

CIAL T3

Arrival Pier

- Traditional style architecture, matching with that of the existing terminals
- AERA benchmarked infrastructure for cost effective airport terminal development
- Sustainable, inclusive and modular design

The Look

- 1.5 lakh sq.m. structure, nearly 2.5 times bigger than the existing two terminals taken together
- 5 Entry gates, 84 check-in counters, 80 Immigration/Emigration counters
- Roof top garden, 3 VIP lounges
- 10 Escalators – including those at departure kerb, arrival duty free area, remote arrival, remote departure, food court
- 21 Elevators including a car lift and 4 twin glass lifts
- 3 moving walkways – two at first floor and one at 3rd level covering a total of 140 meters

The Feel

- Inspired from the Thrissur Pooram, the Mother of all festival pageantries
- 15 real size fibre elephants; caparisoned and adorning traditional costumes
- Real look Mahouts and handlers
- Quintessential Kerala festival ambience
- Complementing Kerala architecture

Prayer Hall

VIP Lounge I

Departure Escalator

Escalator

Shopping Area

Lighting

- Entire terminal, roads, fly overs are lit using LED.
- 10 Nos of 25 M high masts
- 134 Nos of 9M single lamp posts, 250 Pathfinder lights
- 100 post top lanterns, 200 VOLA lamps
- 18 High masts at apron
- 156 Taxiway centre Lights, 55 Taxiway edge lights
- 22 Taxiway guidance signboards
- All Taxiway lights powered by microprocessor-based constant current regulators
- 200 scientifically-designed signages

Communication

- Extensive high speed Wi-fi network
- 249 video display units, Wide video walls, LED walls
- High quality public address system

Comfort

- The air-conditioning system controlled by automated chiller plant manager, 4 Centrifugal chillers
- 4 cooling towers, Demand control ventilation
- CO2 sensors, Treated fresh air handling units

Fire & security

- 3,000 full HD cameras (with resolution 1920 * 1080), 7 PB of Storage, 30 days primary storage in DC with full HD, One of the largest storage installations in the country, comparable with that of Aadhar
- External and Internal hydrant & sprinkler fire protection system, 3000 sprinklers, Imported fire detection system, over 700 detectors, cabling over 5 km
- Bio-metric access control for all stakeholders
- High-end security gate house plan with X-ray BIS (Baggage Inspection System)
- Under vehicle scanning system, boom barriers & bollards
- Pre-embarkation screening with 9 X-ray BIS and 21 metal detectors (DFMD) for maximum through-put of the baggage

Apron

- 2.41 lakhs sq.m of apron area is newly constructed
- Two new apron links
- Capable of accommodating 5 wide bodied aircraft or a combination of 3 wide bodied aircraft and 4 narrow bodied aircraft with aerobridge and extra 4 narrow bodied aircraft at remote parking bays. The effective peak hour parking capacity is 11 aircraft for T3 alone.
- All wide bodied aircraft can be provided with two aerobridge limbs each, for quick passenger movements; taking the effective number to 10 aerobridges.
- For precision docking, apron is provided with visual docking guidance

Commercial

- World class retail facility, 5 snack bars and 1 food court in departure security hold area
- Sprawling food court in visitors' area (ground level) with international brands, 20 retail shops (departure visitors' area), food court with 7 counters, Viewers gallery, 4 ATM counters, 4 foreign exchange counters, world class spa, lounge bar at departure SHA
- First Class/ Business Class lounge spread across 20,000 square feet.
- Big brands like Burger King, Da Milano Italia, Hi-design, WH Smith lined up
- Pharmacy, Medical inspection rooms at arrival and departures
- 2000 Designer trolleys
- 4 buggies
- Butterfly-shaped restaurant near car park
- Arrival area pre-paid taxi counters
- Mobile counters, Forex counters
- 23 retail shops in SHA

Duty Free Shop

- 3,500 sq.m. total area designed for providing a global shopping experience
- Arrival duty free area is having 2,500 sq.m.
- 100% walk-through shops
- 3 video walls, customer experience centres, touch points
- 20 billing counters
- World's leading brands of liquor, perfumes, chocolates

Facilities

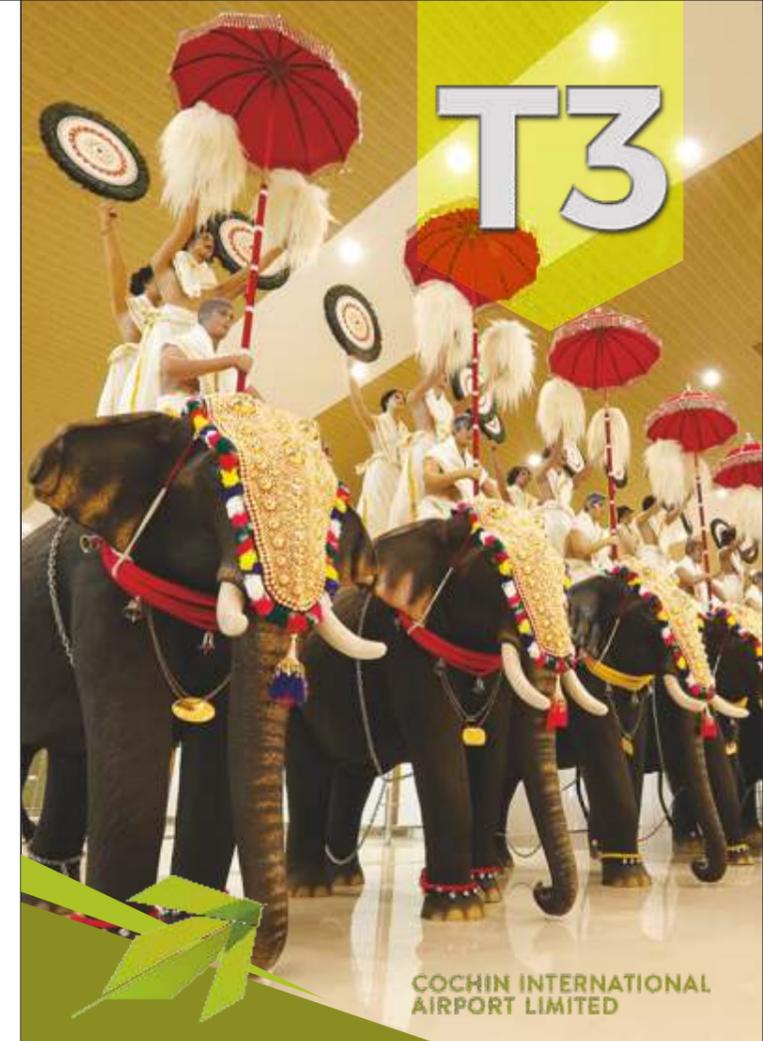
- 'Solar Car Park' with charging facility for electric cars
- Roof fitted with solar panels, with an installation capacity of 2.5 Mwp

- Shaded car parking for 1,400 cars
- 725 M long newly constructed fly over
- Newly-developed 4.2 km four-lane road
- Well-lit, well-marked with international standards with a Railway over bridge
- Four-lane bridge and 1 roundabout



Sophisticated Baggage Handling System

- Four 360-degree CT based in-line scanners with 3D imaging facility giving a detailed description of the baggage at Level-1; a first in the country
- Modern conveyor belts stretching across 2.5 Km with 777 drives
- Flight-wise and Airline-wise sorting mechanism
- Seamlessly smooth and speedy handling of baggage



COCHIN INTERNATIONAL AIRPORT LIMITED



CIAL
COCHIN INTERNATIONAL AIRPORT LIMITED

CIAL Terminal-3: Air Travel is no longer the same

Cochin International Airport Limited (CIAL) made history as the first PPP airport in the country. It is the first airport in the world to fully run on solar power. Now, CIAL is gearing up for the major next step in its illustrious track record - T-3, the new international terminal will be another landmark in Indian Aviation history.



▲ Arrival (Ground Floor) (0.15 metres above ground level)

- 41,155.91 sq.m. ground area. 10 Customs counters, 3 bank counters, shopping complex for passengers and general public, VIP lounge, arrival duty free shops, baggage claim area, baggage make up area, 5 conveyor belts, 4,877 sq.m. 'Meet & Greet' area with artificial ponds, vertical orchid garden, baby care area, prepaid taxi counter

▲ Arrival (First Floor) (5.5 metres above ground level)

- 30 Immigration counters, 10 e-T-Visa counters, 5 health check counters, 2 moving walkways

▲ Departure Security Hold Area (15.5 metres above ground level)

- 8,674.46 sq.m. total area, food court, restaurant, 3 airline executive lounge, smoking lounge, bar, reclining area

▲ Departure Facility Area (10.5 metres above ground level)

- Theme Thrissur Pooram, shopping facility for public, 4,134 sq.m. 'Meet & Greet' area, departure fly over, entrance canopy
- 20,836 sq.m. check-in area, 3 check-in islands having total of 84 counters,
- 40 Emigration counters, entrance canopy, security check-in area, 800 sq.m. departure duty free shop, 3 VIP reserved lounges, airline offices, 2 prayer rooms, 1 moving walkway



Duty Free Shop



Moving Walkway



Conveyor Belt



Departure Facility Area



Check-in Counter



Apron Area