

<div>TPCODL</div> <div>TP CENTRAL ODISHA DISTRIBUTION LIMITED</div>	TP CENTRAL ODISHA DISTRIBUTION LIMITED, BHUBANESWAR		
	TECHNICAL BOOKLET		
Document Title	GENERAL TECHNICAL PARTICULARS AND DRAWINGS		
Document No.	TPCODL-ENGG. -001	Issue Date: 31.03.2025	
Revision No.	04	Page 26 of 230	
Prepared by: Engineering Department	Reviewed By: Yashobanta Rout	Approved By: Khajan C. Bhardwaj	Issued By: Pourush Garg

13. **GI BARBED WIRE**

GENERAL TECHNICAL PARTICULARS

SL. NO.	TECHNICAL PARTICULARS	DESIRED VALUE
1	Nominal Diameter OF Wire	2.5mm (Line) x 2.5mm (Point)
2	Min Breaking Load of complete Barbed wire	3.7KN
3	Tolerance in diameter	+/- 0.08 mm
4	Tensile strength Of line Wire	390-590 N/mm ²
5	Type of coating Heavy/Medium/Light	Heavy
6	Variety Hard/Soft	Hard
7	Weight of Zn Coating (gm/mtr ²) (After stranding)	150
a	No of dips the coating is able to withstand at 18±2°C in CuSO4 Solution	2x 1 min ,1x ½ min
8	Distance from Between Two Barbs	75 mm +/- 12mm
9	Barbs Points	35° To the Axis of Wire Forming Barbs

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SL. NO.	TECHNICAL PARTICULARS	DESIRED VALUE
10	No of Lays in Between Two Consecutive Barbs.	2 to 7
11	Wrapping Test	8 ON x 8 OFF x OWN Dia
12	Adhesion Test	4D x 10 Turn
13	Freedom from defects	The wire shall be free from all kinds of surface defects.
14	Chemical composition of the MS Wire used shall not exceed (IS:7887/1992)	
a)	Sulphur & Phosphorous	0.055%
b)	Carbon	0.25%
15	Standard	IS: 278/2009
16	Weight of Each Coil (In Kg)	28-32
17	Marking/ Packing	Coil attached with a metallic tag containing:
		Manufacturer make & Trade mark,
		Coil no,
		Size,
		Length, Mass of coil
		TPCODL
		Year of Manufacturing