



Bharat Heavy Electricals Ltd
Boiler Auxiliaries Plant
Ranipet - 632 406

EDC / AIR PREHEATERS
TECHNICAL SPECIFICATION
Effective Date: 15.12.2012

Specification No : RAH - 446

Rev. No : 00

Page No : 01 of 01

01.	Item	Anti-backlash worm gear Jactuator			
02.	Type	Inverted, Translating			
03.	Application	To use in Automatic Leakage Control System of air preheater.			
04.	Capacity	25 Tons			
05.	Raise	6 Inches			
06.	Worm Gear Ratio	32 : 1			
07.	Turns of worm for 1 inch raise	48			
08.	Worm shaft extension	At both sides, to be drilled for Rotary Limit switch mounting.			
09.	Screw end	End shall be threaded to a length of 6" with 3" - 4 UNC - 2A thread. Minimum closed extension shall be 7" from Jactuator base.			
10.	Bushing & Seals	Bronze bushing shall be provided at machine screw extending side. Oil seal shall be provided at each side of worm shaft.			
11.	Backlash	Anti-backlash nut with adjustment shall be provided.			
12.	Drawing	Drawing shall be submitted for approval prior to manufacture.			
13.	General	a) Cast steel shall be used for shell / casing. b) Dimensional drawing with Materials of construction/ catalogue shall be submitted along with the offer. c) Guarantee certificate and O&M manual shall be supplied after order.			
00	15.12.12	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	FRESH ISSUE
Rev.No	Date	Prepared	Checked	Approved	Record of Revisions.



Bharat Heavy Electricals Ltd
Boiler Auxiliaries Plant
Ranipet - 632 406

EDC / AIR PREHEATERS
TECHNICAL SPECIFICATION
Effective Date: 18.05.2013

Specification No : RAH - 447

Rev. No : 01

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01.	Item	Rotary Limit Switch with field adapter Kit.			
02.	Application	To use in Automatic Leakage Control System of Air Preheater.			
03.	Configuration	Shall have two micro – switches one for up and another for down stop. Actuated by individual limit switch nuts which travel laterally when screw is rotated.			
04.	Gear Ratio	10 : 1			
05.	Maximum input revolutions	300			
06.	Operating Temperature	50 deg C			
07.	Contact rating	15 amps at 240V, AC, 1 NO + 1 NC (SPDT)			
08.	Enclosure	NEMA – IV, water – tight and dust proof suitable for outdoor application in coal fired boiler dusty environment.			
09.	Lubrication	Shall be supplied with life–time lubrication.			
10.	Material of construction	Enclosure shall be made out of corrosion resistant material and housing With anodized aluminium.			
11.	Compatibility	Shall be suitable for use with machine screw jactuator.			
12.	Mounting	Field adapter kit shall also be supplied suitable for mounting on jactuator shaft.			
13.	Drawing	Dimensional drawing / catalogue shall be submitted along with the offer.			
14.	General	Guarantee certificate and O&M manuals shall be supplied after order.			
01	18.05.13	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	Operating temp was 65°C
00	15.12.12	-Sd- GA	-Sd- KP	-Sd- PPS	FRESH ISSUE
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