Website Security Policy

- The development of CEA website is done on a separate local environment and is tested on the staging server before hosting on the production server.

- CEA website is security audited by CERT-In empaneled auditor. Security Audit certificate and report are issued before hosting the website in production environment.

- The Security audit of CEA website is done whenever changes/modifications are performed on source code and/or every year whichever is earlier.

- CEA website uses SSL certificate. The SSL certificate used is at least 2048-bit SHA (Secure Hash Algorithm) 256 encrypted or higher.

- SSL certificate is ensured to be valid and a track of the certificate date is being maintained. Necessary action is taken to renew the SSL certificate well before expiry.

- Access to web servers where the CEA website is hosted is restricted physically and through network to the possible extent.

- Weak ciphers like DES (Data Encryption Standard), RC4 (Rivest Cipher 4) are disabled and strong ciphers like AES (Advanced Encryption Standard) are enabled on CEA website.

- It is ensured that no portion of the source code of CEA website is displayed on the page in case of any error/exception.

- CEA website is checked on daily basis and in case of any security issues, NIC-CERT is immediately reported.

- **Notice and Disclosures**

  CEA website does not sell, trade, or disclose the private/personal information of its website users to any unauthorized third parties.

- **Data Quality and Access**

  CEA strives to ensure that the content updated on the CEA website is as accurate as possible. To ensure that adequate and accurate content is published on website, concerned divisions/sections of CEA themselves upload the content on CEA website through proper approval. In case of any finding of inaccurate information, the content is immediately updated within 48 hours.

  The users' information visiting CEA website such as IP address are collected by NIC Data Centre. This information is utilized as source of information, in case, any cyber threats or unauthorized access occurs on the site.

- **Application Security Audit**

  CEA website is security audited by CERT-In empaneled auditor for known vulnerabilities as per NIC and CERT-In guidelines. Security audit certificate and report are issued before launch of the website in public domain.

The Security audit of CEA website is done whenever changes/modifications are performed on source code and/or every year whichever is earlier. A periodic check is performed by technical manager and website team for any changes in environment/functionality and the same is recommended to the web information manager.

- **Server Audit**

The Servers of CEA website are maintained and managed by NIC at its Data Centre. NIC conducts regular security audits for the servers. All the vulnerabilities, bugs and patches are fixed by NIC itself. NIC maintains and archives all the audit reports and logs. Anti-virus is installed and updated by NIC.

- **Data Security**

CEA considers users' private data with utmost importance. No personal/private information of the website users is collected/maintained by CEA.

- **Website Access Rights**

CEA website is accessible to entire world. Necessary firewall rules are in place to avoid/mitigate cyber-attacks. Necessary updates on firewall are made by NIC as and when required.

- **Website Architecture:**

The website architecture is designed to deliver critical information, services, and resources to a wide range of stakeholders, including government bodies, electricity regulators, power generation companies, and the general public. The structure and layout of the website play a significant role in ensuring users can easily access data related to the electricity sector in India, policies, and other regulatory documents.

The homepage serves as the first point of interaction for visitors. It is designed to provide an overview of the Central Electricity Authority's mission and activities. Homepage Contains links to important sections like About Us, Acts and Regulations, Reports, Tenders etc. It also typically includes a search bar for easy navigation. Includes the organization's contact information, links to social media profiles, legal disclaimers, and the website policy.

The design of the Central Electricity Authority website is focused on:

- Accessibility: Clear and legible fonts, intuitive icons, and color schemes to ensure that all users, including those with disabilities, can easily navigate the site.

- User-friendly Layout: The website uses a clean layout with easy-to-use menus and category-based sorting to provide a smooth browsing experience.

The website is likely powered by a robust Content Management System (CMS) to ensure easy content updates, including:

- Adding new reports or publications.

- Uploading tenders and notices.

- Updating news articles and event information. This ensures that the website remains current and dynamic.

To enhance user experience and engagement, the website includes the following interactive features:

- Forms and Applications: Forms for users to submit reports, applications, or complaints.

- Downloadable Documents: A central repository for PDFs of regulations, reports, and guidelines.