

TECHNICAL SPECIFICATION FOR THE G.I. WIRE 4 MM (No.8 SWG)

1. SCOPE:

This specification provides for manufacture, testing before despatch, supply and delivery of Galvanised Iron Wire.

2. STANDARDS:

The galvanised Iron Wires shall conform in all respects to the relevant IS and the galvanization shall be as per standards.

3. CONSTRUCTION:

The galvanized Iron wire required is 4 mm dia (8 SWG). The wires shall be with a minimum tensile strength of 55 Kgf./sq.mm.

4. SAMPLING CRITERIA:

Sampling Criteria and the tests shall be in accordance with IS:2141-2000.

5. TESTS:

5.1 Tests on wires before manufacture Ductility test in accordance with IS –1755;

i) Measurement of diameter.

5.2 Tests on completed strand:

i) Tensile and elongation tests as per IS: 2141

ii) Chemical analysis of sample from each lot.

iii) Coating test.

The uniformity of Zinc coating shall be tested by the method specified IS:2633-1964. The wire shall stand the number of dips as specified in IS:4826-1968.

6. GENERAL:

Weight of Coil

The wires shall be supplied in 50 Kg. coil

7. MARKING: Each coil shall carry a brand or be stamped with the following information:

a) Manufacturer's Name or trade mark.

b) Lot number & coil number

c) Size

d) Construction

e) Tensile designation

f) Lay

g) Coating

h) Length

i) Mass

j) Contract No. (P.O.NO.)

k) ISI Certification work if any

l) Identification mark APEPDCL.

The above shall be legible stamped upon a metallic tape securely attached to the coil.

8. SAMPLES:

Sample piece shall be produced along with the tender

9. PACKING: Each coil shall be wrapped in hessian and packed as per manufacturer practice.

10. Schedule of requirement, desired delivery and prices:

10.1 The schedule requirement and desired delivery are indicated in section-IV.