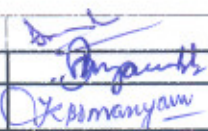
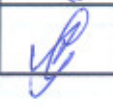


दिनांक एवं हस्ताक्षर SIGN & DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी. - हरिद्वार)		FF 06037 Rev 01	
		PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)		पृष्ठ का Page 1 of 4	
SUPERSEDES INVENTORY NO	PLYWOOD FOR PATTERN MAKING				
सामग्री सूची संख्या को अधिकृत करता	1. Scope : This purchase specification specifies the technical requirements for Plywood as one of the input materials in pattern making.				
COPYRIGHT AND CONFIDENTIAL The information on this documents 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.	2. Application: Plywood shall be used for making patterns of different shapes, maintaining dimensions, layout preparation, etc.				
	3. Compliance with National & International Standard : Specification is related to IS:303-1989 Amendment March 2000 and corporate specification AA51101 Rev 02.				
	4. Properties:				
	4.1 Moisture content: 5-15% 4.2 Glue shear strength in dry state (applicable for 4 mm thickness and above) Average value: 550 N minimum Individual value: 450 N minimum 4.3 The faces of plywood shall be reasonably smooth and veneers shall be of reasonably uniform thickness.				
स्वत्वाधिकार एवं गोपनीयता इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रयोग एवं आश्रय रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।	4.4 In pattern making, the ply sheets are often required to make cylindrical shapes. Therefore the plywood of 3 mm and 4 mm thickness shall be checked by bending to $\phi 600$ mm and $\phi 800$ mm respectively. There should not be appearance of crack in plywood or cracking sound while bending. This test shall be done on the samples to be supplied by the party before commencement of bulk supply. The bulk supply should also conform to the above mentioned requirement. The plywood of 3 mm and 4 mm should be flexible and should not crack or break during bending to cylindrical shape $\phi 600$ and $\phi 800$ mm respectively. This test shall be done on samples to be supplied by party alongwith their quotation. The bulk supply of plywood shall be in conformity of the approved samples.				
हस्ताक्षर एवं दिनांक	RMI MPIC CHAIRMAN CPSC	SOMNATH GHOSH SHYAM BABU KB SUBRAMANYAM	 दिनांक एवं हस्ताक्षर DATE & SIGNATURE	अनुवादक TRANSLATED BY विशीकृत WORKED BY जांचकर्ता CHECKED BY परीक्षणकर्ता SUPERVISED BY	T DAVE AK CHAKRABORTY AK CHAKRABORTY
सामग्री सूची संख्या INVENTORY	सहमत विभाग AGREED DEPTT.	नाम NAME	स्वीकृति APPROVED संस्थान मानक समिति PLANT STANDARDS COMMITTEE		
			तैयार PREPARED : FOUNDRY TECH	जारी ISSUED : FOUNDRY TECHNOLOGY	दिनांक DATE : 17.8.09

दिनांक एवं हस्ताक्षर SIGN & DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार)		FF 06037 Rev 01																
		PLANT PURCHASE SPECIFICATION (CFFP - HARDWAR)		पृष्ठ Page	का 2 of 4															
सामग्री सूची संख्या को अधिकतम करता	SUPERSEDES INVENTORY NO																			
COPYRIGHT AND CONFIDENTIAL The information on this documents 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		5. Tolerances: 5.1 Sizes: Length, width and thickness shall be as stated in PO. 5.2 The following tolerances on the nominal size of finished plywood shall be permissible: <table border="1"> <thead> <tr> <th>Parameter</th> <th>Nominal size</th> <th>Tolerance</th> </tr> </thead> <tbody> <tr> <td>Length</td> <td>all sizes</td> <td>+6/-0 mm</td> </tr> <tr> <td>Width</td> <td>all sizes</td> <td>+3/-0 mm</td> </tr> <tr> <td>Thickness</td> <td>Less than 6 mm</td> <td>±10%</td> </tr> <tr> <td></td> <td>6 mm and above</td> <td>±5%</td> </tr> </tbody> </table>				Parameter	Nominal size	Tolerance	Length	all sizes	+6/-0 mm	Width	all sizes	+3/-0 mm	Thickness	Less than 6 mm	±10%		6 mm and above	±5%
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स्वत्वधिकार एवं गोपनीयता इस प्रवेश में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयुक्त एवं अपव्यक्त रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए।		6. Acceptance: The material shall be accepted as per Clause No. 4 & 5. The supplier shall submit sample of size 300 mm x 400 mm alongwith the offer. 7. Test Certificates 7.1 Unless otherwise specified, One original and three copies of original manufacturer's test certificates 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. Date of manufacture g. Any other specific information which the supplier would like to convey. 7.2 Suppliers other than the original manufacturer shall ensure providing original manufacturer's test certificates with linkage to trader's invoice stating the batch No./lot No., etc.																		
हस्ताक्षर एवं दिनांक SIGN & DATE																				
सामग्री सूची संख्या			निर्माणकर्ता WORKED BY	T DAVE																
			जांचकर्ता CHECKED BY	AK CHAKRABORTY																

PLANT PURCHASE SPECIFICATION

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. However inspection at BHEL shall be final. The supplier shall offer BHEL representative all reasonable test facilities without charge to satisfy the latter that the material is being furnished in accordance with this specification. The supplier shall prepare and provide necessary test specimens for testing to be carried out at his premises. If facilities are not available at his works, the supplier shall make necessary arrangements for carrying out the prescribed tests elsewhere.
- 8.2 If the material received at CFFP 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. Packing and Marking

The material shall be suitably packed to avoid damage, breakage and moisture pickup during transit and storage. The packing shall be that of the original manufacturer's. Each consignment is to be legibly marked or labelled with the following information.

Specification No.

BHEL PO No.

Manufacturer's / supplier's name and trade mark if any

Batch No.

Size and quantity supplied

Date of manufacture.

Any material found broken, damaged, soiled due to improper packaging or mishandling during transportation or otherwise shall be rejected and has to be replaced in equal quantity by the supplier within 15 days of intimation.

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स्वत्वाधिकार एवं गोपनीयता इस प्रलेख में दी गई सूचना आदात होती है।

हस्ताक्षर एवं दिनांक
SIGN & DATE

ਸਾਜ਼ੀ ਸੁੰਧੀ

निर्माणकर्ता
WORKED BY

T DAVE

जांचकर्ता
CHECKED BY

AKC

दिनांक एवं हस्ताक्षर S/G DATE		संस्थान क्रय विनिर्देश (सी.एफ.एफ.पी - हरिद्वार)		FF 06037 Rev 01	
सामग्री सूची संख्या को अधिकृतित करा		SUPERSEDES INVENTORY NO.		पृष्ठ का Page 4 of 4	
COPYRIGHT AND CONFIDENTIAL The information on this documents 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		RECORD OF CHANGES			
		REV CODE	Clause No.	Nature of change	SIGN
		01	Clause 7 & 9	Original Manufacturer clause added for packing and test certificates.	17.8.09
DISTRIBUTION OF PRINTS					
स्वत्वाधिकार एवं गोपनीयता इस प्रलेख में दी गई सूचना भारत हेतु इलेक्ट्रिकल्स की सम्पत्ति है, सुरक्षा प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।		RMI		✓	
		STANDARD SECTION		✓	
हस्ताक्षर एवं दिनांक		MPIC		✓	
सामग्री सूची संख्या				निर्माणकर्ता WORKED BY	T DAVE
				जांचकर्ता CHECKED BY	AK CHAKRABORTY