

ADDENDUM #3

December 23, 2013

**Fort Mojave Mesa Fire Department
Station 91
Turn-Key Solar Project RFP#13-01
Fort Mohave, Arizona**

No.	Sheet	Description
1-1.	26310	Omit specification section 2.1 Solar Electric Modules. Insert the following specification section 2.1 Solar Modules:
		<p>2.1 SOLAR ELECTRIC MODULES</p> <p>A. Product:</p> <ol style="list-style-type: none"> 1. Trina Solar, TSM-PA05.08 2. Approved equal. <p>B. Description: 60 cell <u>multicrystalline</u> module, 250 watt power output range, 15.9% maximum efficiency</p> <p>C. Electrical Data:</p> <ol style="list-style-type: none"> 1. Peak Power Watts-$P_{max}(Wp)$ 250 2. Power Output Tolerance-$P_{max}(\%)$ 0+3 3. Maximum Power Voltage-$V_{mp}(V)$ 30.3 4. Maximum Power Current-$I_{mp}(A)$ 8.27 5. Open Circuit Voltage-$V_{oc}(V)$ 37.6 6. Short Circuit Current-$I_{sc}(A)$ 8.85 7. Module Efficiency $\eta_m(\%)$ 15.3 <p>D. Mechanical Data:</p> <ol style="list-style-type: none"> 1. Solar cells <u>Multicrystalline</u> 156 × 156 mm (6 inches) 2. Cell orientation 60 cells (6 × 10) 3. Module dimensions 1650 × 992 × 35 mm (64.95 x 39.05 x 1.37 inches) 4. Weight 18.67 kg (41.0 lbs) 5. Glass High Transparency solar glass, 3.2 mm (0.13 in) 6. <u>Backsheet</u> White 7. Frame Black Anodized Aluminum Alloy 8. J-Box IP 65 or IP 67 rated 9. Cables Photovoltaic Technology cable 4.0 mm² (0.006 in²), 1000 mm (39.4 in) 10. Connector Original MC4 <p>E. Temperature Ratings</p> <ol style="list-style-type: none"> 1. Nominal Operating Cell Temperature (NOCT) 45°C (±2°C) 2. Temperature Coefficient of P_{MAX} - 0.43%/°C 3. Temperature Coefficient of V_{OC} - 0.32%/°C 4. Temperature Coefficient of I_{SC} 0.047%/°C <p>F. Maximum Ratings</p> <ol style="list-style-type: none"> 1. Operational Temperature -40~+85°C 2. Maximum System Voltage 1000V DC(IEC)/600V DC(UL) 3. Max Series Fuse Rating 15A

1-2. E1.1

Omit all notations of “Trinasolar TSM-250 PDG5 250 W modules” from the drawings and insert the following in its place; “Trinasolar TSM-250 PA05.08 250 W modules”.

1-3. RFI

Contractor Question: *Does the money to pay for Bid Alternate #1 (steel guardrail) need to come out of the \$75,000 project budget?*

Reply: No. The money for Bid Alternate #1 (*steel guardrail*) will be paid by the District out of additional funds.

END OF ADDENDUM

1324 addm3.doc