

Precautions taken for **Transparency in an Examination** for
Water Conservation Officer (Civil) Group B, Non-Gazetted – This issue has been discussed in meeting held on
18th Feb 2024 chaired by Secretary, SWCD in Mantralaya with TCS representatives



Attempt to impersonate

- **Entry checks** (Admit card, valid ID proof) at Test Venue
- **Display of 2 photographs** in candidate screen
- Capture of **IRIS and biometrics** at the start of the exam
- **Additional checks** – Physical signature
- Identity Verification after every bio-break



Attempt to copy

- Candidate **seating disclosed ONLY post registration**
- **System based shuffling** – candidates, questions and options
- **Separate seating** arrangement for scribe
- Randomized Candidate **Node Binding**
- **CCTV** surveillance
- Prevent entry of **electronic gadgets** inside exam lab



Attempt to leak Question Paper before exam

- **Secured** iON Content Authoring Engine (CAE)
- **Authorized access** for each activity
- **No internet access** in system used for QP creation
- Sealed and **encrypted (256 bit) Question Paper** transferred to Data Centre using secured VPN
- **Bundle password** shared 30 mins before exam
- Prior to start of exam, **time check** between test venue servers & central data centre.
- Question paper **decryption only on the first candidate** log in to the exam



Collusion with Test Venue Staff

- **Invigilators** allocated to rooms post verification process
- **Randomized allocation** of IT Managers and Invigilators
- **Background check** for all TCS iON staff deployed
- **NDA signed** with all staff deployed for exam
- **ID cards issued** to staff deployed for exam
- Conflict of interest **Self-Declaration** by all iON staff
- Staff Verification with Fingerprints / Photos

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Attempt to disturb the exam/unruly behavior

- **Advance notice** to nearest Police Station & Electricity Board
- For high stake & sensitive exam, **police protection** arranged for exams by Client
- **Rogue Candidates** isolated and debarred from the exam. FIR/police action taken by Client.
- **Crowd management** training to exam staff

Attempt to tamper responses

- 128-bit **encrypted candidate responses** uploaded to Data Center
- MD5 / SHA Hash checksum to ensure zero **data loss/tampering** of data during transit
- Results shared in a **secured mode using RSA** algorithm
- **No unauthorized access** to any of the Result files

Attempt at Data Centre intrusion

- **Certified** Data Centre (ISO 27001, 27017, 27018, 20000, 9001, Cert-In, STQC)
- 24/7 **manned security** & video surveillance in DC
- 24/7 **operations monitoring** & alert mechanisms
- **Biometric** based physical access controls in the Data Centre

Attempt to take exam through remote system

- **No internet access** in candidate system
- **iLEON App** based checks
- **iLEON OS** based checks