

Government of India
National Committee on Dam Safety
Ministry of Jal Shakti

Empanelment of Technical Experts for Dam Safety as per the Dam Safety Act 2021

The Government of India has notified Dam Safety Act (DSA) 2021 in December 2021 for surveillance, inspection, operation and maintenance of the specified dam for the prevention of dam failure-related disasters and to provide an institutional mechanism to ensure their safe functioning and for matters connected therewith or incidental thereto. Several Institutional bodies and committees have been set up as per the act both at the Central and State level for implementing the provisions of the act.

As the spectrum of issues involved in ensuring Dam Safety is vast and technical, it has been decided to constitute a national-level database of experts who can provide technical inputs to the states and NDSA on dam safety-related issues. The following technical sub-domains have been identified for the experts

S. No.	Subject	Domain Area
1	Dam Safety Management	Dam Break Analysis Downstream Inundation Risk Classification Disaster Management Actions Dam Safety Management Approach
2	Hydraulic Safety	Upstream Precipitation Water Catchments Overtopping of Dams
3	Hydrological Safety	Reservoir Capacity Siltation mechanisms and profiles De-silting need and techniques

4	Structural Engineering and Earthquake Safety	<p>Seismic Hazard Assessment</p> <p>Structural Analysis Structural Design Structural Vulnerability Structural Risk Assessment Structural Safety Evaluation Earthquake Instrumentation</p> <p>Continued Operations of:</p> <p>(a) Appurtenant Structures, and</p> <p>(b) Penstocks and Outlets</p>
5	Geological, Geophysical and Geotechnical Safety	<p>Dam Foundation</p> <p>Reservoir Rim Stability</p>
6	Hydro- Mechanical and Electrical Systems Safety	<p>Locking of Gates</p> <p>Spillways and Energy Dissipaters</p> <p>Outlets</p> <p>Water Level Monitoring</p> <p>Hydro-power Generation</p> <p>Grid Failure</p> <p>Flooding of Power Stations</p>
7	Monitoring and Instrumentation	<p>Sensors: Monitoring of Dams</p> <p>Technical Software: GIS, Flood Routing, Dam Break Analysis, Seismic Structural Analysis, etc.</p> <p>Telemetry: Wireless & Wired Systems, Computer Sensors, etc.</p>
8	R&D and Standards Development	<p>Scrutiny of R&D Proposals on specific domains received for funding from Industry, academia & research organizations</p> <p>Research through Doctoral Programs</p>
9	Capacity Development	<p>Human Resource Requirement</p> <p>Resource Persons & Master Trainers</p> <p>Resource Materials</p> <p>Model Curriculum for degree programs</p> <p>Training of Engineers in different subjects (Post-Graduate Diploma Programs in Dam Safety; 1-day Sensitization Programs on specific themes)</p>

Eligibility Criteria:

	Item	Description
1.	Experience	Minimum 15 years of experience in the respective domain
2.	Age Limit	Should not be exceeding 75 years. Should be able to visit dam sites and undertake dam inspections.
3.	Educational Qualification	BE/B-Tech (Civil) except SL. No.6 domain or Equivalent For Sl. No. 6 - BE/B-Tech (Mechanical) or Equivalent Or Graduation/Post Graduation/Specialisation in respective domain
4.	Job Description	<ol style="list-style-type: none">1. Provide technical guidance & solutions on the subject of dam safety; and2. Prepare and finalize the guidelines on the subject matter based on state-of-the-art technology and established national and international practices.3. To inspect dams and identify issues related to dam safety and suggest remedial measures.

Additional Information/Important Instructions:

1. The posts carry all India movement liability. Therefore, those who are willing to move anywhere in India, as per the need, may only apply.
2. Additional details are available at the website of the Central Water Commission or the office of Member (Technical), NDSA, Sewa Bhawan, Sector-1, R. K. Puram, New Delhi-110066, E-mail = bcdnw-cwc@nic.in
3. Experts shall be entitled to draw remunerations/TA/DA as decided by the concerned agencies as per the provisions of the act.
4. Canvassing or bringing influence in any form will disqualify the candidature.
5. The advertisement can be withdrawn at any time at the discretion of the Competent Authority without assigning any reasons therefore.

Submission of Applications: Interested and Eligible candidates may apply online on the link (<https://forms.gle/2dXr3FKc7DZaFKSM9>) or by scanning the QR code given below. Applications are to be submitted through the prescribed mode only. Applications received through any other mode/procedure would not be accepted and will be summarily rejected.

Note: 'Corrigendum' or 'Addendum' or 'Cancellation' to this advertisement, if any, shall be published only on the website of CWC and will not be published in the newspapers. Therefore, the Applicants are advised to check the website of CWC regularly.

QR Code for Application form

