Shri Inder Singh Parmar was born on August 1, 1964 in village Pochaner, Tehsil Kalapipal, District Shajapur. He holds degrees of B.Sc. and LL.B.

Shri Parmar was first-time elected as the MLA from Kalapipal assembly constituency in 2013. In 2018, he got elected for the second time from Kalapipal assembly constituency. He was sworn in as Minister of State in the cabinet of Chief Minister Shri Shivraj Singh Chouhan on 2 July 2020.