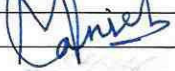
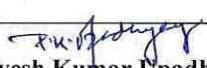
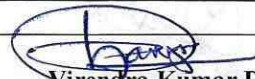


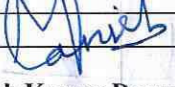
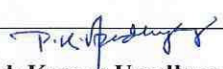
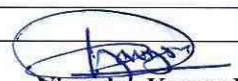
Annexure III

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

Sl no.	Aspect	Attribute	Action by Vendor	Vendor's remarks
1	Purpose	Flouroscent ink / powder-kerosene based: flouroscent magnetic powder of fine particle size(max 01 microns or better for wet fluorescent magnetic particle inspection	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 1 50 gm packet 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"> Settling volume as per ASTM E 709 (0.1 to 0.4 ml in 100 mm bath sample for fluorescent particles) shall be verified and lowest cost shall be evaluated on the basis of actual particle concentration required to achieve 	Vendor to confirm	

 Manish Kumar Dewangan Sr. Engr. (QND) मनीष कु. देवांगन / Manish Ku. Dewangan वरि. अभियंता / Sr. Engineer क्यू.एन.डी. विभाग / Q.N.D. Division बी.एच.ई.एल., भोपाल / BHEL, Bhopal	 Priyesh Kumar Upadhyay Dy Manager (QND) PRIYESH KU. UPADHYAY Dy. Manager-QND NDT L-II (PT, MT, UT, RT) BHEL, BHOPAL	 Virendra Kumar Dongre AGM (QFB, QND and QTH-HCM) V. K. DONGRE Addl. Gen. Manager (Quality) HOD (QC-HCM,FBM,NDT) B.H.E.L., BHOPAL
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		<p>median value of the settling volume . Samples not achieving the recommended settling volume when used as per manufacturer recommendations shall be rejected.</p> <ul style="list-style-type: none"> Evaluation of MPI sensitivity shall be done on flawed specimens/known defects. 		
5	packaging	Fluorescent 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	Fluorescent 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	

 Manish Kumar Dewangan मनीष कु. देवान / Manish K. Dewangan वरि. अभियंता / Sr.Engineer	 Priyesh Kumar Upadhyay Dy Manager (QND)	 Virendra Kumar Dongre AGM (QFB, QND and QTH-HCM)
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क्यू.एन.डी. विभाग / Q.N.D. Division
 बी.एच.ई.एल., भोपाल / BHEL, Bhopal

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