

SECURITY FENCING SYSTEM

Sl No.	Category	Description	High Security Fence
1	Welded Mesh Panel	Steel Wire	11 Gauge -0.120" (3.0mm) with PVC coating as ASTM F2453 - Horizontal
		Flat Bar	Vertical Reinforcing Bars 15mm wide x 5.0mm thick ($\pm 2\%$) placed at 75mm ($\pm 2\%$) intervals
		Mesh Size	76.2mm x 12.70mm
		Panel Size	2.80Mtr High x 2.91Mtr Wide
2	Concertina Razor Wire	No of Rows	03 Nos
		Diameter of Wire	600 mm Diameter (± 50 mm)
		Blade	SS - 316 Blades
		Turns/Coil	Galvanized Core Wire Dia 2.50mm(± 0.2 mm), Loops 24 (± 1) as per ASTM F1910
3	Barbed wire	Nos of Rows	6 Nos
		Diameter of Wire	12.5 - 0.098" (2.50mm) Gauge GI Wire according to ASTM A121 or ASTM A641, Class 111, With 14 gauge, 4
4	Line Post/ Corner Post/ End Post/ Pull Post	Pipe Diameter	Pipe Dia 88.90mm, SCH. 80 in accordance with ASTM A53.
		Wall Thickness	SCH. 80 Wall Thickness (7.62mm Thickness)
		Post Length	2.70Mtr above ground + 1.0mtr Below + 0.45 Mtr Y crank (Refer the attached drawing for Crank Specification)
		Post Interval	3.0 meter
5	Strut	Pipe Diameter	Pipe Dia 60.30mm, SCH. 40 in accordance with ASTM A53 at every 3m
		Wall Thickness	SCH. 40 Wall Thickness (3.91mm Thickness)
		Post Length	3.0 meter
6	Hot Dip Galvanizing	HDG	All steel materials should be Hot Dip Galvanized as per ASTM A123