**Odisha**

Orrisa comprises of two Agro Ecological Regions (AER) 12 & 18.

**Agro-Eco Region 12:** AER 12 in Odisha comprises of Anugul, Balangir, Baleshwar, Baragarh, Bauda, Bhadrak, Cuttack, Deogarh, Dhenkanal, Gajapathi, Ganjam, Jharsuguda, Jajapur, Kalahandi, Kandhamal, Kendujhar, Khordha, Koraput, Malkangiri, Mayurbhanj, Nabarangapur, Nayagarh, Nuapadha, Rayagarha, Sambalpur, Subarnapur and Sundargarh districts of Eastern (Chhotanagpnr) Plateau and Eastern Ghats under Agro Ecological Sub Regions (AESR) 12.1,12.2 & 12.3.

**Major NRM issues :**

**AESR 12.1 :** The region is hot moist subhumid ESR with deep loamy Red and Lateritic soils, low to medium AWC and LGP 180-210 days in a year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Anugul | **-** | Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe |  |
| Balangir | Waterlogged | Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe |  |
| Baleshwar | **-** | Low in OC , Soil deficient in N, P & K | Saline, GW Contaminated with F, NO3 & Fe |  |
| Baragarh | Waterlogged | Low in OC , Soil deficient in N & P | - |  |
| Bauda | **-** | Soil deficient in N & P | - |  |
| Bhadrak | Waterlogged | Soil deficient in N, P & K | Saline, GW Contaminated with F, NO3 & Fe |  |
| Cuttack | Waterlogged | Soil deficient in N & P | GW Contaminated with F, NO3 & Fe |  |
| Deogarh | **-** | Low in OC , Soil deficient in N & P | - |  |
| Jharsuguda | Waterlogged | Low in OC , Soil deficient in N & P | GW Contaminated with F, NO3 & Fe |  |
| Kalahandi | **-** | Low in OC , Soil deficient in N & P | - |  |
| Kandhamal | **-** | Low in OC , Soil deficient in N & P | - |  |
| Kendujhar | **-** | Low in OC , Soil deficient in N, P & K | GW Contaminated with F, NO3 & Fe |  |
| Koraput | **-** | Low in OC , Soil deficient in N & P | Saline, GW Contaminated with F, NO3 & Fe |  |
| Malkangiri | **-** | Low in OC & Soil deficient in N | GW Contaminated with NO3 & Fe |  |
| Nabarangapur | **-** | Low in OC & Soil deficient in N | GW Contaminated with Fe |  |
| Nuapadha | **-** | Low in OC , Soil deficient in N & P | GW Contaminated with F, NO3 & Fe |  |
| Rayagarha | **-** | Low in OC , Soil deficient in N & P | Saline, GW Contaminated with F& Fe |  |
| Sambalpur | **-** | Low in OC , Soil deficient in N & P | GW Contaminated with F, NO3 & Fe |  |
| Subarnapur | **-** |  | - |  |
| Sundargarh | **-** | Soil deficient in N | GW Contaminated with F, NO3 & Fe |  |

**AESR 12.2 :** The region is hot moist subhumid ESR with medium to deep loamy Red and Lateritic soils, medium AWC and LGP 180-210 days in a year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Bhadrak | Waterlogged | Soil deficient in N, P & K | Saline GW contaminated with F, NO3 & Fe |  |
| Cuttack | Waterlogged | Soil deficient in N & P | GW contaminated with F, NO3 & Fe |  |
| Dhenkanal | - | Low in OC, Soil deficient in N & P | Contaminated with F, NO3 & Fe |  |
| Gajapathi | Water erosion under open forest | Soil deficient in N | Saline GW contaminated with F, NO3 & Fe |  |
| Ganjam | Waterlogged | Soil deficient in N & P | GW Contaminated with F, NO3 & Fe |  |
| Jajapur | Waterlogged | Low in OC, Soil deficient in N, P & K | Saline GW contaminated with F, NO3 , Fe & heavy metals |  |
| Khordha | **-** | Soil deficient in N & P | GW contaminated with F, NO3 & Fe |  |
| Nayagarh | Waterlogged | Low in OC & Soil deficient in P | GW contaminated with F, NO3 & Fe |  |
| Rayagarha | **-** | Low in OC, Soil deficient in N & P | Saline GW contaminated with F& Fe |  |

**AESR 12.3 :** The region is hot moist subhumid ESR with medium to deep loamy Red and Lateritic soils, medium AWC and LGP 180-210 days in a year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Kendujhar | **-** | Low in OC, Soil deficient in N, P & K | GW contaminated with F, NO3 & Fe |  |