 days | \$175,700 | 124 |
| ${ }_{125}$ |  | Mechanical | 7 days |  |  | so |  |  | ${ }^{28}$ days | 25 May 05 | 01 Jun 05 | 0 days | 524,900 | 125 |
| ${ }^{126}$ |  | Check hydraulic, cooling, and lubrcation levels and systems | 7 days | 104 | EPC[2] | \$2,000 | Y |  | 14 days | ${ }^{25}$ May 05 | 01 Jun 05 | 0 days | \$13,200 | ${ }^{126}$ |
| 127 |  | Retorque all structural bolts and fasteners | 7 days | 104 | EPC[2] | \$500 | Y |  | 14 days | 25 May 05 | 01 Jun 05 | 0 days | \$11,700 | 127 |
| ${ }^{128}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 128 |
| ${ }^{129}$ |  | Electrical and Instrumentation | 33 days |  |  | so |  |  | 43 days | 21 Apr 05 | 24 May 05 | 27 days | \$37,000 | 129 |
| ${ }^{130}$ |  | Connect to hign volage transmission ine | 1 day | 113,715 | EPC[2],PP[]] | 58,000 | r |  | $5^{\text {cays }}$ | 21 Apr Us | 22 Apr O5 | 35 days | \$4,000 | 130 |
| 131 |  | Check high side voltage (138kV) coonnections and protection | 1 day | 130 | EPC[2] | \$500 | r |  | 2 days | 22 Apr 05 | ${ }_{23}{ }^{\text {Apr }}$ O5 | 35 days | \$2,100 | 131 |
| 132 |  | Check low side voltage ( 690 V comnections and protection | 3 days | ${ }^{131}$ | EPC[2] | \$500 | $Y$ |  | 6 days | 23 Apr 05 | 26 Apr 05 | 35 days | \$5,300 | 132 |
| ${ }^{133}$ |  | Check 690 VAC to 120 VAC transtormer connections and protection | 1 day | 132 | EPC[2] | \$500 | Y |  | 2 days | 26 Apr 05 | 27 Apr 05 | 35 days | \$2,100 | ${ }^{133}$ |
| ${ }^{134}$ |  | Check local and remote control systems connections | 14 days | 122 | EPC[2] | \$500 | Y |  | 28 days | 10 May 05 | 24 May 05 | 8 days | \$22,900 | 134 |
| ${ }^{135}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 |
| ${ }^{136}$ |  | Civil | 7 days |  |  | so |  |  | 35 days | 25 May 05 | 01 Jun 05 | 10 days | \$37,800 | 136 |
| ${ }^{137}$ |  | Remove construction scrap and materials | 7 days | 104 | EPC[2] | \$1,000 | Y |  | 14 days | 25 May 05 | 01 Jun 05 | 10 days | \$12,200 | ${ }^{137}$ |
| ${ }^{138}$ |  | Clean up and plant grass seed at individual turbine sites | 7 days | 104 | EPC[2] | \$5,000 | Y |  | 14 days | 25 May 05 | 01 Jun 05 | 10 days | \$16,200 | 138 |
| ${ }^{139}$ |  | Clean up (grade) all roads | 7 days | 104 | RCC | \$1,000 | Y |  | 7 days | 25 May 05 | 01 Jun 05 | 10 days | \$9,400 | 139 |
| ${ }^{140}$ |  |  |  |  |  |  |  |  |  |  |  |  |  | 140 |
| ${ }^{141}$ |  | Star-up | 10 days |  |  | so |  |  | 140 days | 01 Jun 05 | 11 Jun 05 | 0 days | \$76,000 | 141 |
| ${ }^{142}$ |  | Startup | 10 days | 129,125,99, 106,110,117 | CEO,EPC[2],WTM[2],WPC[2] | \$1,000 | Y |  | 70 days | 01 Jun ${ }^{05}$ | 11 Jun ${ }^{\circ} 5$ | 0 days | \$38,000 | 142 |
| ${ }^{143}$ |  | Tune control sytems | 10 days | 142SS | CEO,EPC[2],WTM[2],WPC[2] | \$1,000 | Y |  | 70 days | 01 Jun ${ }^{\text {O }}$ | 11 Jun 05 | 0 days | \$38,000 | 143 |

