

# Always Lifestyle

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## Luxury Special

*Resurgence of Traditions*

ABU SANDEEP

*Seniranis Hotel*

KARIM RASHID

*Arto Shows 2013*

LOS ANGELES & TOKYO

*Art of Film Making*

IFFI 2014 - GOA

*Landry Design Group*

## Le Grand Reve



2014 January Issue

*Luxury Design*  
**CHENNAI  
 INTL  
 AIRPORT**  
 "An amalgamation  
 of Engineering,  
 Architecture &  
 Sustainability"

**PART - I**

**Principal Architect**  
 Creative Group, New Delhi

**Associate Architects**  
 Frederic Schwartz Architects & Gensler, USA

**Client**  
 Airports Authority of India

**Design team**  
 Prof. Charanjit S Shah (Principal Architect)  
 Ar. Gurpreet Shah, Bill Hooper Gensler &  
 Frederic Schwartz

**Consultants**  
 Ammann & Whitney, USA, M/s Charu  
 Engineering Consultants, Delhi (Structural),  
 M/s Syska Hennessy Group,  
 M/s V S Kulreja Pvt Ltd, Delhi (MEP)

**Built-up area**  
 2,03,200sq m

**Cost of project**  
 Rs 2015 crore

**Year of completion**  
 2012



"Chennai airport to become SE Asia hub" - *Deccan Chronicle*

"Emirates Group keen on making Chennai Airport its hub" - *Business Standard*

"Best Infrastructure project of the year, Tamil Nadu" - *Ultratech Award 2012*

"Jewel in the Crown of Airports in the Asia Pacific" - *Airports International Magazine*



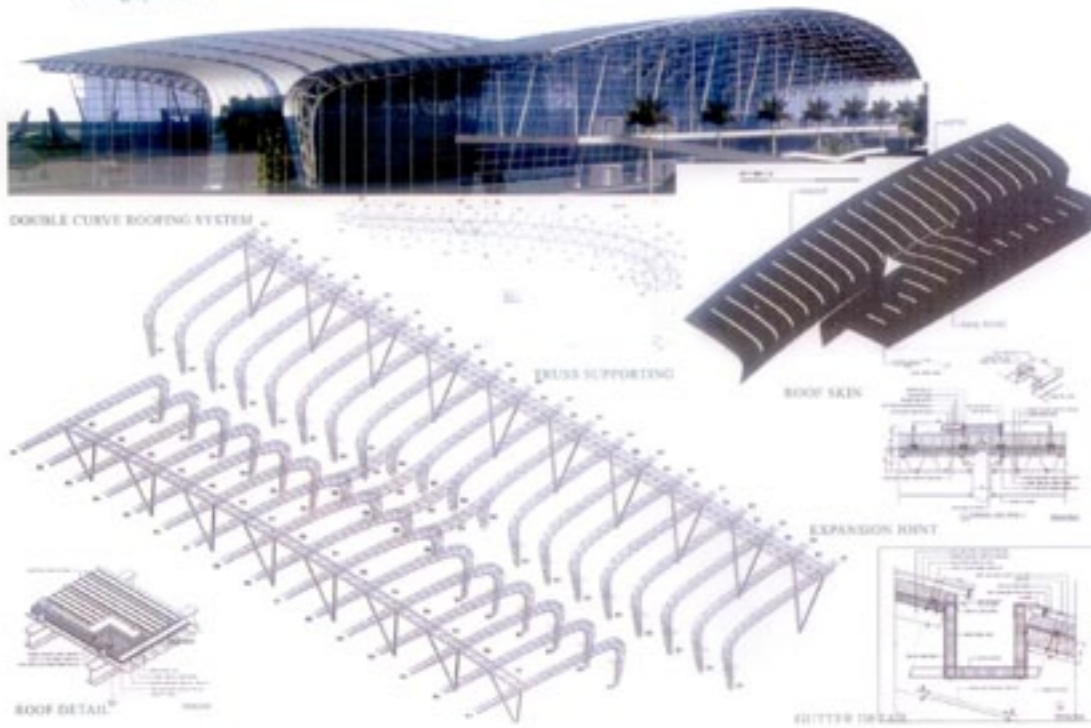
View of Entrance Canopy ▲



Day View ▲

Chennai International Airport is more than just an Airport, it's a time machine. When you step outside this 21st century airport you'll enter a city where classical traditions of the arts, crafts, music, and food are as vibrant today as they were centuries ago. Whether its twin steel trussed arches remind you of a bird in flight – or something that alighted in Chennai from a universe far far away – you can definitely spot some kind of avian theme in India's third busiest airport designed and conceived by Prof. Charanjit S Shah and Ar. Gurpreet S Shah (Creative Group).

Roofing System ▼

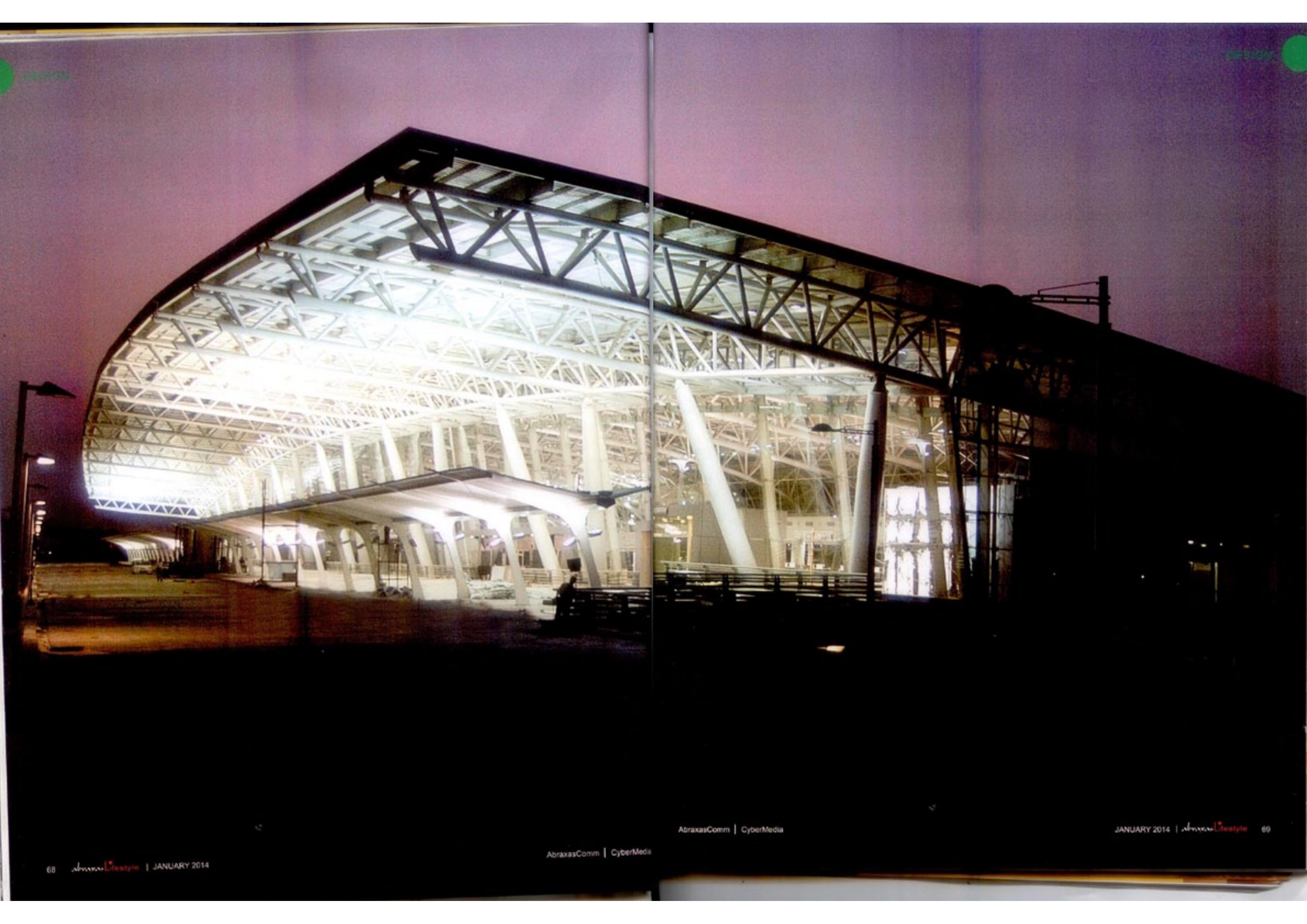


*"The Winged Profile"*  
**TERMINAL PLANNING**

The endeavour has always been to look upon any opportunity to design, as an opportunity to build for the nature" envisions Prof. Shah. Wherein, the design needs to respect the environment, its surroundings, climate, cultural and economical aspect of the region. Likewise, the Chennai Airport is the crown jewel to the developing commercial and economical hub of South East Asia adorning the city skyline as a defining landmark. With the enthusiastic and ambitious ethos and philosophy of Mr. Shah, the team envisioned a terminal that respects the innovative and advanced technology, and be a visual panoramic delight interwoven with the principles of sustainability and traditional science of Vastu.



Night View ▼



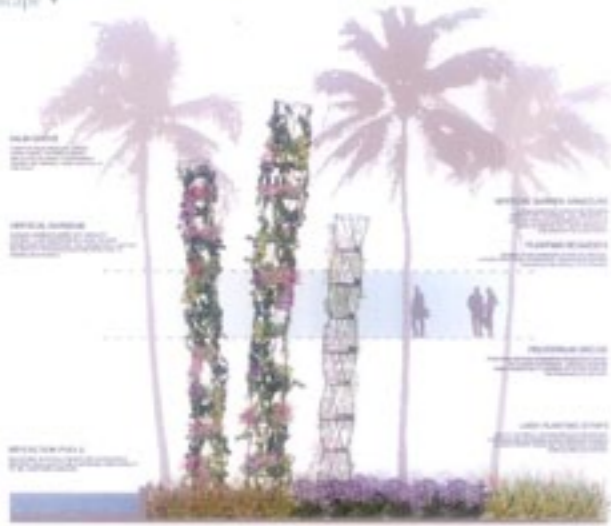
**THINKING GREEN: BRINGING LUSH GREEN LANDSCAPE TO UPPER LEVELS**

The terminal's most dramatic feature however, is the 5-storied vertical garden seamlessly blurring the interior boundaries into the exterior green. The building is designed around these gardens, or vice-versa, called the central green spines of the terminal. Emerging from these gardens is the elliptical bridge/arrival tube connecting the air side with the city side further strengthening the alliance between man and nature.

**STRUCTURAL DESIGN OF THE TERMINAL**

*"Meeting Criteria through New Innovative Planning Techniques."* The domestic and international terminals are not just engineering marvels but are a synergy of organic form, an ideal combination of architecture, engineering and sustainability. The terminal is an

Landscape ▼



An structure giving life to the quote "Less is more".

attribute to a steel structure with a dash of art. The building's steel structure rises from a curved roof to form a natural lit, column free terminal with highly insulative transparent glass curtain walls that create a feeling of spaciousness. Skylights follow the geometry of the trusses, further opening the structural framework to allow natural light to permeate the terminal. At night, these same skylights glow with lighting carefully concealed to bring new life to the terminal under the subtle moonlight.

*"The virginity of the uniquely engineered structure is the true art of the terminal."*

The transparent expanse of the terminal building stretches from the green landscape on the city side to the massive hillocks adorning the panorama of the metropolitan city, adding a dramatic fourth dimension onto the architect's creation.



**Creative Group:** Creative Group, established in 1973, has a history of professional practice as Architectural Consultants for more than four decades. The firm is structured to provide a broad base in Architecture, Planning, Urban Design, Structural Design, Interiors and Project Management & Valuation for a wide spectrum of Architectural projects on national and global scales. The practice has successfully implemented a wide variety of projects of huge volumes and created an architectural legacy beyond its times.



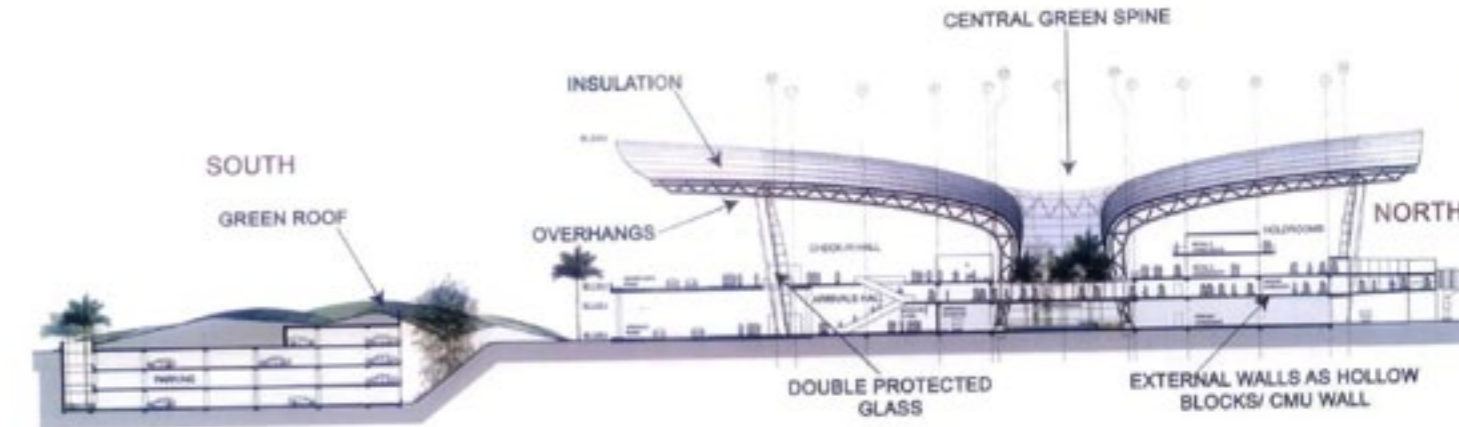
CyberMedia | AbraxasComm



Site Plan Chennai Airport ▲



Section - Landscape ▲



Section - multilevel carparking and terminal ▲

**"Shaping Asia's Greenest Airport"**

The existing airport facilities at Chennai have been upgraded and extended with a series of new buildings including a new domestic (67,700sq m) and international terminal building (59,300sq m). The development includes a site area of more than 100 acres on the city side. Chennai International Brownfield Airport Terminal is a product carved out of a creative design evolution process respecting the solar movement, orientation, and envelope of the building creating a facility that allows in plenty of glare-free light and minimising heat gain with appropriate material application. The resultant is remarkable modern iconic steel dominant structure the city of Chennai feels pride in.

"One remarkable feature of the Chennai Airport is that it is completely day lit maximising the use of natural light and minimising heat gain inside the terminal."  
- Vice President of India, during the Inauguration ceremony of the Chennai Airport.

The ultra modern mile long airport and multi modal hub infuses air

travel with some of its old world magic. And one of the world's most beautiful and India's greenest airport isn't just for show - they also bring heightened functionality. "There's a need for legibility to the actual design and a linear flow". With shortest passenger movement, integrating various segments of functionality and transparency in space distribution and allocation respecting International norms and standards, the Chennai Terminal is one of the most user-friendly mega project in the subcontinent.

**"Enriching the Travellers Experience."**

Chennai Airport welcomes the passenger with an inspiring grand welcome, a 24m cantilevered roof resting on large, paired "V" full height columns, perhaps one of the largest cantilever across the world across any terminal building. The efficiency of the terminal can be attributed to the meticulously carved out spaces, derived from what is truly a conventional H-Shaped plan, resulting into a traditional airport beautifully. A design stroke creating seven visible facets creating transparent ingress to the otherwise four façade system adopted in ordinary terminals.

