






## Case Study

# Proud to Power The Victory!

Congratulations to the Indian Women's Hockey Team for clinching the Asian Hockey Championship title! TP-Link is proud to have been the networking partner for this prestigious event, enabling seamless media connectivity for live streaming, media coverage, and event coordination at the Patliputra Sports Complex in Bihar.

## Customer Profile

-  **Customer Name:** Bihar State Sports Department
-  **Location:** Patna, Bihar
-  **Industry:** Sports & Entertainment

## About the Event

The Women's Asian Hockey Championship is a prestigious tournament that showcases the top talent in women's hockey across Asia. The Indian Women's Hockey Team clinched the title in this highly competitive event, demonstrating skill, determination, and teamwork. TP-Link proudly supported the event by providing seamless media and streaming solutions, ensuring smooth coverage and live streaming for fans and media outlets. This partnership helped bring the excitement of the championship to viewers worldwide, making it a memorable moment in Indian sports history.

# Challenges

## High User Density:

Thousands of fans, staff, and media require Wi-Fi simultaneously, placing high demands on network access points.

## Bandwidth Demand:

High bandwidth is needed for activities like live streaming.

## Temporary Infrastructure Needs:

Rapid setup and teardown of the network infrastructure for the event.

# Solution Provided

## High-Density Access Points:

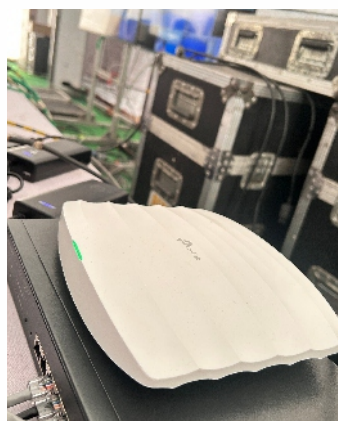
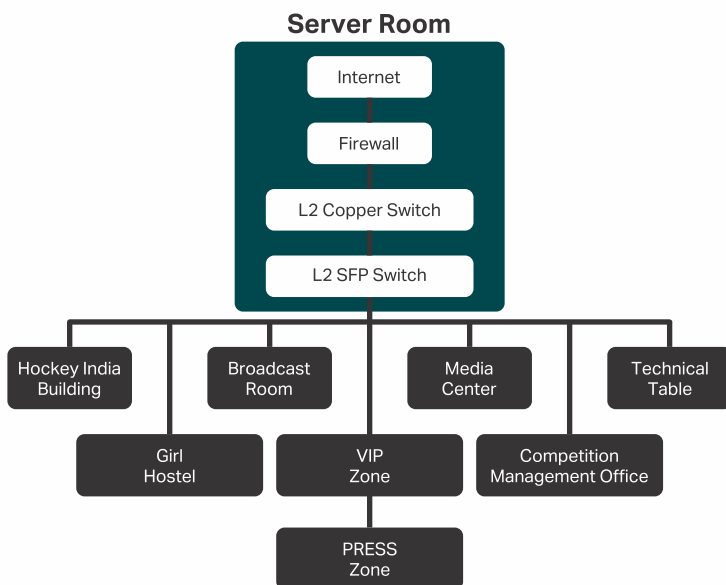
Deployed EAP 610 and EAP 225 access points with advanced load balancing, beamforming, and channel allocation to handle multiple users efficiently. Wi-Fi 6 (802.11ax) APs that are better at handling interference and can operate in both the 2.4 GHz and 5 GHz bands. Conducted a site survey to identify interference sources and adjusted the channel settings accordingly to get optimum results

## Portable, Scalable Network:

Utilized wireless mesh networks and cloud-managed Omada Controller OC300 for quick setup, configuration, and monitoring. Used a combination of indoor and outdoor APs, directional antennas, and mesh networks to extend coverage. Place APs strategically to cover high-traffic areas, while avoiding signal dead zones.

## High-Capacity Links:

Integrated SG-3428XF and SG-2210MP switches with Quality of Service (QoS) to prioritize critical streaming traffic. Deployed high-capacity backhaul links (fiber optics /copper switches) to ensure sufficient bandwidth. Implement Quality of Service (QoS) to prioritize critical traffic, such as video streaming for broadcasters.





## Project Highlight

This was an international collaboration organized by the Bihar Sports Department alongside Hockey India and the International Hockey Federation (FIH) to ensure smooth, reliable network performance for an international sports event.

## Team Members Involved

- 2 TP-Link Engineers
- 15 System Integration Partners



## Products

### Access Points –

EAP 610 Outdoor (Wi-Fi 6) | EAP 225 Indoor

### Switches –

TL-SG2210MP PoE | TL-SG3428XF | TL-SG3428MP

### Controller –

Omada Controller OC300

