The upgradation of the ADITYA Tokamak gives an opportunity to upgrade the LHCD system.

A PAM launcher is proposed to be installed on the ADITYA-U tokamak replacing the grill launcher as it increases the coupling of RF power at plasma densities close to cut-off density.

The design of the launcher to deliver 250 kW of RF power at 3.7 GHz is completed and its fabrication and qualification tests are underway.

The paper benchmarks two major fabrication techniques to be employed in the development of the PAM launcher.

The development and qualification of two PAM launcher components namely a single block machined tapered divider and plate fit prototype step phase shifter is discussed.