**Major NRM issues :**

**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*** |
| Bhiwani | - | Low in OC, Soil deficient in N, P, Zn & Fe | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | Extreme Drought |
| Fatehabad | - | Low in OC, Soil deficient in N, P, K, S, Fe , B & Mn | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Hisar | Exclusively saline soils | Low in OC, Soil deficient in N, P, K, Fe & Mn | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Mahendergarh | Exclusively water erosion | Low in OC, Soil deficient in N, P, S, Zn & Fe | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Sirsa | Exclusively water erosion | Low in OC, Soil deficient in N, P, B & Fe | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |

**AESR 4.1 :** The region is hot semi-arid ESR with deep loamy alluvium-derived soils (occasional saline and sodic phases), 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*** |
| Faridabad | Exclusively water erosion | Low in OC, Soil deficient in N, K & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Gurgram | Exclusively water erosion | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, Fe & heavy metals | **-** |
| Jhajjar | - | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Jind | Exclusively sodic soils | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Kaithal | Exclusively sodic soils | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, Fe & heavy metals | **-** |
| Karnal | Exclusively sodic soils | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Kurukshetra | Exclusively sodic soils | Low in OC, Soil deficient in N & P | GW Contaminated with F, NO3 &Fe | **-** |
| Mewat | **-** | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F & NO3 | **-** |
| Palwal | **-** | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & As | **-** |
| Panipat | Exclusively sodic soils | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Rewari | Exclusively water erosion | Low in OC, Soil deficient in K & P | Saline, GW Contaminated with F, NO3 & heavy metals | **-** |
| Rohtak | **-** | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Sonipat | Exclusively sodic soils | Low in OC, Soil deficient in N & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |

**AESR 9.1:** The region is hot dry/moist subhumid transitional ESR with deep, loamy to clayey alluvium-derived (inclusion of saline and sodic phases) soils, medium AWC and LGP 120-150 days in a year.

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| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Ambala | **-** | Low in OC, Soil deficient in N, K & P | Saline, GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Panchkula | Exclusively water erosion | Low in OC, Soil deficient in N & P | GW Contaminated with F, NO3, As, Fe & heavy metals | **-** |
| Yamunanagar | Exclusively water erosion | Low in OC, Soil deficient in N, K & P | GW Contaminated with F & NO3 | Highly prone to Flood |