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धारक के नाम (A/C & DATE)		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार) PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)	FF53685 Rev 04 पृष्ठ का Page 1 of 4																				
स्वीकृत करने वाले (A/C & DATE)	SUPERSEDES (A/C & DATE)	CHROMITE SAND FOR USE IN FOUNDRIES																					
स्वीकृत करने वाले (A/C & DATE)	स्वीकृत करने वाले (A/C & DATE)	<p>1. General:</p> <p>This specification covers the requirements of Chromite sand for use in foundries.</p> <p>2. Application:</p> <p>The Chromite sand shall be used for facing of pattern and core boxes in mould and core making.</p> <p>3. Compliance with national standard:</p> <p>This specification is based on IS-6788:1973, reaffirmed 1997.</p> <p>4. Physical and Chemical Characteristics:</p> <p>4.1 Chromite sand grains shall be crystalline, mostly sub-angular in shape.</p> <p>4.2 The material shall have shining black appearance and shall be free from foreign material, e.g. low melting point minerals, carbonates.</p> <p>4.3 Chemical Composition:</p> <p>Chromite sand shall have typical analysis as under:</p> <table border="0"> <tr> <td>Cr₂O₃</td> <td>46% Min.</td> </tr> <tr> <td>Fe₂O₃</td> <td>27% Max</td> </tr> <tr> <td>MgO</td> <td>12% Max</td> </tr> <tr> <td>Al₂O₃</td> <td>16.5% Max.</td> </tr> <tr> <td>SiO₂</td> <td>1.1% Max.</td> </tr> <tr> <td>CaO</td> <td>0.5% Max</td> </tr> </table> <p>4.4 Clay - 0.5 % max.</p> <p>4.5 Moisture - 0.2% max.</p> <p>4.6 pH value of sand shall be in between 6.5 and 8.0</p> <p>4.7 Turbidity - 210 ppm max.</p>		Cr ₂ O ₃	46% Min.	Fe ₂ O ₃	27% Max	MgO	12% Max	Al ₂ O ₃	16.5% Max.	SiO ₂	1.1% Max.	CaO	0.5% Max								
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मशीन की सूची SIGN & DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार)		FF 53685 Rev.04	
		PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)		पृष्ठ Page 3	का of 4
मशीन की सूची मशीन की सूची मशीन की सूची	SUPERSEDES INVENTORY NO	8. Test Certificates:			
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.		8.1 Unless otherwise specified, one original and three copies of test certificate from the original manufacturer shall be supplied with each consignment bearing the following information. In order to facilitate quick clearance of material, the supplier shall ensure to send a copy of test certificate along with despatch document.			
		a. BHEL PO No. with Date b. Specification No. c. Supplier reference / trade mark d. Identification No. / Batch No. e. Properties as per Clause 4 & 5 f. Any other specific information which the supplier would like to convey.			
		8.2 Suppliers other than the original manufacturer shall ensure providing original manufacturer's test certificates with linkage to supplier's invoice stating the batch No., lot No., etc of the supply.			
		9. Packing and Marking:			
		9.1 Chromite sand shall be packed in bags. However, adequate protection from moisture pickup/contamination/loss of material during transportation and storage shall be provided.			
		9.2 The packing shall be of the original manufacturer's. The bags containing chromite sand shall be clearly marked with the following:			
		Supplier's name Name of the material Identification No./Batch No. Net weight			
मशीन की सूची SIGN & DATE	स्वतंत्रताधिकार एवं गोपनीयता इस दस्तावेज में दी गई जानकारी केवल सूचना के लिए है। इसका प्रयोग किसी भी अन्य उद्देश्य के लिए नहीं किया जाना चाहिए।				
मशीन की सूची SIGN & DATE			निर्माणकर्ता WORKED BY T DAVE		
मशीन की सूची SIGN & DATE			जांचकर्ता CHECKED BY AKC		

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Date of issue SIGN & DATE				संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार) PLANT PURCHASE SPECIFICATION (CFFP - HARDWARE)		FF53685 Rev 04 पृष्ठ का Page 4 of 4			
SUPERSEDES INVENTORY NO.		RECORD OF CHANGES							
माली सूची		REV CODE	NO. OF CHANGES	DOCU. NO.	SHEET NO.	SIGN	DATE		
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.		01	1. Clause 6.4 added. 2. Clause 8 modified.		2		29.08.03		
		02	1. Clause no. 4,5 and 6 modified. 2. TC requirement modified.		1 and 2		25.10.06		
		03	1. Clause No. 4.3 modified and 4.8 deleted		3				
				1		27.02.07			
		04	Clause 8 & 9 modified to introduced original manufacturer's criteria in test certificate & packing.		4		18.7.09		
स्वतंत्रताधिकार एवं गोपनीयता इस दस्तावेज़ में वर्णित सभी सूचनाएँ भारत भारी इलेक्ट्रिकल्स लिमिटेड की संपत्ति हैं। इनका प्रयोग केवल भारत भारी इलेक्ट्रिकल्स लिमिटेड के लिए ही किया जाना है। अन्य किसी भी प्रकार से इसका प्रयोग नहीं किया जाना है।		DISTRIBUTION OF PRINTS							
		RMI		<input checked="" type="checkbox"/>					
		STANDARD SECTION		<input checked="" type="checkbox"/>					
		MPIC		<input checked="" type="checkbox"/>					
माली सूची संख्या						निरीक्षणकर्ता WORKED BY	T DAVE		
						जांचकर्ता CHECKED BY	AKC	