

**Major NRM issues :**

**AESR 2.1:** The region is hyper arid ESR with shallow and deep sandy desert soils very low AWC and LGP < 60 days in a year.

<b>Districts</b>	<b><i>Land degradation</i></b>	<b><i>Soil health &amp; fertility</i></b>	<b><i>Water related constraints</i></b>	<b><i>Environmental constraints</i></b>
Barmer	Exclusively wind erosion	Low in OC, Soil deficient in N, P, Zn & Fe	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Bikaner	Exclusively wind erosion	Low in OC, Soil deficient in Zn, Fe, Mn & S	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Ganganagar	-	Low in OC & Soil deficient in Zn	Saline, GW Contaminated with F, NO <sub>3</sub> , As & Fe	Moderate Drought
Hanumangarh	-	Low in OC, Soil deficient in N & P	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Severe Drought
Jaisalmer	Exclusively wind erosion	Low in OC, Soil deficient in N, P, Zn, Fe & S	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Jodhpur	Exclusively wind erosion	Low in OC, Soil deficient in N, Zn & Fe	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought

**AESR 2.3:** The region is hot typic- arid ESR with deep, loamy desert soils (inclusion of saline phase), low AWC and LGP 60-90 days in a year.

<b>Districts</b>	<b><i>Land degradation</i></b>	<b><i>Soil health &amp; fertility</i></b>	<b><i>Water related constraints</i></b>	<b><i>Environmental constraints</i></b>
Churu	Exclusively wind erosion	Low in OC, Soil deficient in N, P, Zn, Fe & S	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Jalor	-	Low in OC, Soil deficient in N, P & Fe	Saline, GW Contaminated with F & NO <sub>3</sub>	Severe Drought
Hanumangarh	-	Low in OC, Soil deficient in N & P	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Severe Drought
Jhunjhun	-	Low in OC, Soil	Saline, GW	Severe Drought

		deficient in N, Zn & Fe	Contaminated with F, NO <sub>3</sub> & Fe	
Jodhpur	Exclusively wind erosion	Low in OC, Soil deficient in N, Zn & Fe	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Pali	-	Low in OC & Soil deficient in N, Zn, Fe, B & S	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought
Sikar	Exclusively wind erosion	Low in OC, Soil deficient in N, P & Fe	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Severe Drought
Sirohi	Exclusively wind erosion	Low in OC, Soil deficient in N, P, Zn, Fe & B	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	-
Nagaur	Exclusively wind erosion	Low in OC, Soil deficient in N, Fe & B	Saline, GW Contaminated with F, NO <sub>3</sub> & Fe	Extreme Drought