

**Technical specification Electromagnetic Ferro Filters with Rectifiers**

<b>Sl No</b>	<b>Specification</b>	<b>Requirement</b>
1	<i>Purpose</i>	<i>To remove ferrous material</i>
2	<i>Description of Operation</i>	<i>The ceramic fluid is pumped into the ferrofilter unit from top and the out let is taken form the bottom</i>
3	<i>Quantity</i>	<i>2 nos</i>
4	<i>Application</i>	<i>Removal of ferrous material from ceramic slurry</i>
5	<i>Capacity</i>	<i>2MT/Hr</i>
6	<i>Type</i>	<i>Electro Magnet</i>
	<i>Type of grid</i>	<i>Magnetic stainless steel strip grids</i>
7	<i>Material of Construction</i>	<i>All parts coming in contact shall be SS 304 Parts in contact with product/Liquid</i>
8	<i>Type of cooling</i>	<i>Oil Cooling</i>
9	<i>Operating voltage</i>	<i>2.5Kw@ 110-220VDC</i>
10	<i>Current</i>	<i>12 Amps</i>
11	<i>Coils</i>	<i>Copper, 4 coils connected in series</i>
12	<i>Rectifier unit</i>	<i>Suitable to the operating voltage of Ferrofilter coil</i>
13	<i>Diameter of inlet pipe</i>	<i>63mm</i>
14	<i>Diameter of outlet</i>	<i>100mm</i>
15	<i>Temp. Of product/liquid</i>	<i>80°C (Max)</i>
18	<i>Scope of Supply</i>	<i>Electromagnetic ferro filters with suitable rectifiers as per drg no MP-2158 &amp; MN2226</i>
24	<i>Safety features</i>	<i>Bidders to provide the details of safety devices &amp; features incorporated in the equipment.</i>

**Qualification criterion:**

Sl. No	BHEL Standard Terms & Conditions	Supplier's confirmation Yes / No	If Yes , Documentary Evidence provided for Compliance
1	The vendor shall be an Original Equipment Manufacturer (OEM). Dealers have to submit authorisation certificate from OEM		
2	The vendor shall have qualified personnel, their own adequate manufacturing / integrating and testing facilities for the equipment offered.		
3	The vendor shall have proven track record for manufacturing, supplying and successful commissioning of Ferro filters in the last 2 years		
4	The vendor shall submit audited balance sheet or tax returns or profit loss account for the last 3 years		