

TD-106 Rev No. 00 Form No.		PRODUCT STANDARD PUMPS HYDERABAD		FP60308	
				Rev No. 01	
				Page 1 of 3	
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.		<u>MECHANICAL SEALS FOR</u> <u>MDG405, MDG346, MLC400X300H, FA1B75 & EN7J40</u>			
		1.0.0 INTENT OF SPECIFICATION :			
		This specification is intended to cover the additional technical requirements over and above the specification requirements mentioned in the variant table. It covers Mechanical seals for Boiler Feed Pumps, MDG405 and MDG346, Boiler Feed Booster Pumps, MLC400x300H and FA1B75, Condensate Extraction Pump, EN7J40.			
		2.0.0 SCOPE OF SUPPLY:			
		The scope of supply shall include Design, Engineering and Manufacturing, Inspection, Testing, Packing and forwarding the Mechanical seals as per specification.			
		3.0.0 TECHNICAL REQUIREMENTS:			
		Over and Above the technical requirements mentioned in individual material specifications indicated in the variant table, the following requirements supersede and shall be incorporated.			
		3.1.0 All the components coming in contact with water shall be manufactured using chromium steel containing at least 13% chromium. <u>No deviation in this regard is acceptable.</u>			
		3.2.0 All Piping, pipe fittings, flanges & terminal points shall be of stainless steel and nominal pipe size shall not be less than DN 25.			
		3.3.0 Mechanical Seal operating under vacuum conditions shall be provided liquid sealing.			
		4.0.0 TESTS & GUARANTEE CERTIFICATES			
		All the seal units shall be tested for leak tightness and dynamic performance in a suitable test rig at vendor works. <u>Details of test procedure and test rig facility available shall be furnished for approval prior to the test.</u>			
		Type test on one mechanical seal of each type per Purchase Order shall be carried out at supplier's works to prove its dry running capability followed by dynamic performance test. Seal unit assembly shall be completely strip down after the performance test and any visible damage is not acceptable. The type test and the strip down examination shall be witnessed by BHEL representative.			
Ref. Doc		Revisions :	Prepared :	Approved :	Date :
		Refer to record of revisions :	ASK	MSR	22.02.18





PRODUCT STANDARD

PUMPS

HYDERABAD

FP60308

Rev No. 01

Page 2 of 3

VARIANT TABLE:

S.No	Description	Material Specification	Material Code
01	MECHANICAL SEAL,COUP.SIDE, MDG405	FP60225	FP9760308010
02	MECHANICAL SEAL,END SIDE, MDG405	FP60225	FP9760308029
03	MECHANICAL SEAL,COUP.SIDE, MDG346	FP60221	FP9760308037
04	MECHANICAL SEAL,END SIDE, MDG346	FP60221	FP9760308045
05	MECHANICAL SEAL,CW,DE, MLC400X300H	FP60197	FP9760308053
06	MECHANICAL SEAL,CCW,NDE, MLC400X300H	FP60197	FP9760308061
07	MECHANICAL SEAL, CW,DE, FA1B75	FP50571	FP9760308070
08	MECHANICAL SEAL, CCW,NDE, FA1B75	FP50571	FP9760308088
09	MECHANICAL SEAL, EN7J40	FP50164	FP9760308096

COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company.

Ref Doc

TD-106-3 Rev No. 5 Form No.		PRODUCT STANDARD PUMPS HYDERABAD			FP60308
					Rev No. 01
					Page 3 of 3
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED, It must not be used directly or indirectly in any way detrimental to the interest of the company.	RECORD OF REVISIONS				
	Rev. No.	Date	Revision Details	Revised By	Approved By
	01	21.05.18	Mechanical seal skid requirements removed. Variant table revised.	ASK	MSR

