

## **Technical Specification of** **Insulating Kraft Paper**

### **Name of tendered material:**

1. Insulating Kraft paper thickness 2.0 mil width-750 mm
2. Insulating Kraft paper thickness 2.0 mil width-1000 mm
3. Insulating Kraft paper thickness 4.0 mil width-1000 mm

Insulating Kraft Paper Suitable For Electrical Purpose Conforming to the following IS or relevant IEC and any other latest amendments thereafter

**IS: 9335 (Part-I)-1979**

**IS: 9335-(Part-2)-1998**

**IS: 9335 (Part-3/sec-1)-1984**

**IS:5285-1998 edition 2.2 (2004-08)**

**Raw material:** Insulating Kraft Paper shall be made entirely from **soft wood pulp**. The manufacturer shall use the raw material as per IS/IEC. The scanned copy of test reports and invoices of **soft wood pulp**, purchased by manufacturer during last one year, shall be submitted by the bidder with their bid giving details of the supplier, contact no & email id failing which the bid shall not be considered. The manufacturer shall also produce the test reports and invoices of **soft wood pulp** to the representative of PVVNL at the time inspection report at manufacturer's premises.

**Acceptance tests :** The manufacturer firm shall have to produce invoices and test reports of raw material (soft wood pulp) used for manufacturing of tendered item, at the time of inspection/testing of material. The Insulating Kraft Paper shall be subjected to the following Acceptance tests in accordance with relevant IS/IEC–

<b><u>sl no</u></b>	<b><u>name of tests</u></b>
1	Thickness
2	Substance
3	Apparent Density
4	Tensile Strength Index MD
5	Tensile Strength Index CMD
6	Elongation MD
7	Elongation CMD
8	Tear Index MD
9	Tear Index CMD
10	Conductivity of aqueous Extract
11	pH of aqueous Extract
12	Moisture Content
13	Ash Content
14	Electric Strength In Air

### **Note:-**

1. The tenderer has to submit 02 nos samples (A4 size sheet) of each size duly signed with company seal, within three days from tender Part-I opening.