

**GOVERNMENT OF INDIA
MINISTRY OF POWER**

**LOK SABHA
UNSTARRED QUESTION NO.3100
ANSWERED ON 06.08.2026**

MODERNISATION OF THERMAL POWER PLANTS

3100. SHRI MAGUNTA SREENIVASULU REDDY:

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

- (a) whether the Government has conducted any recent survey of existing Thermal Power Plants (TPPs) across the country during the last five years, if so, the details thereof, year-wise;**
- (b) the details regarding the list of power plants that are to undergo modernisation/upgradation and those that are to be shut down;**
- (c) the details regarding the funds allocated, released and utilised for modernisation of thermal power plants across the country, plant-wise especially those in Andhra Pradesh; and**
- (d) whether the Government has conducted any study/survey regarding the potential impact of modernising power plants on India's power security, if so, the details thereof and if not, the reasons therefor?**

A N S W E R

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRI SHRIPAD NAIK)

(a), (b) & (d) : Government of India constituted a Committee on 16.03.2022 comprising representatives from NTPC Ltd., Central Electricity Authority (CEA), Gujarat State Electricity Corporation Ltd. (GSECL) and Bharat Heavy Electricals Ltd. (BHEL) which studied various aspects of Life extension and Renovation & Modernization (R&M) of coal based thermal power stations and brought out a report in the form of R&M Guidelines 2023. Thereafter, based on the guidelines, CEA identified 223 units as potential candidates after consulting with all the concerned stakeholders for Renovation & Modernisation/ Life Extension (R&M/LE) works with age older than 20 years as on December 2022. The R&M/LE works in these units have to be implemented in nine phases to avoid any major energy demand- supply gap. The details are given at Annexure.

(c): At present, the Central government neither provides funds nor has any central sector scheme for modernization/ upgradation of thermal power plants across India including Andhra Pradesh. The generating company is expected to commercially finance the R&M/LE works after evaluating the feasibility.

ANNEXURE**ANNEXURE REFERRED IN REPLY TO PARTS (a), (b) & (d) OF UNSTARRED QUESTION NO. 3100 ANSWERED IN THE LOK SABHA ON 06.08.2026**

Phasing Plan

Phase	Period	Central Sector	State Sector	Private Sector	Total Units	Total Capacity (MW)
I	01.01.2024 – 30.06.2026	11 Units (2,230 MW)	25 Units (5,230 MW)	1 Unit (500 MW)	37	7,960
II	01.07.2026 – 31.12.2028	18 Units (5,170 MW)	12 Units (3,140 MW)	–	30	8,310
III	01.01.2029 – 30.06.2031	12 Units (2,810 MW)	12 Units (2,560 MW)	–	24	5,370
IV	01.07.2031 – 31.12.2033	8 Units (2,550 MW)	15 Units (3,730 MW)	2 Units (500 MW)	25	6,780
V	01.01.2034 – 30.06.2036	5 Units (1,630 MW)	17 Units (4,330 MW)	3 Units (750 MW)	25	6,710
VI	01.07.2036 – 31.12.2038	12 Units (5,420 MW)	8 Units (2,175 MW)	–	20	7,595
VII	01.01.2039 – 30.06.2041	5 Units (2,000 MW)	16 Units (4,590 MW)	4 Units (1,000 MW)	25	7,590
VIII	01.07.2041 – 31.12.2043	5 Units (1,740 MW)	9 Units (2,655 MW)	9 Units (2,660 MW)	23	7,055
IX	01.01.2044 – 30.06.2046	5 Units (2,490 MW)	2 Units (460 MW)	7 Units (3,120 MW)	14	6,070
Grand Total	Jan. 2024 – Jun. 2046	81 Units (26,040 MW)	116 Units (28,870 MW)	26 Units (8,530 MW)	223	63,440
