

Amendment-1 to Tech. Spec PY56217 Rev 00

Enquiry No: T7B1Q93856, [Fire Detection & Alarm System + Optical LHS+ PLC System](#), 4X270 MW Bhadradi TPS, TSGENCO, Telangana Project

S. No.	Reference	Subject	Addition/Deletion/Modification																																																																																																		
1	Cl. 6 [C] 3 of of PY 56217, Rev.00	IO Count(During detailed engineering IO's may shuffle in any of the panel, maintaining the same IO count) <table><tr><th>S. No.</th><th>System</th><th colspan="4">No. of I/O's</th></tr><tr><th></th><th>Analog Input</th><th>Analog Output</th><th>Digital Input</th><th>Digital Output</th></tr><tr><td>1</td><td>FPS PLC</td><td>20</td><td>8</td><td>144</td><td>40</td></tr><tr><td>2</td><td>Remote IO-1 (Foam pump house)</td><td>2</td><td>1</td><td>11</td><td>4</td></tr><tr><td>3</td><td>Remote IO-2 (Booster Pump House)</td><td>3</td><td>3</td><td>24</td><td>6</td></tr><tr><td>4</td><td>Interposing Relays</td><td>NA</td><td>NA</td><td>NA</td><td>Applicable for DO's</td></tr></table>	S. No.	System	No. of I/O's					Analog Input	Analog Output	Digital Input	Digital Output	1	FPS PLC	20	8	144	40	2	Remote IO-1 (Foam pump house)	2	1	11	4	3	Remote IO-2 (Booster Pump House)	3	3	24	6	4	Interposing Relays	NA	NA	NA	Applicable for DO's	IO count modified as per below table , bidder to consider these IO's for bid submission: <table><tr><th>Sl. No.</th><th>System</th><th colspan="5">No. of I/O 's</th></tr><tr><th></th><th></th><th>Analog Input</th><th>Analog Output</th><th>Digital Input</th><th>Digital Output</th><th>RTD Input</th></tr><tr><td>1</td><td>FPS PLC</td><td>88</td><td>24</td><td>376</td><td>112</td><td>96</td></tr><tr><td>2</td><td>Remote IO-1 (Foam pump house)</td><td>8</td><td>0</td><td>56</td><td>8</td><td>0</td></tr><tr><td>3</td><td>Remote IO-2 (Booster Pump House)</td><td>8</td><td>0</td><td>56</td><td>8</td><td>0</td></tr><tr><td>4</td><td>Interposing Relays</td><td>NA</td><td>NA</td><td>NA</td><td>Applicable for DO's</td><td>NA</td></tr><tr><td>5</td><td>SOE Points</td><td colspan="4">60</td><td></td></tr><tr><td>6</td><td>Hardwired Annunciation points</td><td colspan="4">96</td><td></td></tr><tr><td>7</td><td>Isolators & trip amplifiers</td><td colspan="4">40</td><td></td></tr></table>	Sl. No.	System	No. of I/O 's							Analog Input	Analog Output	Digital Input	Digital Output	RTD Input	1	FPS PLC	88	24	376	112	96	2	Remote IO-1 (Foam pump house)	8	0	56	8	0	3	Remote IO-2 (Booster Pump House)	8	0	56	8	0	4	Interposing Relays	NA	NA	NA	Applicable for DO's	NA	5	SOE Points	60					6	Hardwired Annunciation points	96					7	Isolators & trip amplifiers	40				
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Note: All other requirements of enquiry specifications remain unchanged.