

 EPD - BANGALORE	Technical specification for Electromagnetic Ferro Filters	SPECIFICATION NO. EP-WEX-FF/2013-14
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Technical specification Electromagnetic Ferro Filters with Rectifiers

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

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Qualification criterion:

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