

FORM AT FOR ELECTRICAL ACTUATORS PRICE BID ANNEXURE-1

1. Kindly go through the enclosed Technical specification SPEC:AC:001 Rev:07 & special terms and conditions and other documents enclosed in this NIT.
2. Confirmation shall be given to all points mentioned in the technical specifications duly stamped. Deviations if any to the technical specification shall be mentioned in a separate sheet.
3. Rates to be quoted including P&F charges.

CATEGORY - I - FOR STANDARD WATER TIGHT ACTUATORS

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	69	20				
20	6	32	8				
30	15	23	33				
40	30	99	23				
50	50	51	2				
60	60	23	33				
70	80	21	9				
80	100	11	17				
90	200	11	2				
100	400	12	3				
110	800	2	2				
120	1100	3	2				
130	1600	2	2				

CATEGORY - II - FOR STANDARD WATER TIGHT ACTUATORS WITH ELECTRONIC INTEGRAL STARTER

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	1164	291				
20	6	138	68				
30	15	71	275				
40	30	533	279				
50	50	264	53				
60	60	144	371				
70	80	207	183				
80	100	108	228				
90	200	50	18				
100	400	71	23				
110	800	38	14				
120	1100	89	5				
130	1600	2	2				

CATEGORY - III - FOR FLAME PROOF ACTUATORS WITH II A, II B CLASS

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	2	2				
20	6	2	2				
30	15	2	2				
40	30	2	2				
50	50	2	2				
60	60	2	2				
70	80	2	2				
80	100	2	2				

CATEGORY - IV - FOR FLAME PROOF ACTUATORS WITH II A, II B CLASS WITH INTEGRAL STARTERS

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	5	2				
20	6	5	2				
30	15	2	2				
40	30	5	5				
50	50	3	2				
60	60	2	2				

70	80	5	2				
80	100	2	2				

CATEGORY - V - FOR STANDARD WATER TIGHT ACTUATORS WITH SPRING LOADED ADAPTOR (O/ P DRIVE)

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	2	2				
20	6	2	2				
30	15	5	2				
40	30	2	2				
50	50	0	0				
60	60	2	2				
70	80	0	0				
80	100	2	2				

CATEGORY VI FOR ACTUATORS WITH ELECTRONIC INTEGRAL STARTER & WITH SPRING LOADED ADAPTOR (O/

Sl. No.	Torque range	Appx Qty for Trichy	Appx Qty for Goindwal	Model No	Unit Price For Trichy	Unit Price For Goindwal	Remarks
10	3.5	2	2				
20	6	2	2				
30	15	245	2				
40	30	20	2				
50	50	0	0				
60	60	2	2				
70	80	0	0				
80	100	2	2				

PRICE ADDERS FOR ADDITIONAL FEATURES

I	Stem Protection cover upto 250 mm long					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

II	Stem Protection cover 275 mm to 900 mm					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

III	Adaptors(Stem Nuts) Al Bronze as an additional spare					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

IV	Adaptors(Stem Nuts) Ni resist as an additional spare					
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PRICE ADDERS FOR ADDITIONAL FEATURES

SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
10	3.5				
20	6				
30	15				
40	30				
50	50				
60	60				
70	80				
80	100				
90	200				
100	400				
110	800				
120	1100				
130	1600				

V	Difference between Ni resist Stem Nuts & al Bornze Stem Nuts for conversion					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

VI	Optional prices for Electronic Position transmitter (EPT)					
	SNO	TYPE	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

VII	Optional prices for Non contact type Electronic Position transmitter (CEPT)					
	SNO	TYPE	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				

PRICE ADDERS FOR ADDITIONAL FEATURES

60	60				
70	80				
80	100				
90	200				
100	400				
110	800				
120	1100				
130	1600				

VIII	Providing Higher RPM in place of Standard RPM					
	SNO	TYPE	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

IX	Providing Plug and Socket (9PIN-1 plug & 1 socket)					
	SNO	TYPE	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

X

Integral Starter Unit with connectivity as an additional spare (suitable for conversion / suitable for attaching tonon-integral starter actuators)					
SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
10	3.5				
20	6				
30	15				
40	30				
50	50				
60	60				
70	80				
80	100				
90	200				
100	400				

PRICE ADDERS FOR ADDITIONAL FEATURES

110	800				
120	1100				
130	1600				

XI	Providing special features for additional Remote indication/ Remote command					
	SNO	TYPE	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	1	Local remote indication switch				
	2	Local/ Remote selector relay from DCS				
	3	Blinker indication (Local)				

XII	Price adder for providing 60/ 120 starts/ Hr Motors					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

XIII	Price adder for providing Power supply isolation switch					
	SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
	10	3.5				
	20	6				
	30	15				
	40	30				
	50	50				
	60	60				
	70	80				
	80	100				
	90	200				
	100	400				
	110	800				
	120	1100				
	130	1600				

XIV	Price adder for Actuator Power supply : 230V, 380V, 400V, 440V, 480V - 3PH, 50/ 60Hz					
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PRICE ADDERS FOR ADDITIONAL FEATURES

SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
10	3.5				
20	6				
30	15				
40	30				
50	50				
60	60				
70	80				
80	100				
90	200				
100	400				
110	800				
120	1100				
130	1600				

XV	Price adder for providing side mounted hand wheel if applicable				
SNO	TORQUE RANGE (Kgm)	Model No	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
10	3.5				
20	6				
30	15				
40	30				
50	50				
60	60				
70	80				
80	100				
90	200				
100	400				
110	800				
120	1100				
130	1600				

OPERATIONAL SPARES LIST

Note : If any spares apart from the list is found necessary for smooth functioning of actuators the same may also be separately indicated and offered.

Sl. No	General Description	Part no / Vendor description	FOR Trichy Unit Price (in Rs.)	FOR Gowindwal Unit Price (in Rs.)	Remarks
1	Limit Switch				
2	Limit Switch Assy.				
3	Torque Switch				
4	Torque Switch Assy.				
5	Electronic Position Transmitter (Ept) / Position Feedback Transmitters				
6	Contactless Electronic Position Transmitter (Clept) / Position Feedback Transmitters				
7	Motor				
8	Electronic. Card-Power				
9	Electronic. Card-Control/ Control Unit				
10	Power Supply Unit/ Power Pack				
11	Complete Seal Kit (Seals And O-Rings)				
12	Worm Shaft Assembly (Worm Shaft And Worm Gear)				
13	Motor Bearing				
14	Thrust Base				
15	Adaptor/ Stem Nut/ Sleeve				
16	Power Contactor Assembly				
17	Thermal Overload Relay (Olr)				
18	Mechanical Position Indicator				
19	Hand Wheel Set				
20	Stem Protection Covers For Different Lengths				
21	Plug & Socket				
22	Selector Switch Assembly				
23	Integral Starter Unit				
24	Thrust Bearing				
25	Mechanical Dial Position Assy.				
26	Terminal Board				
27	Seal Kit				
28	One Set Of Dccg Used				
29	All Push Buttons Used				
30	Position Feedback Transmitter (Resistance Type)				
31	Declutch Lever Assy Cpl.				
32	Led Assy Cpl.				
33	Pcb Relay Assy.Cpl				
34	Limit Switch Drive Wheel 2 Cpl				
35	Housing Complete				
36	Intermediate Limit Switch				
37	Intermediate Limit Switch Assembly				
38	Position Feedback Transmitter (Lvdt Type)				
39	Yoke Assembly				
40	Clutch Ring				
41	Centre Column				
42	Lsd Shaft				
43	Push Button Cover Assy				