

Supply and commissioning of three phase multi turn stay put electrical actuator for operating sluice valve with the following specifications:	Qty:6 Nos.
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1. The actuator should have the following built in features
  - a. Limit Switches (for readout of full open/close status )
  - b. Potentiometer
  - c. Two Wire Position Transmitter
  - d. Integral Starter
  - e. 24 V DC Source
2. To operate existing 150 mm non-rising spindle sluice valve – Inching type
3. Output Torque: 200 Nm
4. Effective output speed : 20 rpm
5. Output Bore: 30 mm diameter
6. Mounting: F14
7. Motor Rating: 0.75 Kw / 1Hp
8. Motor Rated Current: 1.8 A
9. Weight: 80 Kgs
10. Travel Limit Switches: 2+2 = 4Nos (1NO+1NC)
11. Torque Limit Switches: 2Nos (1NO+1NC)
12. Supply Voltage: 3Ph, 415VAC, 50Hz
13. Potentiometer: 100-235 Ohms
14. Two Wire Position Transmitter: 4-20 mA
15. Built in 24V DC Source
16. Integral Starter
17. Self-Locking features
18. Local position indication such as fully open, fully close, power and push buttons for local operation.
19. Remote control option either by PLC or external wireless interface such as GSM or LoRa.
20. Local/Remote control selection switch.
21. Hand wheel o operate the valve in case of power failure.

Note:

1. Offer for indigenously designed and manufactured actuators only will be considered.
2. Offers from original manufactures of actuators will be preferred
3. Delivery schedule should be 6 to 8 weeks from the date of PO.
4. Offer should include site visit (Saphale-Umbarpada mutli-village water supply scheme in Palghar district, Maharashtra) to assess existing valve conditions & take measurements for mounting brackets/coupler required, supply, installation and commissioning of actuators at site.
5. One year comprehensive onsite warranty should be provided.
6. List of end users with contact details where the above type of actuators have been supplied and commissioned along with copies of POs.
7. Offers without complete technical data sheets and electrical wiring diagram of actuators will be not considered.
8. Relevant national and international standards compliance.
9. Pre dispatch inspection at factory will be done.
10. Actuators tested/proven with wireless (GSM/GPRS, 3G/4G, LoRa) remote control will be given preference.