

सामग्री प्रबन्धन (क्रय विभाग)

MATERIAL MANAGEMENT (PURCHASE)

सेन्ट्रल फाऊन्ड्री फोर्ज् प्लान्ट, भारत हैवी इलैक्ट्रिकल्स लिमिटेड

CENTRAL FOUNDRY FORGE PLANT, BHEL HARDWAR

रानीपुर, हरिद्वार (भारत)

RANIPUR, HARIDWAR (INDIA) – 249403

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Ref: FF/PPX/EOI/04

Dt. 01/06/2009

Sub: EXPRESSION OF INTEREST FOR SUPPLY OF Alkaline Resin &

Catalyst for use in Moulding.

Dear Sir,

CFFP/BHEL has huge requirement for following item and thus desires Expression of Interest from interested vendors for supply of this item.

EOI NO.	Description	Due date
FF/PPX/EOI/04	Alkaline Resin & Catalyst for use in Moulding.	30/06/2009

You are requested to please submit your interest along with Supplier Registration Form (which can be downloaded from our web site www.bhel.com).

Kindly note that supplier registration form is mandatory requirement for processing your application against this Expression of Interest.

Thanking you.

(Rohit Varshney) Engineer (Pur)

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Rate G		निर्देश (सी.एफ.एफ.पी हरिद्वार) HASE SPECIFICATION FP-HARDWAR)	FF06025 Rev0 पृष्ठ का Page 1 of 5							
SUPERSEDES INVENTORY NO	ALKALINE PHENOL FORMALDEHYDE RESIN AND CATALYST 1. General									
साम्बर्ग कुथ संस्था स्रोत्र अधिकविता करण	This specification governs the technical requirements of Alkaline Phenol Formaldehyde resin and catalyst for making moulds with silica or chromite sand to manufacture steel castings.									
¥	2. Application									
AND CONFILM KITIAL Epopore of Blass Electrical Lineadh most on a principal of the company	The resin and catalyst shall be used a mould and core making in Foundries.	is binder to prepare sand mix (silica or	r chromite) for makin							
	3. Compliance with national standar	rd								
	There is no national standard in comp	liance with above standard.								
COPYK.(3HT AND C on thes documents is the property energy or indirectly, in with a spill	4. Appearance									
The information on the not be used directly	other visible impurities. 4.2 The catalyst shall be colourless	reddish brown or dark red in colou to pale yellow clear liquid, free from a r at top and sedimentation at the b elf life.	ny suspended matter							
10 th	5. Properties									
	- C									
an or Book	5.1 RESIN:									
E A E	5.1 RESIN: The resin when tested shall have the Viscosity at 30 °C Density at 25 °C Nitrogen content Permissible content of Free phenol Permissible content of Free Formalde Solid content Shelf life	30-50 secs 1.2-1.3 gm/cc Traces 0.5% max.	eceipt of material at							
स्वरत्यातिकार प्रियं त्यापक्षित्तिः ्या भ के भ क्ष क्ष क्ष क्ष क्ष क्ष क्ष के क्षिण्य क्ष के क्षिण क्ष के क्ष क्ष क	The resin when tested shall have the Viscosity at 30 °C Density at 25 °C Nitrogen content Permissible content of Free phenol Permissible content of Free Formalde Solid content Shelf life	30-50 secs 1.2-1.3 gm/cc Traces 0.5% max. hyde 0.2% max. 50-60% Minimum 8 weeks after r CFFP	eceipt of material at							
स्वर्णाविकार प्रियं त्रीपम्बीस्तर्भः ्रांत अपन्य स्वरूप नार प्रमाणका का वे किस तार प्रमाण को कि बंधी के किस में इतिकारक से व किस माए ।	The resin when tested shall have the Viscosity at 30 °C Density at 25 °C Nitrogen content Permissible content of Free phenol Permissible content of Free Formalde Solid content Shelf life RMI KBS WAMPONIAN CHAIRMAN CPSC B RAHA	30-50 secs 1.2-1.3 gm/cc Traces 0.5% max. 0.2% max. 50-60% Minimum 8 weeks after r CFFP TRANSLATED BY TRANSLATED	eceipt of material at							
स्वरताविकार हिं गीपमितिकीं कुत्र से के ज इस्क । से स्मीतृत्वत्व के क्यांति है इसका प्रत्या एव अप्रत्य का है किती तह प्रति, के कि क्षेत्री के कित में इतिकारक से है किया जाए ।	The resin when tested shall have the Viscosity at 30 °C Density at 25 °C Nitrogen content Permissible content of Free phenol Permissible content of Free Formalde Solid content Shelf life	30-50 secs 1.2-1.3 gm/cc Traces 0.5% max. 0.2% max. 50-60% Minimum 8 weeks after r CFFP Significant WORKED BY T DAVE Distributed WORKED BY AKC / YNVRAO order wood SUPER VISED BY N KHAN	In I							

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-		IDANI		ARDWAR)	MION			01
5	5.2 CATALY	ST						
	per Clause		elf life of the cata	used with the resin so alyst should be more				
	5.3 Properti	es after mixing	g of Resin and Cal	talyst sand system:			41	
				strength shall be as g	iven below:			
	A	fter 4 hours - fter 24 hours	- 24 kg/sqcm	1				
H		winter, when		strength becomes slo	w, strength	develop	ment	afte
	5.3.2 8	Bench life shal	l be 10 minutes m	ninimum.		.5		
	533	Gas emission	during moulding	g and pouring shall	not be e	vcessive	which	h ini
		g on shop floo		g and pouring snan	not be e.	ACCSSIVE	WHICH	
6.	Sampling a	nd method	of preparation of	of sand mix				
	6.1 Samplin	9						
	The cor consignr	nposite samp nent on rando	les of resin and m basis.	catalyst shall be	drawn fror	n each	batch	of
2	6.2 Preparat	ion of sand m	ix					
4		nd (AFS 40-50 Phenolic Resir) - 100 parts 1 – 2.4% of sand					
	Catalyst	- 22% of resir	1.					
	6.3 The resi	n and catalyst	of the same source	ce will be used in a s	and mix.			
	6.4 Solid cor	ntent shall be	measured by heat	ting up resin at 150 °	C for 1 hou	r on a pe	tridis	h.
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Rate DATE

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FF06025 Rev 01 पुष्ठ

PLANT PURCHASE SPECIFICATION

(CFFP - HARDWAR)

Page 3 of 5

7. Acceptance Test

- 7.1 The supplier shall offer the material, batchwise to CFFP only after evaluating the suitability with respect to the properties in Clause 5 and 6.
- 7.2 CFFP shall however re-evaluate the properties as per Clause 5.3 for each batch of consignment. The properties as per Clause 5.1 will be checked on surveillance basis.
- 7.3 Within shelf life, if the binder do not meet the property requirements as per clause no. 5 and 6 of this specification, it shall be rejected irrespective of its previous acceptance. The supplier shall be liable for replacing such material free of cost.
- 7.4 The material shall be judged on shop floor during use for pungency of fumes. If it is found to be excessive and creating difficulties in working, the same shall be rejected.

8. Inspection, Deviation and Replacement

- 8.1 BHEL reserves the right to inspect material at site before despatch. The supplier shall intimate in advance enclosing a copy of test certificate of the material offered for inspection.
- 8.2 If the material received is not found in accordance with the requirements, it shall be rejected and the supplier will have to replace it free of cost at the earliest.
- 8.3 For any deviation from the specification demanded by the supplier prior approval of BHEL must be obtained in writing.

9. Test Certificates

Three copies of test certificates shall be supplied for every batch of resin and catalyst with the following information:

- a. BHEL PO No. with Date
- b. Specification No.
- c. Supplier reference
- d. Identification No. / Batch No.
- e. Date of manufacture
- Date of expiry
- Test results as per Clause 5 & 6 q.
- h. Any change in addition level
- Storage system for resin and catalyst
- Any other specific information which the supplier would like to convey.

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FF06025 Rev 01

of 5

PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)

Page

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10. Packing and Marking

The resin and catalyst should be supplied in sealed containers. The material of the container should be such that it will not have any effect on the quality of resin and catalyst. Each container shall have the following marking.

(a) Supplier's name and trade mark, if any.

(b) Name of the product

(c) Date of manufacture and date of expiry

(d) Batch No.

(d) Net Weight & Gross Weight

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SIGN & DATE

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directly or indirectly in any way. do. compa 7.3, 9 modified Clause 6.4, 7.4 added The information on not be used dis द्वारतायिकार एवं जे. जीवर्क राक्षित से कर् सुक्ता माता है कि जे. जे जराति है क्षण पत्ना एव जरावन कर है किसे के उठ वर्षा के बेब के की के दिन जे सुक्ता कर है कि कि वह वर्षा के DISTRIBUTION OF PRINTS RMI SIGN & DATE STANDARD SECTION MPIC निर्माणकर्ता TDAVE सामकी यूपी संख्या WORKED BY AKC/ YNVR जांवकर्ता

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