

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

Phone No. +91-1334-285326/284548, FAX No. 225892

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Ref: FF/PPX/EOI/19

Dt. 01/06/2009

Sub: EXPRESSION OF INTEREST FOR SUPPLY OF Resin & Catalyst.

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/19	Resin & Catalyst	20/07/2009

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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Skola and Skola		HASE -SPECIFICATIO	N Page 1 o	
100	PHENOL FORMALDEHYDE RESIN AND CATALYST SYSTEM 1.0General CONTROLLED COPY CTAL No. 03			
This s	pecification governs the te	chnical requirements for Phenol	Formaldehyde Resin	
N 60	st used in Foundries.			
2.0 Appli				
Crumperly must	he Resin and Catalyst shall I	be used as binder for sand mix for	or mould and core ma	
in George	Foundries.	Company of the last of the las		
Beeting 2.2 T		be procured from same source a		
t Heavy or the in	nall stand guarantee for the	performance of combination and	d ensure the compatil	
100 100	f resin and catalyst with san	d.		
roperty way det				
3.0 Appe				
3.1 T		oe clear liquid, free from dust and		
3.2D	uring storage, a separate la	yer at the top and sedimentation	at the bottom should	
partition by	e formed within the stipulate	ed shelf life.		
4.0 Prop	erties			
4.1 R	esin			
	e Resin shall have the follo			
Appeara	ince	Clear liquid (Brown)	B4 cup as per IS304	
Appeara Viscosity	ance y at 25° C	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in	B4 cup as per IS394	
Appeara Viscosity PH value	ance y at 25° C e	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5	B4 cup as per IS394	
Appeara Viscosity pH value Density	ance y at 25° C e at 25° C	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to1.25 gms/cm ³	B4 cup as per IS394	
Appeara Viscosity pH value Density	ance y at 25° C e at 25° C n content	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm ³ 0.6 % max	B4 cup as per IS394	
Appeara Viscosity PH value Density Nitroger Permissi	ance y at 25° C e at 25° C n content ible Free Phenol	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to1.25 gms/cm³ 0.6 % max 6% max	B4 cup as per IS394	
Appeara Viscosity PH value Density Nitroger Permissi	ance y at 25° C e at 25° C n content ible Free Phenol of Free Formaldehyde	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm ³ 0.6 % max	B4 cup as per IS394	
Appeara Viscosity PH value Density Nitroger Permissi	ance y at 25° C e at 25° C n content ible Free Phenol of Free Formaldehyde (Formalene)	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to1.25 gms/cm³ 0.6 % max 6% max	B4 cup as per IS394	
Appeara Appeara Viscosity PH value Density Nitroger Permissi content Solid co	ance y at 25° C e at 25° C n content ible Free Phenol of Free Formaldehyde (Formalene)	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum	B4 cup as per IS394	
Appeara Viscosity PH value Density Nitroger Permissi Content Solid co	ance y at 25° C e at 25° C n content ible Free Phenol of Free Formaldehyde (Formalene)	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum 3/15 m		
Appeara Appeara Viscosity PH value Density Nitroger Permissi content Solid co RMI MEPIC CHARMAN CPSC SEARCE SHITTI	ance y at 25° C e at 25° C n content fible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA AUPT AUPT Finale rich gird ein	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum Signature	RABORTY	
Appeara Appeara Viscosity PH value Density Nitroger Permissi Content Solid Co RMI MPIC CHARMAN CPSC SEAR Built Search Built Search Built RMI MPIC CHARMAN CPSC SEAR Built Search Bu	ance y at 25° C e at 25° C n content ible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum arganae TRANSLATED BY Bontoned WORKED BY T DAVE continued WORKED BY AK CHAK urdberned SUPERVISED BY NG SRIND EE Total Supervised BY NG SRIND EE Tot	RABORTY WASAN NUMBER SHPAGA	
Appeara Appeara Appeara Viscosity PH value Density Nitroger Permissi content Solid co RMI MPIC CHARMAN CPSC SEARS Share SEARS Share SEARS Share SEARS Share RMI MPIC CHARMAN CPSC SEARS Share SE	ance y at 25° C e at 25° C n content fible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA AUPT AUPT Finale rich gird ein	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum Bedrauer TRANSLATED BY Bedrauer WORKED BY TDAVE CHECKED BY AK CHAK Understand WORKED BY NG SRIND RESERVISED BY NG SRIND RESERV	RABORTY WASAN NUMWY B EIFIG DS COMMITTEE Figh Exemedial Reins	
Appeara Appeara Viscosity PH value Density Nitroger Permissi Content Solid co RMI MPIC CHARMAN CPSC TREAT TR	ance y at 25° C e at 25° C n content fible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA AUPT AUPT Finale rich gird ein	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum अञ्चलक TRANSLATED BY अञ्चलक WORKED BY T DAVE अञ्चलक WORKED BY AK CHAK पर्विचनकार SUPERVISED BY NG SRIND Extra Company STANDAR APPROVED PLANT STANDAR Sandar until 1988	RABORTY WASAN NAME OF EXPERIENCE DS COMMITTEE POR EXPERIENCE TO REPORT TO RE	
Appeara Appeara Viscosity PH value Density Nitroger Permissi content Solid co RMI MPIC CHARMAN CPSC CH	ance y at 25° C e at 25° C n content fible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA AUPT AUPT Finale rich gird ein	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum arganar TRANSLATED BY Burling WORKED BY T DAVE WORKED BY T TOAVE WORKED BY WG SRIND Extra control WORKED BY NG SRIND	RABORTY VASAN F 共伊石 DS COMMITTEE PR Zewiczińi Ratio	
Appeara Appeara Viscosity PH value Density Nitroger Permissi Content Solid co RMI MPIC CHARMAN CPSC SEARS Return	ance y at 25° C e at 25° C n content fible Free Phenol of Free Formaldehyde (Formalene) ntent NK SAHU KB SOOD KK GUPTA AUPT AUPT Finale rich gird ein	Clear liquid (Brown) 150-250 CP/ 50-80 seconds in 4 to 6.5 1.2 to 1.25 gms/cm³ 0.6 % max 6% max 0.3% max 71% minimum arganar TRANSLATED BY Burling WORKED BY T DAVE WORKED BY T TOAVE WORKED BY WG SRIND Extra control WORKED BY NG SRIND	RABORTY VASAN NAMAN F 共伊石 DS COMMITTEE PR Zewicziai Raia	

FF 06004 Rev 02 संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार) पृष्ठ Raine pa Page PLANT PURCHASE SPECIFICATION of (CFFP - HARDWAR) 4.2 Catalyst (Typical) The catalyst should be super saturated solution of para toluene sulphonic acid (PTSA). The minimum normality of the catalyst shall be 4 N. जनमी जूरी में अधिकृतित 4.3 Sand-Mixes 4.3.1 The sand mix prepared as per clause 5.0 shall be tested for compression strength, bench life and following requirement shall be met. COPYRIGHT AND CONFT. "ATIAL minion on this documents is the property of Blunch Heavy Electrical It mast not be used directly or indirectly in my way detrinormal to the Time after making of AFS Minimum compression strength at ambient temperature of 25-30° C standard specimen 2 Hour 16 Kg/cm² 4 Hour 18 Kg/cm² 24 Hour 32 Kg/cm² Bench life 15 minutes or more at 30° C В 10 minutes or more above 30°C with or without dilution 4.3.2 Gas emission during pouring of the mould: The fumes generated during sand preparation and mould/core making shall not be भारत हेवी तरह प्रथील, excessive which inhibit working on the shop floor. भित्रक में दी नवें द्वारका भ तथक उस से फिली भी ता तसे में डिट्या आहार । E स्वत्याधिकार एवं गोपनीयक SIGN TDAVE सम्बद्धी यूची अंक्रम 28.5.03 WORKED BY जांचकर्ता AKC CHECKED BY

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