###### Annexure – ‘A’

**DPC Aluminium wire**

**TECHNICAL SPECIFIATION.**

**TECHNICAL SPECIFICATION:** DPC aluminium winding wires will be conforming to IS: 6162/1971 Part-I, preferably I.SI. marked.

**ALUMINIUM**: The conductor shall be manufactured from EC grade Al. annealed

grade ‘O’ conforming to IS: 4026/1969 having density 2.703 grm/ cubic C.M. at 20 degree C and resistivity 0.028 ohm: mm. sq. per meter at 20 degree C.

**PHYSICAL CONSTANTS OF THE CONDUCTOR:** Diameter, resistance, tensile strength and elongation DPC etc. shall conform to clasuse-4 and 7-1 of IS: 6162 (Part-I)/1971.

#### **GRADE AND TYPE OF COVERING:** It shall be ORDINARY ‘O’ grade and paper taps wound with each turn over lapping the preceding turn by not less than 25% of the paper width. The layers of the covering shall be wound in opposite direction in accordance with relevant ISS.

**PAPER:** It shall conform to clause-5 of IS: 6162 (Part- I)/1971 width and arrangement of layers of papers shall conform to clause-6 of IS: 6162 (Part- I)/1971.

For all the above specification only latest IS code of practice should be preferred to.

|  |  |
| --- | --- |
| **Sl No** | **Size of material** |
| 1 | 2.00 mm |
| 2 | 1.90mm |
| 3 | 1.70mm |
| 4 | 1.60mm |
| 5 | 1.50mm |
| 6 | 1.40mm |
| 7 | 1.32mm |
| 8 | 1.25mm |

**DPC Aluminium Strips**

**TECHNICAL SPECIFIATION .**

**TECHNICAL SPECIFICATION:** DPC aluminium winding wires will be conforming to IS: 6162(Part- 2)/1971 and

IS: 6160.1971 with latest amendments.

**ALUMINIUM**: The conductor shall be manufactured from EC grade Al. annealed grade ‘O’ conforming to IS: 4026/1969 having density 2.703 grm/ cubic C.M. at 20 degree C and resistivity

0.028 ohm:mm. sq. per meter at 20 degree C.

**PHYSICAL CONSTANTS OF THE CONDUCTOR:** Diameter, resistance, tensile strength and elongation DPC

etc. shall conform to clasuse-4 and 7-1 of IS: 6162 (Part-I)/1971.

**GRADE AND TYPE OF COVERING:** It shall be ORDINARY ‘O’ grade and paper taps wound with each turn over lapping the preceding turn by not less than 25% of the paper width. The layers of the covering shall be wound in opposite direction in accordance with relevant ISS.

**PAPER:** It shall conform to clause-5 of IS: 6162 (Part- I)/1971 width and arrangement of layers of papers

shall conform to clause-6 of IS: 6162 (Part-I)/1971.

For all the above specification only latest IS code of practice should be preferred to.

|  |  |
| --- | --- |
| **Sl No** | **Size of material** |
| 1 | (10.7x4.33)mm |
| 2 | (10x4.5) mm |
| 3 | (10X3)mm |
| 4 | (9.5x6)mm |
| 5 | (9.5x4.5)mm |
| 6 | (9.5x3.81)mm |
| 7 | (8.5x4.5)mm |
| 8 | (8x5)mm |
| 9 | (7.2x4.68)mm |
| 10 | (6x4)mm |
| 11 | (6.5x2.81)mm |

***Total Qty. 200 MT (Winding wire & Strips)***

**Note**:- The size wise and total quantity indicated above is tentative. It may be changed at the time of placing order according to the requirement of transformer repair work shop.