**Telangana**

Telangana comprises of two Agro Ecological Regions (AER) 6 & 7.

**Agro-Eco Region 6:** AER 6 in Telangana comprises of Adilabad and Nizamabad districts of Deccan Plateau under Agro Ecological Sub Region (AESR) 6.2.

**Agro-Eco Region 7:** AER 7 in Telangana comprises of Hyderabad, Nalgonda, Mahabubnagar, Karimnagar, Ranga Reddy, Warangal, Medak and Khammam districts of Deccan (Telangana) Plateau and Eastern Ghats under Agro Ecological Sub Regions (AESR) 7.2.

**Major NRM issues :**

**AESR 6.2:** The region hot moist semi-arid ESR with shallow and medium loamy to clayey Black soils (medium land deep clayey Black soils as inclusion), medium to high AWC and LGP 120-150 days in a year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Adilabad | **-** | Low in OC, Soil Deficient in N & P | Saline GW Contaminated with F, NO3 & Fe |  |
| Nizamabad | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F, NO3 & Fe |  |

**AESR 7.2:** The region is hot moist semi-arid ESR with deep loamy and clayey mixed Red and Black soils, medium to very high AWC and LGP 120-150 days in a year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Hyderabad | **-** | Low in OC, Soil Deficient in N,P & K | GW Contaminated with F, NO3 & Fe |  |
| Karimnagar | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F, NO3 & Fe |  |
| Khammam | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F & NO3 |  |
| Mahabubnagar | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F, NO3 & Fe |  |
| Medak | **-** | Soil Deficient in N | Saline GW Contaminated with F, NO3 & Fe |  |
| Nalgonda | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F, NO3, As Fe & heavy metals |  |
| Ranga Reddy | **-** | Low in OC & Soil Deficient in N | GW Contaminated with F, NO3 Fe & heavy metals |  |
| Warangal | **-** | Low in OC & Soil Deficient in N | Saline GW Contaminated with F & NO3 |  |