**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.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Barmer | Exclusively wind erosion | Low in OC, Soil deficient in N, P, Zn & Fe | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Bikaner | Exclusively wind erosion | Low in OC, Soil deficient in Zn, Fe, Mn & S | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Ganganagar | **-** | Low in OC & Soil deficient in Zn | Saline, GW Contaminated with F, NO3, As& Fe | Moderate Drought |
| Hanumangarh | **-** | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Jaiselmer | Exclusively wind erosion | Low in OC, Soil deficient in N, P, Zn, Fe & S | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Jodhpur | Exclusively wind erosion | Low in OC, Soil deficient in N, Zn & Fe | Saline, GW Contaminated with F, NO3 & 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.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Churu | Exclusively wind erosion | Low in OC, Soil deficient in N, P, Zn, Fe & S | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Jalor | **-** | Low in OC, Soil deficient in N, P & Fe | Saline, GW Contaminated with F & NO3 | Severe Drought |
| Hanumangarh | **-** | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Jhunjhunun | **-** | Low in OC, Soil deficient in N, Zn & Fe | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Jodhpur | Exclusively wind erosion | Low in OC, Soil deficient in N, Zn & Fe | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Pali | **-** | Low in OC & Soil deficient in N, Zn, Fe, B & S | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Sikar | Exclusively wind erosion | Low in OC, Soil deficient in N, P & Fe | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Sirohi | Exclusively wind erosion | Low in OC, Soil deficient in N, P, Zn, Fe & B | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Nagaur | Exclusively wind erosion | Low in OC, Soil deficient in N, Fe & B | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |

**AESR 4.1:** The region is hyper arid ESR with shallow and deep sandy desert soils very low AWC and LGP < 60 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Alwar | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N & B | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Bharatpur | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N, P, Zn & B | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Dholpur | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Jaipur | Ravine | Low in OC, Soil deficient in N, Fe & B | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |

**AESR 4.2:** The region is hyper hot dry semiarid ESR with deep loamy Gray Brown and alluvium-derived soils, medium AWC and LGP 90-120 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Ajmer | Ravine | Low in OC, Soil deficient in N, B & S | Saline, GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Bhilwara | Exclusively water erosion & Ravine | Low in OC, Soil deficient in Zn & Fe | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Bundi | Exclusively water erosion & Ravine | Low in OC & Soil deficient in N | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Dausa | **-** | Low in OC, Soil deficient in N, P, Zn & Fe | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Dungarpur | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N, P, B & S | GW Contaminated with F, NO3 & Fe | Extreme Drought |
| Jaipur | Ravine | Low in OC, Soil deficient in N, Fe & B | GW Contaminated with F, NO3 & Fe | Severe Drought |
| Karauli | Exclusively water erosion & Ravine | Low in OC & Soil deficient in N | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Rajsmand | Exclusively wind erosion | Low in OC, Soil deficient in N & Fe | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Swaimadhopur | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N, P & Zn | GW Contaminated with F, NO3 & Fe | **-** |
| Tonk | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N, Zn, Fe, B & S | Saline, GW Contaminated with F, NO3 & Fe | Moderate Drought |
| Udaipur | Exclusively wind erosion | Soil deficient in N & B | Saline, GW Contaminated with F, NO3 & Fe | Severe Drought |
| Chittaurgarh | Exclusively wind erosion | Low in OC | Saline, GW Contaminated with F, NO3 & Fe | **-** |

**AESR 5.2:** The region is hot moist semi-arid ESR with medium and deep, clayey Black soils (shallow black soils as inclusions), medium to high AWC and LGP 120-150 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bundi | Exclusively water erosion & Ravine | Low in OC & Soil deficient in N | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Banswara | Exclusively water erosion & Ravine | Low in OC, Soil deficient in N, Zn & Fe | Contaminated with F, NO3 & Fe | Severe Drought |
| Baran | Exclusively water erosion & Ravine | Soil deficient in N & S | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Chittaurgarh | Exclusively wind erosion | Low in OC | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Jhalawar | Exclusively wind erosion | Low in OC | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Kota | Exclusively water erosion & Ravine | Soil deficient in N | Saline, GW Contaminated with F, NO3 & Fe | **-** |
| Pratapgarh | Exclusively wind erosion | Low in OC, Soil deficient in Fe & B | Contaminated with F, NO3 & Fe | **-** |