

**GOVERNMENT OF INDIA  
MINISTRY OF POWER**

**LOK SABHA  
UNSTARRED QUESTION NO.1983  
ANSWERED ON 31.07.2025**

**USE OF STELLAR IN POWER DISTRIBUTION COMPANIES**

**†1983. SHRI TRIVENDRA SINGH RAWAT:  
SMT. HIMADRI SINGH:**

**Will the Minister of POWER  
be pleased to state:**

- (a) whether the state-of-the-art fully indigenous resource adequacy model called STELLAR has been distributed to all States and power distribution companies (DISCOMs);**
- (b) if so, the details of the State utilities and DISCOMs that have adopted or operationalized this tool;**
- (c) the top three States that have shown the highest deviation between their previous resource planning models and projections made by STELLAR and the changes ushered in their policies or infrastructure as a result of the same; and**
- (d) the estimated cost savings due to the use of STELLAR in optimizing generation, distribution, storage and ancillary services?**

**A N S W E R**

**THE MINISTER OF STATE IN THE MINISTRY OF POWER**

**(SHRI SHRIPAD NAIK)**

**(a) to (d): Resource Adequacy Model (STELLAR) developed by CEA is a long term capacity expansion model with demand response. The Monitoring Committee of Power System Development Fund (PSDF) in its meeting held on 13.06.2025, approved the proposal for purchase of 31 GAMS software licenses for CEA STELLAR tool with PSDF grant of ₹5.35 Cr. The tool will be made available to the States shortly.**

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