

State Data Authority, State Transformation Commission, Government of Uttar Pradesh

Chief Data Officer (CDO)

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Reporting To

Chief Executive Officer, State Transformation Commission, Government of Uttar Pradesh.

Overall Mandate

To create a unified state data ecosystem enabling evidence-based policymaking, integrated citizen services, efficient governance, fraud reduction, and innovation while ensuring privacy, security, and compliance. The role will include policy formulation for state-wide data strategy, standards, data sharing, analytics, innovation, open data.

2. Core Responsibilities

A. State Data Strategy & Policy

- Prepare and implement the **State Data Policy and Strategy**.
- Draft state data governance policy, sharing policy, open data policy, and retention policy.
- Establish data ownership and stewardship framework across departments.

B. Data Integration Across Departments

- Integrate datasets from Health, Revenue, Agriculture, Education, Urban Development, Police, Social Welfare, etc.
- Develop a Single Source of Truth architecture.
- Create common identifiers and master registries (citizen, land parcel, enterprise, beneficiary, school, hospital).

C. Data Quality & Standards

- Define standards for metadata, data dictionaries, formats, APIs, and master data.
- Ensure data quality, timeliness, completeness, deduplication, and accuracy.
- Institutionalize departmental data audits.

D. Analytics & Decision Intelligence

- Build executive dashboards for CM Office / Chief Secretary / departments.
- Use AI/ML for forecasting, fraud detection, targeting schemes, grievance trends, traffic, health alerts.
- Promote district performance scorecards.

E. Citizen Service Transformation

- Enable proactive delivery of schemes through data-driven eligibility discovery.
- Support one-stop digital citizen platforms.
- Reduce repeat document submissions through trusted data exchange.

F. Privacy, Security & Responsible Use

- Ensure compliance with applicable data protection laws.
- Create consent, access control, anonymization, and audit mechanisms.
- Lead ethical AI and responsible data governance.

G. Open Data & Innovation

- Launch and manage state open data portal.
- Release non-sensitive datasets for startups, academia, and researchers.
- Promote hackathons and innovation challenges.

H. Capacity Building

- Develop data literacy among officers.
- Create departmental Chief Data Officer / Nodal Officer network.
- Build cadre of data analysts in departments.

3. Terms of Reference (ToR)

Strategic ToR

1. Prepare 3-year and annual State Data Action Plans.
2. Recommend legal, institutional, and policy reforms.
3. Advise government on emerging technologies and data economy opportunities.
4. Establish State Data Exchange Platform.
5. Set up enterprise data warehouse / Lakehouse.
6. Approve departmental data standards and integration roadmaps.
7. Oversee data quality scorecards across departments.
8. Review high-value datasets monthly.
9. Convene departmental CDO forum quarterly.
10. Resolve inter-departmental data-sharing issues.
11. Deliver KPI dashboards for top priorities.
12. Support evidence-based budgeting and policy evaluation.
13. Identify leakages and efficiency gains.
15. Coordinate with CISO for cyber and access controls.
16. Ensure privacy impact assessments for major projects.
17. Maintain audit trails and compliance reports.

4. Key Deliverables (First 12 Months)

1. State Data Policy approved.
2. Inventory of all departmental databases.
3. State master data architecture.
4. 10 priority departments integrated.
5. CM dashboard live.
6. Beneficiary deduplication engine launched.
7. Open data portal operational.
8. District performance analytics system live.

5. KPIs for Performance Evaluation

- Number of departments integrated
- Improvement in data quality scores
- Reduction in duplicate beneficiaries
- Faster service delivery time
- Savings detected through analytics
- Number of datasets published
- Dashboard usage by departments
- Training coverage of officers

6. Ideal Eligibility Profile

- Senior technocrat / domain expert with Master's degree.
- 15+ years in digital governance, analytics, IT systems, reform delivery
- Experience with large-scale public platforms and change management