**Himachal Pradesh**

Himachal Pradesh comprises of two Agro Ecological Regions (AER) namely 14.

**Agro-Eco Region 14 :**AER 14 in Himachal Pradesh comprises of Bilaspur, Chamba, Hamirpur , Kangra, Kinnaur, Kullu , Lahul & Spiti, Mandi, Shimla, Sirmaur, Solan and Una districts of Western Himalayas under Agro Ecological Sub Regions (AESR) 14.1,14.2 and 14.3.

**Major NRM issues :**

**AESR 14.1 :** The region cold and warm by dry semi-arid/dry subhumid ESR with shallow to medium deep loamy Brown Forest and Podzolic soils, low to medium AWC and LGP 90-120 days in a year.

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| **Districs** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Chamba | **-** | Soil deficient in N | - | Extreme Drought |
| Hamirpur | - | Soil deficient in P, K & Zn | GW Contaminated with NO3 | **-** |
| Kinnaur | **-** | Soil deficient in N & K | **-** | **-** |
| Kullu | **-** | Soil deficient in N | GW Contaminated with NO3 | Extreme Drought |
| Lahul&Spiti | **-** | Soil deficient in N & K | **-** | **-** |

**AESR 14.2 :** The region warm moist to dry subhumid transitional ESR with medium to deep loamy to clayey Brown Forest and Podzolic soils, medium AWC and LGP 150-210 days in a year.

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| **Districs** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bilaspur | **-** | **-** | - | **-** |
| Chamba | - | Soil deficient in N | - | Extreme Drought |
| Hamirpur | **-** | Soil deficient in P, K & Zn | GW Contaminated with NO3 | **-** |
| Kullu | **-** | Soil deficient in N | GW Contaminated with NO3 | Extreme Drought |
| Lahul & Spiti | **-** | Soil deficient in N & K | **-** | **-** |
| Shimla | **-** | Soil deficient in P | **-** | Extreme Drought |
| Sirmaur | **-** | Soil deficient in N | **-** | Extreme Drought |
| Solan | **-** | **-** | GW Contaminated with NO3 | Extreme Drought |
| Una | Waterlogged | Soil deficient in P, K & Zn | GW Contaminated with NO3 | **-** |

**AESR 14.3 :** The region warm humid to perhumid transitional ESR with shallow to medium deep loamy brown forest and podzolic soils, low to medium AWC and LGP 270-300+ days in a year.

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| **Districs** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Hamirpur | **-** | Soil deficient in P, K & Zn | GW Contaminated with NO3 | **-** |
| Kangra | Waterlogged | Soil deficient in K | GW Contaminated with NO3 | Extreme Drought |
| Mandi | **-** | Soil deficient in N | GW Contaminated with NO3 | Extreme Drought |
| Shimla | **-** | Soil deficient in P | **-** | Extreme Drought |