

GOVERNMENT OF INDIA
MINISTRY OF POWER

RAJYA SABHA
UNSTARRED QUESTION NO.2541
ANSWERED ON 10.08.2026

INDIA ENERGY STACK

2541 # SHRI AMAR PAL MAURYA:
SMT. MAYA NAROLIYA:
SHRI BRIJ LAL:
SHRI MITHLESH KUMAR:
SHRI MAYANKKUMAR NAYAK:
SHRI SADANAND MHALU SHET TANAVADE:

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

- (a) whether Government has initiated implementation of the India Energy Stack (IES);
- (b) if so, the details thereof;
- (c) the progress achieved in pilot implementation of the IES, including utilities selected for proof-of-concept;
- (d) whether any framework has been developed for phased nationwide implementation of the IES;
- (e) if so, the details thereof; and
- (f) the manner in which the IES is expected to improve digitalisation, interoperability and efficiency in the power sector?

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a) to (f): India Energy Stack (IES) is envisioned to create a digital enablement for the power sector so that the disparate parts of the power system can connect and communicate securely through standard data exchange protocols. The Ministry of Power has constituted a task force comprising domain experts and various stakeholders, including representatives from Ministries, state utilities, Regulators, Gencos and Transcos, to chart a roadmap for the IES, including its components and design.

Distribution utilities of Delhi, Gujarat, Andhra Pradesh, Uttar Pradesh and Mumbai have been identified for the pilot (Proof-of-Concept) implementation of IES and the implementation is underway.

IES aims to develop unified, secure and interoperable data exchange mechanism so that services and systems work together seamlessly across the power sector value chain thereby improving interoperability. The enablement created by IES aims to facilitate seamless integration of technology solutions related to enhancing efficiency of the distribution sector and consumer-centric services like load forecasting, demand response programmes, energy transaction, and overall digitalisation in the power sector.
