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**SPECIFICATION FOR GALVANISED HIGH CARBON STEEL WIRE
0.285 TO 0.292 MM DIA ON 5 KG REELS AS PER OCF-SK-13A2**

1. The wire shall have a diameter of 0.285 to 0.292 mm.
2. The steel material of the wire shall be as per IS-7904-1975 (65/E/01/I). It shall have following chemical composition:

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| Carbon | 0.65 to 0.75% |
| Manganese | 0.30 to 0.60 % |
| Sulphur & Phosphorus | 0.04% Maximum (Combined) |
| Sulphur | 0.025 % Maximum |
| Phosphorus | 0.025% Maximum |
| Silica | 0.15 to 0.35 % |
| Ni/Cr | 0.10 % Maximum |
3. The wire shall have a coating of zinc not less than 25 grams per kilogram of finished wire. The steel wire is to be coated with electrolytic zinc with 99.95% purity as per specification IS-209 or BS-3436 of 1961.
4. The UTS of the wire shall be between 200 to 225 Kg/mm².
5. The wire shall be able to withstand minimum 75 twists in 76 mm length.
6. The above material is to be supplied evenly wound on 5 Kg reel (to be supplied by OCFC) in single length without any knots etc whatsoever. Joint, if any, has to be made by using silver solder (60 : 40) and it must be a butt joint. Thereafter joint has to be smoothed using emery paper.
7. The wire shall be wound on reel evenly through-out from bottom to top. The turns shall not collapse over each other thereby entangling the wire and rendering the reel un-suitable for use.
8. The supplier shall paste on each supplied reel its identification mark.
9. The 5 Kg reel shall be supplied by OCF, Chandigarh. The freight charges have to be borne by the supplier for collecting the reels after depositing the required security deposit.
10. Each reel should have wire wound on it 4.2 to 4.7 Kg.
11. Properties from Sl. 1 to Sl. 7 shall be checked, before acceptance, on sampling basis (IS-2500 Part-I, Single Sampling Plan Inspection Level 4 AQL 1%). Number of reject reels, if more than the acceptance number given in the IS-2500 Part-I, shall render the whole lot as rejected. Moreover, badly rewound reels upon being detected in process at OCFC would have to be replaced free of cost.

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