

**OIL INDIA LIMITED**

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**ANNEXURE-I**

**Tender No. : KID3335P07/02**  
**Tender Date : 10.11.2006**

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 99041445	<p>PNEUMATIC INDICATING TEMPERATURE CONTROLLER</p> <p>Technical Specification:</p> <ol style="list-style-type: none"> <li>1. Type : Pneumatic, Indicating with Proportional &amp; Reset Action</li> <li>2. Process Fluid : Natural Gas</li> <li>3. Sensing Element : Filled system</li> <li>4. Range : 0 to 100 Deg C (32 to 212 Deg F)</li> <li>5. Bulb Material : 316 SS</li> <li>6. Bulb Immersion Length : 12 inch (300 mm)</li> <li>7. Capillary Length : 15 feet (4.5 m)</li> <li>8. Thermowell Material : 316 SS</li> <li>9. Thermowell Connection : 1 inch NPT (M)</li> <li>10. Output Action: Direct/Reverse selectable</li> <li>On-Off: 125% output per % input</li> <li>Proportional: 0.2 to 35% output per % input</li> <li>Reset: 0.05 to 200 repeats per minute</li> <li>Differential Gap: 1 to 100%</li> <li>11. Supply : 20 psi</li> <li>12. Connection : Bottom connected, ¼ inch NPT</li> <li>13. Air Consumption : 0.2 scfm maximum</li> <li>14. Output Pressure : 3 to 15 psi</li> <li>15. Case &amp; Door : Glass Epoxy Reinforced Plastic</li> <li>16. Window : Glass/Acrylic</li> <li>17. Mounting : Vertical pipe mount</li> <li>18. Scale size : 160 mm</li> <li>19. Pointer : SP and PV on the same linear scale</li> <li>20. Repeatability : Minimum 0.3%</li> <li>21. Housing : Weatherproof, NEMA 3R, IP65</li> <li>22. Control : Internal Auto/Manual</li> <li>23. Accessories : Door Lock</li> </ol> <p>Mounting bracket for 2 inch pipe            2 inch, ¼ inch 0 to 30 psi Supply Gauge            2 inch, ¼ inch 0 to 30 psi Output Gauge</p>	34	PC

**Special Notes** : 1. The bidder must submit technical literature / catalogue of the offered product in duplicate along with the offer, failing which offer may be liable for rejection.  
 2. All the equipment are to be guaranteed against any manufacturing defect for a minimum period of 12 months from the date of commissioning or 18 months from the date of receipt.  
 3. The material must be accompanied with test/calibration certificates in the event of order which please confirm.  
 4. One set of operation and maintenance manual for each controller required to be supplied along with the material in the event of order which please confirm.