

Controls & Instrumentation/Fossil Boilers
E,C&I input for Control Valve accessories

CI: TATA KALINGANAGAR: ECI:CV

Project : TATA KALINGANAGAR

Cust. No. : 1430 - 1431

Sl. No.	Description	Vendor's Compliance
1.	<p>SMART positioner: - Vendor to supply SMART positioner as per the requirements indicated in the Technical specification TCI:317/Rev. 05 and also meeting the project specific requirements indicated below.</p>	
	<p>Additional requirements for SMART positioner :-</p> <p>Positioner cover: - Dust tight, corrosion resistant IP 65 metal casing. (Die Cast Aluminium/SS316)</p> <p>Position sensing type: - Non – contact type, position sensor (no connecting linkage between Valve stem and SMART positioner) shall be provided in the SMART positioner for sensing the valve position.</p>	
2.	<p>Integral Junction Box:- All the valve accessories shall be wired suitably up to the terminal blocks present in the integral junction box. The terminal blocks shall be of cage clamp type suitable for 2.5 sq.mm. cable. Junction box shall meet the requirements of the protection class of IP- 65. The signals shall be terminated as per the TB nos. mentioned in BHEL wiring drawing.</p>	
3.	<p>Method of Termination of external cables to the integral junction box (i.e. Command & Feedback signals from external control system) :- 3 Nos. of Double compression type, Brass with Nickel plated, cable glands shall be provided suitable for the termination of cable of OD 16 mm.</p>	
4.	<p>Requirement of Remote Configuration & Diagnostic Software for SMART positioner:- MS WINDOWS (latest version) based diagnostic software capable of handling 1 tag at a time, meeting the requirement of Configuration, Diagnostics, Calibration and testing of the actuator, is required. The Software shall be supplied in a CD/DVD format. As applicable, the diagnostic software shall be compatible for diagnostic features like</p>	

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	Stroke counter or Travel counter, Leakage in actuators, Valve Signature analysis, Step Response test, Valve friction /Jamming detection etc.	
5.	Limit Switch Type & Contact Rating :- Proximity, Non- contact, inductive type, NAMUR grade limit switches shall be provided.	

- Accessories SMART positioner, Integral junction box, Cable glands, Limit switch shall be of explosion proof/flame proof construction taking care of the Gas group, Zone and Temperature class requirements and shall meet IP 55 protection class.

Note to Vendor :

Vendor to indicate "Confirmed" meeting the requirements as spelt above in the vendor's compliance column.

Name of the vendor with Signature & seal :
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