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MEMORANDUM OF PERFORMANCE

Manufacturer:	Swaraj Secutech Pvt Ltd	
Product Reference:	S4500	
Product Description:	Static Bollard Array	
Test Standard:	IWA14-1:2013 Impact Test Specification for Vehicle Security Barriers	
Test Class:	N2A	
Target Speed (Km/h):	48	
Target Impact Energy (kJ):	640.0	
Target Impact Angle (°)	90	
Impact Point:	Target impact point was centre of vehicle to centre of gap between bollards	
Test Date:	25/08/2022	
Test House Ref:	1227354-001/A0030	



Performance Rating:	IWA14-1:2013 Bollard V/7200[N2A]/48/90:0.1		
Vehicle Penetration (m):	0.1		
Approved By:	Rachael Kennedy	t er	
Date: 25/08/2022	Head of HSPI Test Centre		

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