

GOVERNMENT OF INDIA
MINISTRY OF HEAVY INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 1481
ANSWERED ON 12.12.2023

DEVELOPMENT OF AUSC TECHNOLOGY

1481. DR. MANOJ RAJORIA:

Will the Minister of **HEAVY INDUSTRIES** भारी उद्योग मंत्री be pleased to state:

- (a) the details on the partnerships forged during the development of Advanced Ultra Supercritical (AUSC) technology;
- (b) the details regarding the financial investments allocated for the development of AUSC technology;
- (c) whether any strategy has been formulated to facilitate the extensive adoption of AUSC technology across the country; and
- (d) if so, the details thereof?

ANSWER
THE MINISTER OF STATE FOR HEAVY INDUSTRIES
(SHRI KRISHAN PAL GURJAR)

(a): Advanced Ultra Supercritical (AUSC) R&D project was approved by the Cabinet Committee on Economic Affairs on 27th July 2016. A consortium between Bharat Heavy Electricals Limited (BHEL), Indira Gandhi Centre for Atomic Research (IGCAR) & National Thermal Power Corporation (NTPC) was formed for the development of AUSC technology for Thermal Power Plants.

(b): Initial allocations for financial investments for the development of AUSC technology is as mentioned below:

	Initial funding pattern	Amount (Rs. Crore)
A.	Central Government Departments/agencies	
	• Ministry of Heavy Industries (MHI)	900
	• Department of Science and Technology (DST)	100
B.	Consortium Partners	
	• BHEL	270
	• NTPC Ltd.	50
	• Indira Gandhi Centre for Atomic Research (IGCAR)	234
	Total	1,554

(c) & (d); The development of this technology (R&D Phase) has been successfully completed in March 2021. The future demand for energy, requirement of thermal power plants, policy of replacement of existing old plants by Central Electricity Authority (CEA) and Ministry of Power (MoP) shall drive the adoption of AUSC technology
