


## MEMORANDUM OF PERFORMANCE

Manufacturer:	<b>Swaraj Secutech Pvt Ltd</b>
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:	<b>Rachael Kennedy</b>	
Date: 25/08/2022	Head of HSPI Test Centre	