

China To Help Pakistan Launch Satellite In Chang'e 6 Moon Mission

Why In The News?

- China Will Be Launching Its **New Robotic Lunar Mission, Chang'e 6**, In The First Half Of 2024 And It Will Carry A **Pakistani Satellite Named ICUBE-Q CubeSat** To The Moon
- A Statement Released By The Chinese Govt Said After Rounds Of Selection And Talks, It Has Been Decided That The Chang'e 6's Lander Will Carry Scientific Instruments From **France, Italy, And The European Space Agency (ESA)**. A Pakistani Payload Will Be Mounted On The Orbiter, The Release Said.

HT Hindustan Times



China to help Pakistan launch miniature satellite in Chang'e 6 lunar mission



- The **China National Space Administration (CNSA)** Said The Mission Will Carry Payloads And Satellites From Four Countries **To Increase International Cooperation**. As Per Reports, The Chang'e 8 Mission Will Conclude The Chang'e Missions That Will Be Sent There To Possibly **Establish A Research Station**.

What Is China's Chang'e 6 Mission?

- The Primary Objective Of China's Chang'e 6 Mission Is To **Collect Samples From The Far Side Of The Moon**. The Spacecraft Comprises Four Components: An Orbiter, Lander, Ascender, And Re-entry Module.

- One Of The Senior Planner Involved In The Chang'e 6 Mission, Hu Hao, Said If Everything Goes As Per Plan, The Spacecraft Will Land In The South **Pole 'Aitken Basin'**. After Successful Landing, It Will Collect Dust And Rock Samples.
- Chang'e 6 Mission Could Mark The First Instance Of Samples Being Collected From The Far Side Of The Moon, Allowing Scientists To Enhance **Their Understanding Of This Region And Analyze The Samples' Composition** To Expand Lunar Knowledge.
- The Chang'e 6 Mission Will Carry A **Total Of 10 Kilograms Of Foreign Equipment** On Its Lander And Orbiter. This Includes Scientific Instruments From France, Italy, And The European Space Agency, As Well As The Pakistani Payload On The Orbiter.
- The **French Instruments** Which The Mission Will Carry Will Test For **Radioactive Gas**, While The **ESA's Negative Ion Detector** And **Italy's Valle Brett Radar System** Will Be Taken To The Moon By This Mission.

