

GATE Electric/Pneumatic Actuator Indenting Parameters

INTERNAL

Ref: GATE :Act:Data:ora:R827 R828 R829 R830 R831

Indenting Agency: RPT_CI
Project Name: YADADRI-1 800MW

Customer numbers
R827 R828 R829 R830 R831

Revno: 0

Key Way Details

SI No	PG	Ma	Pgma Desc	Tag	Qty	No Of Turns	Min RPM	6 minute Req'd Run Torque (kgm)	Starting Torque (kgm)	Stall Torque (kgm)	Bore Dia (mm)	Length (mm)	Width (mm)	Depth (mm)	Direction	Revision number	Revision Reason
1	57	010	GATE-FD FAN OUTLET		2	3.41	1.6	1312	3280	5300	95.05	200	25	5.4	LH		
2	57	010	GATE-FD FAN OUTLET		2	3.41	1.6	1312	3280	5300	95.05	200	25	5.4	RH		
3	57	430	FLUE GAS AH OUT GATE		4	3.18	1.6	1583	3959	5300	95.05	200	25	5.4	LH		
4	57	430	FLUE GAS AH OUT GATE		4	3.18	1.6	1583	3959	5300	95.05	200	25	5.4	RH		
5	57	460	GATE-ESP INLET		4	2.63	1.6	1583	3959	5300	95.05	200	25	5.4	LH		
6	57	460	GATE-ESP INLET		4	2.63	1.6	1583	3959	5300	95.05	200	25	5.4	RH		
7	57	470	GATE-ESP OUTLET		4	2.63	1.6	1583	3959	5300	95.05	200	25	5.4	LH		
8	57	470	GATE-ESP OUTLET		4	2.63	1.6	1583	3959	5300	95.05	200	25	5.4	RH		
9	57	110	GATE-PA FAN OUTLET		1	3.33	1.6	2652	6630	9000	125.05	285	32	7.4	LH		
10	57	110	GATE-PA FAN OUTLET		1	3.33	1.6	2652	6630	9000	125.05	285	32	7.4	RH		
11	57	480	GATE-ID FAN INLET		2	5.79	1.6	2652	6630	9000	125.05	285	32	7.4	LH		
12	57	480	GATE-ID FAN INLET		2	5.79	1.6	2652	6630	9000	125.05	285	32	7.4	RH		
13	57	480	GATE-ID FAN OUTLET		2	5.79	1.6	2652	6630	9000	125.05	285	32	7.4	LH		
14	57	480	GATE-ID FAN OUTLET		2	5.79	1.6	2652	6630	9000	125.05	285	32	7.4	RH		

NOTE: ① QTY MENTIONED ABOVE IS PER BOILER.

② EICRB SHALL REFER YADADRI TENDER SPECIFICATION FOR ANY SPECIAL C&I REQUIREMENTS PERTAINING TO ELECTRICAL ACTUATORS.

③ TAG NOS. WILL BE FURNISHED LATER.

④ FOR PGMA's - 57460, 57470 & 57480 - 0.8RPM IS ALSO ACCEPTABLE.

TOLERANCE ALLOWED: ⑤ WORKORDER: R827-520-1-57577.

BORE	KeyWay Width(w)	KeyWay Depth(D)
+0.05MM	W<=16 then -0.06mm,-0.02mm	D<=3.5mm then +0.01mm,-0.00mm
-0.00MM	W>16 then -0.07mm,-0.02mm	D<3.8mm then +0.02mm,-0.00mm

Suresh
28/12/17
M. SURESH
Engineer / G&D
BHEL/BAPIRANIPET - 632 406.

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28/12/2017
K. SURESH
DEPUTY GENERAL MANAGER
EDC - GATES & DAMPERS
BHEL/BAPIRANIPET - 632406.