



## Annexure I

**BHARAT HEAVY ELECTRICALS LTD. BHOPAL****QUALITY CONTROL - QND****TECHNICAL AND DELIVERY SPECIFICATION – black magnetic powder**

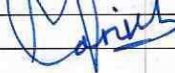
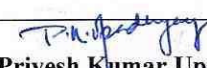

Sl no.	Aspect	Attribute	Action by Vendor	Vendor's remarks
1	Purpose	water based: black magnetic powder of fine particle size(max 20 microns or better),Sufficient water conditioner premixed.	Vendor to Confirm	
2	Shelf life	shall have a shelf life of minimum 5 years from the date of manufacturing.	Vendor to Confirm	
3	Enquiry sample	All bidders shall supply at least one 200 gm box of the offered black magnetic particle free of cost to reach QND department ,BHEL Bhopal on or before tender due date for evaluation failing which ,technical evaluation of their bid shall not be done and their bid shall be summarily rejected. No time shall be given for submission of enquiry samples after technical bid opening. Samples to be sent to : AGM-QND, Block 1 Annexe western Wing, First Floor, Bharat Heavy Electricals Limited, Bhopal 462022 Ph 0755-250-5678,3591	Vendor to Confirm and supply sample on or before due date	
4	Sample evaluation	<ul style="list-style-type: none"> <li>Settling volume as per ASTM E 709 (1.2 to 2.4 ml in 100 mm bath sample for visible particles) shall be verified and lowest cost shall be evaluated on the basis of actual particle concentration required to achieve median value of the settling volume .. Samples not achieving the recommended settling volume when used as per</li> </ul>	Vendor to confirm	

  
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		<p>manufacturer recommendations shall be rejected.</p> <ul style="list-style-type: none"> <li>Evaluation of MPI sensitivity shall be done on flawed specimens/known defects.</li> </ul>		
5	packaging	Black magnetic powder shall be packed in 200 grams moisture proof plastic box.	Vendor to confirm and clearly state net weight and gross weight of white contrast paint can	
7	Reference standard	Black magnetic powder shall meet the requirements of MPI inspections in line with ASTM/ ISO/ EN standards .	Vendor to Confirm	
8	Certificate and MSDS	Test certificate & Material Safety Data Sheet shall be provided along with quotation(for sample) and actual supply(for supply lot)	Vendor to confirm and provide	
9	Inspection upon supply	1 box randomly drawn from actual supply shall be inspected upon receipt at BHEL Bhopal and all test certificates and MSDS certificates shall be verified prior to acceptance of the supply lot. Any discrepancy in quality or test certificates shall lead to rejection of entire supply lot.	Vendor to confirm	

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