**Odisha**

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

**Agro-Eco Region 12:**

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

**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.

**Major NRM issues :**

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

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Anugul |  |
| Balangir |  |
| Baragarh |  |
| Bauda |  |
| Cuttack |  |
| Deogarh |  |
| Jharsuguda |  |
| Kalahandi |  |
| Kandhamal |  |
| Kendujhar |  |
| Koraput |  |
| Malkangiri |  |
| Nabarangapur |  |
| Nuapadha |  |
| Rayagarha |  |
| Sambalpur |  |
| Subarnapur |  |
| Sundargarh |  |
| Baleshwar |  |
| Bhadrak |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Anugul |  |
| Balangir |  |
| Baragarh |  |
| Bauda |  |
| Cuttack |  |
| Deogarh |  |
| Jharsuguda |  |
| Kalahandi |  |
| Kandhamal |  |
| Kendujhar |  |
| Koraput |  |
| Malkangiri |  |
| Nabarangapur |  |
| Nuapadha |  |
| Rayagarha |  |
| Sambalpur |  |
| Subarnapur |  |
| Sundargarh |  |
| Baleshwar |  |
| Bhadrak |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Anugul |  |  |
| Balangir |  |  |
| Baragarh |  |  |
| Bauda |  |  |
| Cuttack |  |  |
| Deogarh |  |  |
| Jharsuguda |  |  |
| Kalahandi |  |  |
| Kandhamal |  |  |
| Kendujhar |  |  |
| Koraput |  |  |
| Malkangiri |  |  |
| Nabarangapur |  |  |
| Nuapadha |  |  |
| Rayagarha |  |  |
| Sambalpur |  |  |
| Subarnapur |  |  |
| Sundargarh |  |  |
| Baleshwar |  |  |
| Bhadrak |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Anugul |  |
| Balangir |  |
| Baragarh |  |
| Bauda |  |
| Cuttack |  |
| Deogarh |  |
| Jharsuguda |  |
| Kalahandi |  |
| Kandhamal |  |
| Kendujhar |  |
| Koraput |  |
| Malkangiri |  |
| Nabarangapur |  |
| Nuapadha |  |
| Rayagarha |  |
| Sambalpur |  |
| Subarnapur |  |
| Sundargarh |  |
| Baleshwar |  |
| Bhadrak |  |

**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.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Cuttack | Waterlogged | Soil deficient in N & P |  |  |
| Dhenkanal | - | Low in OC, Soil deficient in N & P |  |  |
| Gajapathi | Water erosion under open forest | Soil deficient in N |  |  |
| Ganjam | Waterlogged | Soil deficient in N & P |  |  |
| Jajapur | Waterlogged | Low in OC, Soil deficient in N, P & K |  |  |
| Nayagarh | Waterlogged | Low in OC & Soil deficient in P |  |  |
| Rayagarha | **-** | Low in OC, Soil deficient in N & P |  |  |
| Bhadrak | Waterlogged | Soil deficient in N, P & K |  |  |
| Khordha | **-** | Soil deficient in N & P |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Cuttack |  |
| Dhenkanal |  |
| Gajapathi |  |
| Ganjam |  |
| Jajapur |  |
| Nayagarh |  |
| Rayagarha |  |
| Bhadrak |  |
| Khordha |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Cuttack |  |
| Dhenkanal |  |
| Gajapathi |  |
| Ganjam |  |
| Jajapur |  |
| Nayagarh |  |
| Rayagarha |  |
| Bhadrak |  |
| Khordha |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Cuttack |  |  |
| Dhenkanal |  |  |
| Gajapathi |  |  |
| Ganjam |  |  |
| Jajapur |  |  |
| Nayagarh |  |  |
| Rayagarha |  |  |
| Bhadrak |  |  |
| Khordha |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Cuttack |  |
| Dhenkanal |  |
| Gajapathi |  |
| Ganjam |  |
| Jajapur |  |
| Nayagarh |  |
| Rayagarha |  |
| Bhadrak |  |
| Khordha |  |

**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.

**Major NRM issues :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Districts** | ***Land degradation*** | ***Soil health & fertility*** | ***Water related constraints*** | ***Environmental constraints*** |
| Kendujhar | **-** | Low in OC, Soil deficient in N, P & K |  |  |

**Major technological Interventions:**

|  |  |
| --- | --- |
| **Districts** | **Major technological Interventions** |
| Kendujhar |  |

**Relevant Developmental Schemes:**

|  |  |
| --- | --- |
| **Districts** | **Relevant Developmental Schemes** |
| Kendujhar |  |

**Crop Planning/Farming System:**

|  |  |  |
| --- | --- | --- |
| **Districts** | **Existing Cropping/farming system** | **Alternate Cropping/farming system** |
| Kendujhar |  |  |

**Important Links :**

*District Soil nutrient status:*

*District Contingency Plan:*

*District Irrigation Plan:*

*District ground water status:*

*District Vulnerability status:*

***Relevant Research Institutes/SAUs/KVKs/STL for technical backstopping:***

|  |  |
| --- | --- |
| **Districts** |  |
| Kendujhar |  |