

## **RAW MATERIAL SPECIFICATIONS FOR 60 MT±25 % MILD STEEL STRIPS**

### **1. Scope**

This specification covers the requirements of steel tape used in armoring of power and telecommunication cable

### **2. Quality requirement**

The tape shall be mild steel cold rolled – strips Free from defect such as depression, elevation, binds, kinks, etc. It shall not have any sharp edges.

### **3. Material**

Type: St 1, folding quality.

Finish: unkilld, soft annealed, shear cut edges.

Surface: bright, metallicly pure surface.

All steel strips shall be confirm to DIN 1624 and meet the requirement as specified in table given below:

Sr.No	Parameter	Requirement
1.	Appearance	Free from rust bar patches.
2.	Tensile strength	32 – 46 Kg / mm <sup>2</sup>
3.	Min. Elongation	28 %
4.	Winding	No sign of cracks

### **4. Packing and quantity**

Width of tape	40 mm	40 mm
Thickness	0.20 mm	0.50 mm
Quantity	20 Ton	40 Ton
Inner Dia. of roll	200 mm	
Outside Dia. of roll	550 mm Max.	

The mild steel strips roll shall be one unwelded length of mild steel cold rolled strip. Wound on the specified metal core and packed as to be protected from contamination & damages during transportation and storage.

The rolls shall be packed together and wrapped with suitable water proof during transportation **and put in wooden boxes approx. 1000 kg .**

Each wooden box has a metal tag giving:

- Width and thickness of strip.
- Net weight of the coils.
- Serial number of the packing.

### **5. Test Certificate**

The supplier shall submit test report for each lot / batch of material.

### **6. Criteria of acceptance / rejection**

The material shall be subjected to inspection and the test shall be carried out for acceptance / rejection on part whole lot.

### **7. Sample**

One roll about 5 kg of mild steel strips tape to reach company before closing date by express delivery for making all tests.

The sample shall be the basis for accepting or rejecting the offer.