

# Title: A Staged Approach to Indian DEMO

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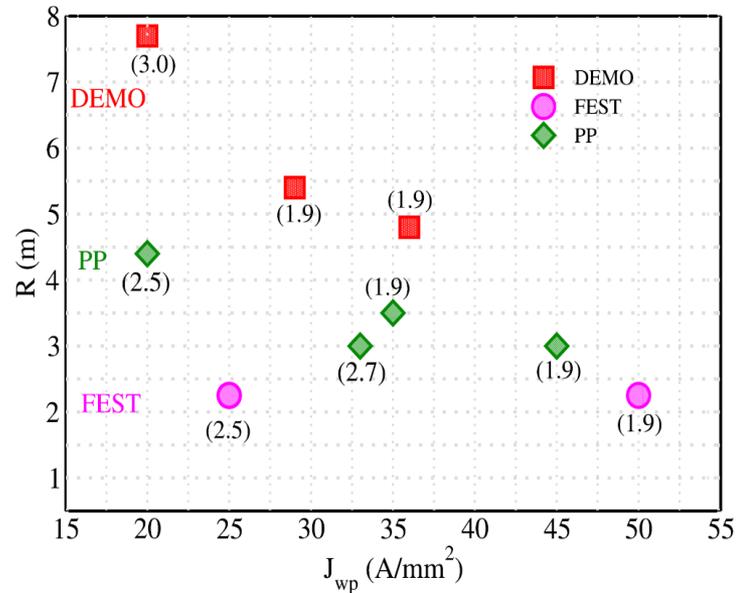
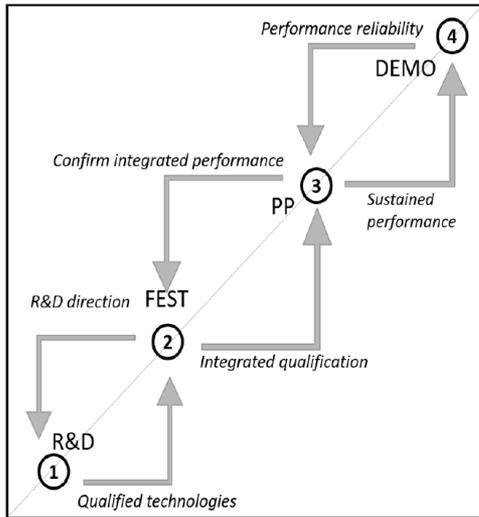


Figure Caption: Four stages (1) directed R&D, (2) Fusion Engineering, Science Test tokamak, (3) Pilot plant and (4) DEMO are conceptualized to delineate a fusion electricity roadmap. A range of options, based on achievable magnet current densities is revealed.

Latest scientific and technological developments in fusion enable a range of compact (hence lower cost) reactors. A technology demonstration machine followed by an gross electrical power generation Pilot is shown to enable an industrially scalable DEMO of 250 MW net electric power. The central idea is creating a reactor park with shared infrastructure, which, with 50% availability of each unit, can create up to 500 MWe for 200 days/year.

Source: Nuclear Fusion, 63, 126060, November, 2023

Published Paper Link: <https://doi.org/10.1088/1741-4326/ad0797>