

# CW<sup>®</sup>

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# Creating Sustainable Shelters

Pre-engineered buildings and infrastructure projects as well as roofing solutions with thermal insulation and energy conservation properties are steadily making inroads in construction projects across the country.



## Case Study



Prof. Charanjit Singh Shah,  
Founder Principal,  
Creative Group

### KALZIP

PROJECT: SWAMI VIVEKANANDA AIRPORT, RAIPUR

**Comprehensive Architecture and Engineering Consultancy:**

M/s Creative Group, New Delhi

Principal Founder: Prof. Charanjit Shah

Principal Architect: Ar. Gurpreet Shah

Executive Director: Er. Prabhpreet Shah

**Requirement:** Column-free roof.

**Smart features:** Versatile sheeting, can take any shape and size. The airport has 'double-curved roofing' with no clip off, there's no leakage if maintained properly. Won't rust and is maintenance free.

**Technology:** The gutter, mild steel sheeting is double skin and insulated.

**Time:** 15-20 days.

**Challenge:** To prevent condensation on the roof owing to variation in temperatures in the airport and outside.

**USP:** Kalzip aluminium sheet has a good life and is recyclable, maintenance-free and long lasting.

**Market share:** 5 per cent of total roofing in India. It will be a booming market in the next five years.

**Area covered:** About 18,500 sq m.

**Cost of roofing:** Rs 15 crore.

**Materials used:** Aluminium roofing, 52-mm, double skin insulated Kalzip profile roofing, which provides sound and heat insulation in the terminal.

**Maximum demand for roofing:** Residential.

**Suitable for:** Column-free and large-span structures like terminal buildings, sports facilities and metro stations.

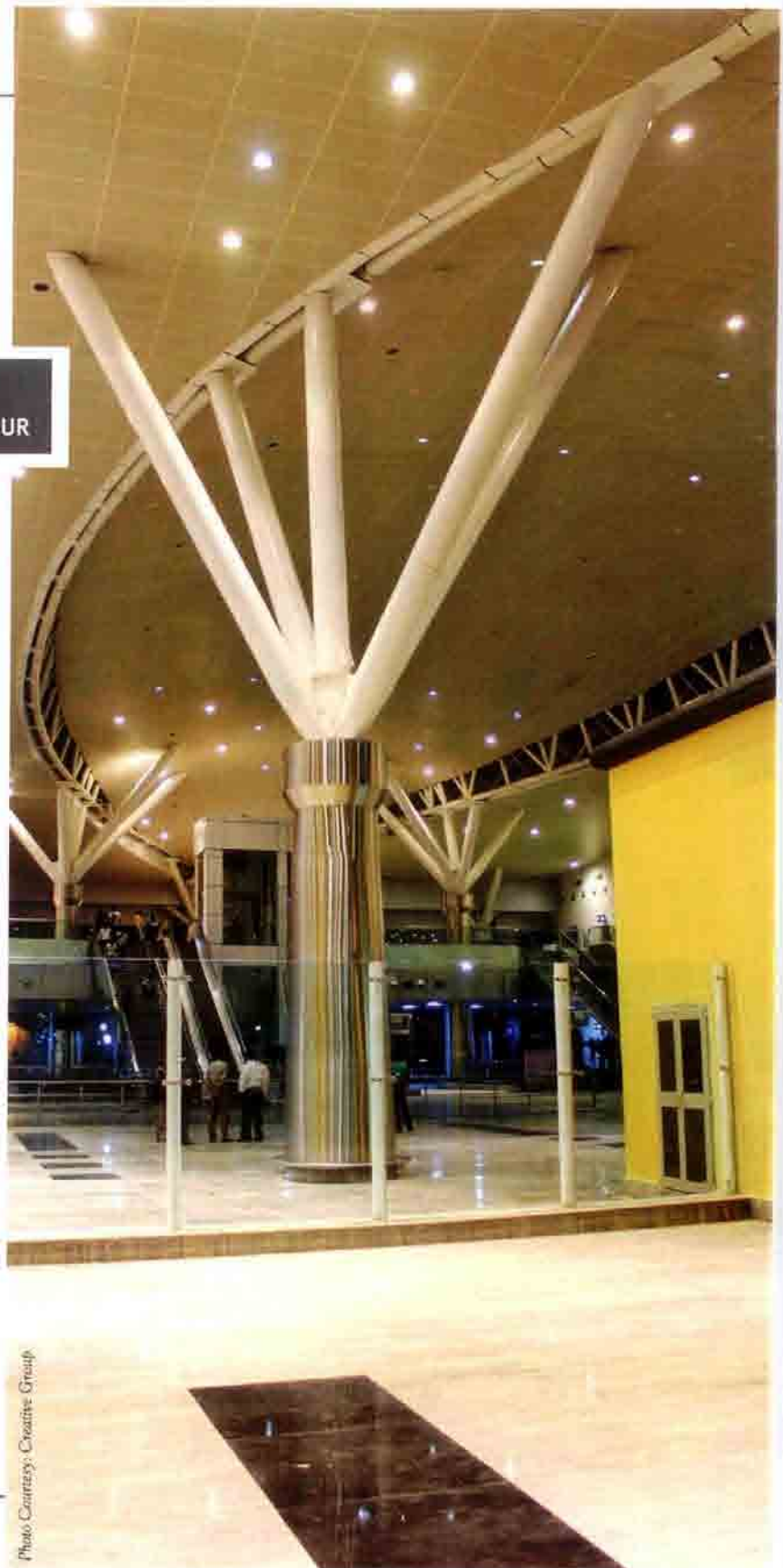


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