Annamacharya University Cricket Ground Lighting System

Annamacharya University has proposed the installation of a modern LED sports lighting system at its cricket ground to provide adequate illumination for sports activities, practice sessions and other outdoor events, including night-time matches.

The proposed lighting system consists of **100 LED sports floodlights, each rated at 500 W**, installed on **four 30-metre-high hot-dip galvanized stadium masts**. The lighting arrangement is designed to achieve an average illumination level of approximately **500 Lux on the cricket pitch** and **200–250 Lux across the remaining ground area**.

The floodlights are BIS-approved, IP65-rated LED luminaires with Osram LEDs and an approximate luminous efficacy of 130 lumens per watt. The proposal also includes electrical control panels, underground power cables, earthing arrangements, aviation warning lights, mast foundations, installation and lux-level alignment.

The stadium masts are designed with a maximum wind-speed consideration of 180 km/hr, as specified in the proposal. The lighting system will be equipped with suitable electrical protection and control arrangements to ensure reliable operation and safety.

The estimated project cost is **₹61,75,506/-**. The proposal also recommends a **125 kVA DG set** and a **70 kVA power transformer** to meet the power requirements, considering future expansion.

Upon completion, the proposed lighting infrastructure will provide improved visibility, enhance player safety and support cricket activities during evening and night hours.

The project will contribute to the development of modern sports infrastructure at Annamacharya University.

Photos:









