



**CORPORATE PURCHASING  
SPECIFICATION**

**AA 51406**

**Rev. No. 02**

**PREFACE SHEET**

**VOLATILE CORROSION INHIBITOR (VCI)**

**TREATED PAPER**

**FOR INTERNAL USE ONLY**

**REMOVE THIS PREFACE BEFORE ISSUE TO SUPPLIERS**

**Comparable Standards:**

1. INDIAN : IS : 6263-1972--(Reaffirmed 2004)  
Class I

**Suggested / Probable Suppliers and Grades :**

1. M/S Himanshu Enterprises Bhopal

**User Plant References:**

1. HYDERABAD : ---  
2. CFFP, HARDWAR : ---

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**Revisions:**

**Cl: 8.5 of 8<sup>th</sup> MOM of WG -T&PM**

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### VOLATILE CORROSION INHIBITOR (VCI) TREATED PAPER

#### 1.0 GENERAL:

This specification governs the quality of Volatile Corrosion Inhibitor (VCI) Treated Paper Which is coated or impregnated with corrosion inhibitor which emits its vapour to the metal surface when kept in enclosed space.

#### 2.0 APPLICATION:

Used as packaging papers which when wrapped around ferrous metal components provide temporary protection to them against corrosion for short period.

#### 3.0 COMPLIANCE WITH NATIONAL STANDARD:

The material shall comply with requirements of following National standard and also meet requirements of this specification

IS 6263-1972 Re affirmed 2004: Volatile Corrosion Inhibitor (VCI) treated Paper Heavy duty, Class I

#### 4.0 FREEDOM FROM DEFECTS:

4.1 Sheets shall not stick together to such an extent that causes tearing or injury to the sheets when unrolled or separated.

4.2 Paper shall not show any appreciable loss of coating or impregnate in normal handling operations.

4.3 The paper shall not produce obnoxious vapors in such concentration so as to cause annoyance or health hazard to the persons handling them.

#### 5.0 DIMENSIONS AND TOLERANCES

5.1 **WIDTH:** 1000mm unless otherwise specified. Tolerance  $\pm 3$ mm

5.2 **Length/Roll:** 100meter

#### 6.0 TEST SAMPLES:

One square meter of treated paper shall be supplied for testing/approval purposes.

#### 7.0 PROPERTIES:

When tested with test method shown against each the test sample show following Properties

7.1 **Burst Factor (IS:1060 Part 1):** 30 Minimum

7.2 **Tear Factor (IS:1060 Part 1):** 120 Minimum

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**7.3 pH of Water Extract (IS1060 Part 1):  $7 \pm 1$**

**7.4 Vapour Inhibiting Ability (IS 6263)**

To be passed the test if no corrosion observed on surface

**7.5 Contact Corrosivity (IS 6263)**

To be passed the test if contact area within scribe marks on the test panel is not corroded.

**8.0 INSPECTION AT SUPPLIER'S WORKS:**

Whenever specified, tests and inspection are to be conducted in the presence of BHEL's representative.

The supplier shall offer BHEL's representative all reasonable 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. The supplier shall notify BHEL in advance about the readiness of the material for inspection and testing. BHEL reserves the right to test the material at BHEL's work and the final acceptance of the material shall be based on these test results.

**9.0 TEST CERTIFICATES:**

Unless and otherwise stated, three copies of certificates shall be supplied along with each consignment giving the following information.

In addition the supplier shall ensure to enclose one copy of test certificate along with their despatch documents to facilitate quick clearance of the material.

AA 51604 (Rev. No. 02) : Volatile Corrosion Inhibitor (VCI) Treated Paper

BHEL order no.

Manufacturer's / supplier's name.

Trade mark, if any.

Batch / lot no and consignment / identification No.

Test results of clauses 4,5 & 7

**10.0 PACKING AND MARKING:**

Each roll and package shall be packed suitably to avoid ingress of moisture during transit

and storage. Each package shall be marked with following.

AA 51604 : Volatile Corrosion Inhibitor (VCI) Treated Paper

BHEL Order No.

Manufacturer's / supplier's name.

Batch / lot No.

Trade mark, if any.

Sizes and quantity supplied

Caution: Use adequate ventilation. Wash hands with soap and water after use. Store paper in cool and dry place.

**11.0 REFERRED STANDARDS (Latest Publications Including Amendments):**

1. IS: 6263

2. IS: 1060