



**Specification No : RAH - 450      Rev. No : 01      Page No : 01 of 02**

01.	<b>Item</b>	<b>Torque Limiter</b>
02.	<b>Application</b>	Used in the Automatic Leakage control system drive of air preheater used in coal fired Boilers.
03.	<b>Surrounding</b>	Dusty and humid atmosphere of a coal fired boiler. Ambient Temperature 50°C.
04.	<b>Mounting Arrangement</b>	Input side coupled to worm gear reducer shaft and output side mounted on driven shaft connecting Jactuator through a gear coupling.
05.	<b>Speed of Rotation</b>	2 – 3 RPM
06.	<b>Operation</b>	Suitable for Bi-directional operation. When the transmitted torque exceeds 35 kg –m the torque limiter must disengage the drive. Provision must be there to activate a limit switch in the disengaged condition.
07.	<b>Dimensions &amp; Bore &amp; Keyway size</b>	As per Page 02 of 02. Variation in over all dimensions will be permitted to suit vendors standard manufacturing range.
08.	<b>Torque adjustability</b>	There must be provision for varying the torque at a range of +10% and – 50% of the rated value.
09.	<b>Nature of resetting</b>	Automatic.
10.	<b>General</b>	a) The Vendor must provide full details of the working of the torque limiter with drawing, materials of the construction, Catalogue and other pertinent information. b) O&M manual shall be supplied after order.
11.	<b>Inspection</b>	a) By BHEL inspector at vendor's works. b) Necessary test & Guarantee certificate shall be submitted.

01	21.05.13	<i>Santosh</i>	<i>[Signature]</i>	<i>[Signature]</i>	Ambient temp was 60°C
00	21.12.12	-Sd- GA	-Sd- KP	-Sd- PPS	FRESH ISSUE
<b>Rev.No</b>	<b>Date</b>	<b>Prepared</b>	<b>Checked</b>	<b>Approved</b>	<b>Record of Revisions.</b>

### BORE & KEYWAY DETAILS

