**Major NRM issues :**

**AESR 12.3:** The region is hot dry subhumid ESR with moderately deep to deep loamy to clayey Red and Lateritic soils, medium AWC and LGP of 150-180 days in a year.

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| **Districts** | **Land degradation** | **Soil health & fertility** | **Water related constraints** | **Environmental constraints** |
| Bankura | Exclusively water erosion | Soil deficient in N, B & S | Saline GW Contaminated with F, NO3 & Fe | **-** |
| Bardaman | Exclusively water erosion | Soil deficient in K | GW Contaminated with NO3, As & Fe | Moderately prone to Flood |
| Birhum | Exclusively water erosion | Low in OC, Soil deficient in N & S | GW Contaminated with F, NO3 & Fe | **-** |
| Pashchim Medinipur | Exclusively water erosion | Soil deficient in N, Fe, B & S | GW Contaminated with Fe | Highly prone to Flood & Cyclone |
| Puruliya | Exclusively water erosion | Low in OC, Soil deficient in N, Mn, B & S | Saline GW Contaminated with F & Fe | **-** |

**AESR 15.1:** The region hot moist subhumid ESR with deep loamy to clayey alluvium-derived soils, medium to high AWC and LGP 210-240 days in a year.

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| **Districts** | **Land degradation** | **Soil health & fertility** | **Water related constraints** | **Environmental constraints** |
| Bankura | Exclusively water erosion | Soil deficient in B & S | Saline GW Contaminated with F, NO3 & Fe | **-** |
| Bardaman | Exclusively water erosion | Soil deficient in K | GW Contaminated with NO3, As & Fe | Moderately prone to Flood |
| Birhum | Exclusively water erosion | Low in OC, Soil deficient in N & S | GW Contaminated with F, NO3 & Fe | **-** |
| Dakshin Dinajpur | - | Soil deficient in N, B & S | GW Contaminated with F & Fe | **-** |
| Haora | Coastal Salinity | Soil deficient in P & B | Saline GW Contaminated with As & Fe | **-** |
| Hugli | - | **-** | Saline GW Contaminated with Fe | Moderately prone to Flood |
| Malda | Waterlogged | Low in OC, Soil deficient in N | GW Contaminated with F, As & heavy metals | Moderately prone to Flood |
| Mursidabad | - | Soil deficient in Zn & B | GW Contaminated with NO3, As & heavy metals | **-** |
| Nadia | - | Low in OC & Soil deficient in S | GW Contaminated with F, As & heavy metals | Moderately prone to Flood |
| North 24 Pragana | Coastal Salinity | Low in OC, Soil deficient in N, Zn, B & S | Saline GW Contaminated with As, Fe & heavy metals | Highly prone to Flood & Cyclone |
| Pashchim Medinipur | Exclusively water erosion | Soil deficient in Fe, B & S | GW Contaminated with Fe | Highly prone to Flood & Cyclone |
| South 24 Parganas | Exclusively saline soils | Soil deficient in B | Saline GW Contaminated with F, As, Fe & heavy metals | **-** |
| Uttar\_Dinajpur | Exclusively saline soils | Soil deficient in N, Mn & S | GW Contaminated with F & Fe | **-** |

**AESR 15.3:** The region is hot moist humid to perhumid ESR with deep, loamy to clayey alluvium derived soils, medium AWC and LGP 270-300 days in a year.

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| **Districts** | **Land degradation** | **Soil health & fertility** | **Water related constraints** | **Environmental constraints** |
| Jalpaiguri | Exclusively water erosion | Soil deficient in N, B & S | GW Contaminated with Fe | Moderately prone to Flood |
| Kochbihar | Exclusively water erosion & Exclusively acid soils | Soil deficient in N, K, B & S | GW Contaminated with As | **-** |

**AESR 16.2:** The region is warm perhumid ESR with shallow to medium deep loamy Brown and Red Hill soils, low to medium AWC and LGP 300 days in a year.

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| **Districts** | **Land degradation** | **Soil health & fertility** | **Water related constraints** | **Environmental constraints** |
| Darjeeling | Acid soils under water erosion | Soil deficient in N, B & S | - | Highly prone to Flood |

**AESR 18.5:** The region is hot moist subhumid to humid ESR with deep, loamy to clayey Coastal and deltaic alluvium-derived soils, medium AWC and LGP 240-270 days in a year.

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| **Districts** | **Land degradation** | **Soil health & fertility** | **Water related constraints** | **Environmental constraints** |
| East Mednipur | Coastal Salinity | Low in OC, Soil deficient in N, Zn, B & S | Saline | **-** |
| South 24 Parganas | Exclusively saline soils | Soil deficient in B | Saline GW Contaminated with F, As, Fe & heavy metals | **-** |