

Design and demonstration of mechanism for the Surya Tilak of Shri Ram Mandir at Ayodhya

PI: Dr. S. K. Panigrahi

Abstract:

The primary objective of the Surya Tilak Project is to focus a Tilak on the forehead of the Lord Ram idol every Ram Navami. Under this project, sunlight is to be focused on the forehead of Lord Ram at 12:00 noon on Ram Navami in the month of Chaitra each year. The English calendar date of the Ram Navami festival changes every year as it follows the Lunar Calendar. Therefore, the position of the Sun in the sky changes every year on the day of Ram Navami. The demonstration of the Surya Tilak project was carried out on 17th April 2024, on the auspicious occasion of Ram Navami Day. The size of the Tilak was approximately 56 mm size, and it stayed on the forehead of the idol for around 2 to 3 minutes.