



TD-106-1 Rev No. 5  Form No.		<b>PRODUCT STANDARD</b> <b>PULVERISERS</b> <b>HYDERABAD</b>		<b>Product</b> <b>STD NO.</b>	<b>BA 50107</b>
				Rev No <b>06</b>	
				Page <b>1</b> of <b>4</b>	
<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           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.         </div> <div> <p style="text-align: center;"><b><u>SPECIFICATION FOR AUXILIARY MOTORS</u></b></p> <p>These Motors are used to drive different pumps and fans in the Ball tube mills /Planetary gearboxes. These mills are used to Pulverise coal in thermal power plants.</p> <p>The specification of the Motors in general are as given below:</p> <ul style="list-style-type: none"> <li>a) Type of motor : squirrel cage induction motor</li> <li>b) Voltage, Frequency, Phases : 415V, 50 HZ, 3 Phase.</li> <li>c) Voltage variation : <math>\pm 10\%</math></li> <li>d) Frequency variation : <math>\pm 5\%</math></li> <li>e) Type of Protection : IP 55</li> <li>f) Method of cooling : Totally enclosed fan cooled</li> <li>g) Type of Duty : S1 (Continuous Duty)</li> <li>h) Earthing points : Shall be provided as per IS: 3043</li> <li>i) Direction of Rotation : Clock-wise (when viewed from drive end)</li> <li>j) Class of insulation : Class F</li> <li>k) Method of Starting : Direct on line</li> <li>l) Terminal box to be mounted on top. For details of output power. rated speed, frame Size, flange size, type of construction, the variant table may please be referred.</li> <li>m) Ambient temperature : 2 to 50 ° C</li> </ul> <p>The supply shall include required double compression type cable glands, necessary fasteners to mount/ fix the motors and required cable lugs (U Type)</p> <p>The motors should confirm to IS : 325 generally in all respects.</p> <p><b><u>TESTS:</u></b></p> <p>Certificates of type tests shall be submitted along with the offer. Routing tests shall be witnessed by BHEL representative.</p> </div> </div>					
<b>Revisions:</b>  <b>Refer to record of revisions:</b>		<b>Prepared:</b> G.KISTAIAH	<b>Approved:</b> JGK	<b>Date:</b> 03.05.04	

TD-106-1 Rev No. 5 Form No.		<h1 style="text-align: center;">PRODUCT STANDARD</h1> <h2 style="text-align: center;">PULVERISERS</h2> <h3 style="text-align: center;">HYDERABAD</h3>				Product	BA 50107
						STD no.	
						Rev No.	06
		Page 2 of 4					


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Documents to be given along with the offer.

- General arrangement and dimensional drawing.
- Data sheet of the motors giving the details of all performance characteristics. The values of performance shall be in accordance with IS: 8789.
- The details of bearings used (make, bearing No. Qty)

6 sets of installation, operation and maintenance manuals shall be supplied to pulverisers Engg. department after placement of purchase order.

Var. No.	Output Power KW	Rated speed RPM	Frame Size	Flange No.	Driven Equipment	Construction	Matl. code
01	3.0	1450	100L	F215B	GEAR PUMP	B35	BA9750107012
02	0.55	2770	71	--	GIRTH GEAR SEAL AIR FAN	B3	BA9750107020
03	7.5	715	160L	F300B	LP PUMP (SCREW)	VI	BA9750107039
04	11.0	965	160L	F300B	HP PUMP (4 BODY)	B35	BA9750107047
05	1.5	715	112M	F215B	HP PUMP ( 2 BODY)	B35	BA9750107055
06	5.5	950	132M	F265B	MAIN REDUCER LUBE OIL PUMP	B35	BA9750107063
07	0.55	1400	80	F165B	GIRTH GEAR GREASE PUMP	VI	BA9750107071
08	7.5	950	160M	F300B	LP PUMP	VI	BA9750107080
09	3.7	950	132S	F265B	HP PUMP	B35	BA9750107098
10	5.5	950	132M	F265B	LP PUMP (SCREW)	VI	BA9750107101
11	7.5	970	160M	F300B	4 BODY PUMP	B35	BA9750107110
12	5.5	709	160M	F300B	LP PUMP	VI	BA9750107128
13	5.5	1445	112M	F215B	PGB LOS	B3/B5	

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				STD no.	BA 50107
				Rev No.	06
				Page	3 of 4
<p><b>NOTE:</b> Frame size, Flange No, and type of construction are as per IS: 1231, IS: 2223 and IS: 2253 respectively.</p> <p>1) var. 11,12 are suitable for import lub-oil system (MLO) of Chandrapur, Vindhyachal, Unchachar TPS.</p>					

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