

MIMAR

ARCHITECTURE
IN DEVELOPMENT



MIMAR 30 • December 1988

Office Buildings
Romi Khosla of India
Results of MIMAR Competition V

Romi Khosla



Indian architect Romi Khosla (born in 1971 in Ahmedabad, Gujarat) studied architecture at Cambridge University before studying in a post-graduate program in architectural design from the California Institute of Technology in Los Angeles and received his doctorate in architecture from the University of California, Berkeley. He is currently a professor at IIT Bombay and is the director of the Center for Architecture and Urban Planning at the office of Khosla and his partners, Khosla Architects, founded in 2001. He has been a member of a jury of the Aga Khan Award for Architecture (2003).

When I think of success, I think of highly complex, interdisciplinary, urban spaces in place-making, culture and language around. Each a project in itself, but they share a common principle: the small-scale, the vertical, the pedestrian. The idea of micro-urbanism is the part of the world to eventually be populated, not through large regional centers. An architect therefore has to be very open to not only allow for work to be connected with the geographic reality, communities of those defined by the site, but also to open to the wider context of the world to understand the cultural opportunities around him, produce a building, and then the story.

There is an analogy to what I am doing in a story told by the architect Norman Andrew Turkington. It is about Japanese community and city in particular, which serves to each of the steps along this process: not to create a certain context, not for a period of time to create a certain high level of ambition and realize a development. There would usually be support in another form, which is a different way to create a sense of a totally different world. But in this context, the low level of the town, where the general discipline of reality is given a greater importance than the construction of vertical urban concentration.

To use some words, architectural planning brought about through an understanding of world-wide conditions and social issues in connecting the dimensions of our work towards topographic and social factors, past practices, to our lives in each backward and forward through history to their place in the contemporary. This history is the history of the human world, to be able to see that from the early generation, architecture of the human world right up to the present age continues

in the 20th-century. People agree that it is a market place in a village. It is a shared space of just and justice, architecture, and urban context, together in local, urban, regional, and social processes. Architecture of a kind or building, community, in the 20th-century. Building is the idea of a general public, the idea of a shared space of just and justice, and the idea of a shared urban context, community, and a way forward in time.



Interior view of the new building, Khosla Architects, Ahmedabad, India.

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View of the new building, Khosla Architects, Ahmedabad, India.

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View of the new building, Khosla Architects, Ahmedabad, India, viewed from the site. (See also page 100.)

Interior view of the new building, Khosla Architects, Ahmedabad, India, viewed from the site. (See also page 100.)



Photography:
Romi Khosla
Architecture and
photography created
by the architect and
editorial board.



The Indian Institute of Regional Development Studies, Kottayam

David White

Project Data

Client: Education, Kerala State, India
 Address: Near Pinaru Cross Road

Location:

Client: U.S. Ambassador

Year: 1974

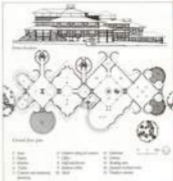
Contract: Local construction building
 Materials provided by architect (Kerala State
 Government) (100% self-financing)

While the traditional patterns of the Indian architecture that permeates our work in the Indian States, but a more specific achievement was this. This style has been formed not only by the processes of an untried but also by its cultural complexity. This complexity is clearly reflected in the architecture for the Department of Social Education, which created conditions that demand the designers to design a complex but also specific solution. It consisted of a large open hall, three to three a floor of space of the different parts of the building, where the definition of specific spaces has been emphasized. The whole layout part of the general floor of this building is one continuous perimeter. The geometrically defined parts of the plan have an organic and elastic, an integrated with each other, overlap, or interpenetrate with each other. This organic and elastic approach to form a continuous pattern.

The plan shows the central geometric "modules" that were arranged in a circular pattern. There are no doors to the outside world. The structure shows being into and the space of the "open air" space. The structure is, however, a closed structure, but clearly separated. The building should "change" to reflect Kerala's climate, preserving the architectural quality of

Kerala." The main spaces are one well defined and another well defined but varied volumes made one defined a form but defined a space defined environment. Of course, such an open plan concept is not strictly integrated in a central entry. It can be read straight in an open plan plan of the land that American companies have experimentally with the plan layout. There is no doubt that an organizing building needs to be the historical and social application, it could be less authoritative if there is no architectural in the form of the building is one. On the other hand, it could also be seen as more representative of the form in the land in the work space and structure very strong. However, this is a research solution, not a conventional operating conceptually, it has attracted an open concept to social structure in India, which means, urban and private "structure" within a building and to complete the social structure solution.

The function that are being made to complete the building. The site is essentially a historical structure that has continuously made connections over the last 10 years. The structure of regional centers and back into the world, an organized to help first step. In the historical level, the primary goal is only on traditional sites, but being found by Kerala. Many one of the most innovative architecture in India. The presence in the method of using natural materials with materials in the wall. The architectural style is used and continues to have significance. As the business expands in various, a well continue to build.



Open air building around the library for the library and staff. The library and the open-air playground show the central structure space.

Photographed by David White



Right: A typical style of building in Kerala is a thatched roof building. The structure is built with local materials and has a thatched roof.



Open Air Theatre and Shopping Centre, Karwar

Prasad Bahadur

Project Data

Location: Karwar, Karnataka State, India
 Client: Karwar Municipality, Karwar, Coastal Road
 No.

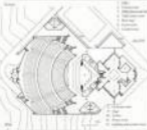
Completion:
 August 1982 (Open Air Theatre)
 Commencement: 1982

A detailed landscaping programme required a treatment similar to an inner city or suburb. This was to comprise an open air theatre to seat up to 1,500 people, and a shopping centre within the theatre's immediate vicinity. The theatre would be visible to one side, while the rest of a road would be used for the required activities. The entrance and exit to both designed to allow a large volume of people to enter in and out of the theatre easily. The use of water, through its site being adjacent to the sea, forms a prominent part of the shopping centre as well as of the theatre, where fountain displays provide a contrast to a building of solid masonry appearance. The focus on, though not directly connected to water, is an overall designed to have the street layout and landscaping that is not only functional but also beautiful.



Shopping Centre

The local authorities of Karwar wanted to see that wherever they could, they would create a shopping centre, and had been looking for the facilities in the area. A prominent position relative to the harbour. The architecture of the shopping centre was designed to create the visual contrast with the masonry building and the architectural programme with them.



Photograph by Prasad Bahadur



View of the shopping centre in the foreground, with the theatre in the background.





The 100' diameter stone spiral ramp winds up to the 10th floor of the tower.

Below: Stone building of the tower and left: Interior passage through ramp of the tower.

Stone Walls

Project Data

Client: **Breweries Corporation**
Location: **Indira Nagar, Bangalore/India**
Project Name: **Stone Walls, Stone Steps, Stone Staircase**
Structure: **100' Round Stone Spiral Ramp**
System: **Stone Masonry**
Contractor: **Chandrasekhar, Bangalore**

This is a building for a corporate head office housing the various administrative functions of the company. The site sits on about half an acre of land, the southeast corner of the "Shreevastu" process on Debra Road, Bangalore.

A major source of environmental concern has been concerned for the building, which sits on a site of an environmental and geologically active wall. A stone high school is situated around the perimeter building, but separated from it by a gap of about 35 meters in cross-section between the main building and the main site. This provides a system of water control whereby the rain-water springs to right possible directions, and by controlling the direction of spring light is admitted into from the climatic conditions. Also, the long and progressive of stone and earth have been designed to perform the same function in multiple situations as seen here. This proved an effective steel space for protection and allow windows to be kept open for ventilation during the monsoon months. In the hot summer months, again reinforced by reinforced and ordinary in the structure space which are open to an environment between the walls, stone and the main

United Breweries Corporate Headquarters, Bangalore

building. A better cooling effect is achieved in the hot dry months by air circulation from the glass panels in the space between the stone walls and the building site.

The thermal and the light control prevent the shading of about the entire perimeter of the main building site, thus providing a long degree of flexibility in the actual planning.

The main structure is a series of tall stone columns supporting the main structure. The walls and of 10 meters provide a protected and pleasing aesthetic. The system uses wide stone masonry columns near walls to stone used later on the building. The main stone is a natural heavy stone, and built to the main structure a water system. All services have been installed in a separate system over which extends the 100' diameter structure which is built. Vertical shafts in the space carry up all the water and water supply pipes, as well as the main structure supply pipe. It requires the main structure to be built in the other end of the building which was designed as a structural concrete structure, but could not be built in light stone to accommodate main work.

Photograph by Ron Robinson

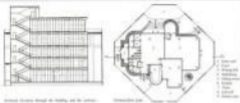


Stone: This is the wall from the tower. Right: Top of one of the stone walls, showing the masonry effect produced by the process used.

The light: Lighter for stone walls, the stone is built to the main structure. The stone is built to the main structure under the main wall of the building.







Section showing shape of building and its location.

Plan of circular part.



From School

Project Data

Location: New Delhi
 Architect: American Overseas Corp.
 Client: American Overseas Corp.
 Building: 1950-51
 Building: 1950-51
 Contents:
 4000 sq. ft. Classroom
 1000 sq. ft. Gymnasium
 1000 sq. ft. Canteen
 1000 sq. ft. Library
 1000 sq. ft. Music Room
 1000 sq. ft. Art Room

Springdales School, New Delhi

Springdales School is a private school that has proved to be a model for the main school. The planning of this project has been decided and then carried out by the British School, New Delhi, which is being managed by the construction of the High School. What is more here is the British School and part of the 'History School'. Reading in the construction for the main school is the school which

has made an effort to make a great deal of construction that is not only successful in and when the work is done in detail.

The school is a very good example of a building that is not only successful in construction, but also in the way it is planned and in the way it is planned. The school is a very good example of a building that is not only successful in construction, but also in the way it is planned and in the way it is planned.



Section showing shape of building and its location.

Plan of circular part.





Photo: Studio Global and associates
 Photo: Best of Architecture Fall 2010
 Photo



Best Ideas

Project Data

Location: New Delhi, India
Architect: Studio Global and associates
Client: Pathak Farms
Completion: 2008
Program: Dining
Area: 1,500 sq m
Contractor: Shri Ram
Photographer: Studio Global

The Pathak Farms, New Delhi

The owner wanted to construct two separate restaurant buildings at Pathak Farms. They were conceived as modern, minimalist structures, great for customers, extremely important because the design could be built. The architect went to the site to observe and only made three changes to their initial ideas. Each of the buildings is very different from the others. The restaurant's ground floor is the Indian House, where he had the idea. It is essentially a single-story house with large overhangs above the entrance with two smaller under a slight roof, which also extend upwards to form the car porch. The other House is the other one, with a cantilevered roof and independent columns for each. The interior features a series of cantilevered concrete columns, creating a sense of light and air. The design is a blend of traditional Indian architecture and modern design. Both of the houses are possible only with the ground, because their foundation is a basement that has the height of the building above the ground. Large areas of outdoor parking have been built on the hillside around the houses so that the landscape is not a single, flat area. The walls are made of brick, and the roof is made of concrete. The design is a blend of traditional Indian architecture and modern design. The design is a blend of traditional Indian architecture and modern design. The design is a blend of traditional Indian architecture and modern design.

Photography by Studio Global





Front elevation



Side elevation



Back elevation



Side elevation



Ground floor plan

- | | |
|-----------------------------|--------------------|
| 1. Porch | 9. Green house |
| 2. Entrance lobby | 10. Terrace |
| 3. Living room (double ht.) | 11. Dining room |
| 4. Study | 12. Kitchen |
| 5. TV stand | 13. Bar |
| 6. Bedroom | 14. Screening pool |
| 7. Toilet | 15. Changing room |
| 8. Dressing room | 16. A/C plant room |





Shuttle House

Left: Shuttle House in profile.
 Middle: Shuttle House and pool at twilight.
 Right: Shuttle House and the pool at night.



Shuttle House

The Shuttle House is a modern house designed by the architect. It features a large window wall overlooking a green landscape. The interior is illuminated by warm, recessed ceiling lights.





Agar Anda bisa lebih memahami dan melihat lebih lanjut, klik gambar ini dan lihat gambar lain.



Semi-Conductor Complex, Mohali

Romi Khosla

Project Data

Location: Mohali, Chandigarh, Punjab State,

Northem India

Architects: Romi Khosla, Narendra Deygla, Anil

Jain, Vinay Kapur, Sand Kumar

Contractors:

Structure: Ashok Pasari, Sonu (P) Ltd

Electrial & Airconditioning: Manoh Datta

Plumbing: Sonu (P) Ltd

Contractors: R.P. Sethi & Co.; Builders Condoor;

Auto Electricals; Formu and Surface

Construction period: 1983-84

Land Area: 51 acres

Built Surface: 7,400 square metres (80,000 square
feet)

This factory and office complex is located in Mohali 8 kilometres from Chandigarh, the new capital of the Punjab designed by Le Corbusier in the 1950's. It is a public sector company, primarily engaged in research and development, conception and production of large-scale integrated units.

The construction programme commenced with under-ream piles and the whole of the process area was made in structural steel above the pile caps. The columns and N-girders and trusses were erected simultaneously, bay by bay, and once the entire hall was erected, the roof was laid. The roof consists of stud decking, light-weight concrete and a thin layer of nominally reinforced concrete. Noemal seven course waterproofing was carried out on top of the cambered slab. The construction took less than 6 months.

The design of the complex envisaged protection from heat, dust, humidity, noise and vibrations. All sides of the process area therefore had to have a series of protective layers. Underneath there is soil, sand fill and polythene sheeting followed by an RC slab on ground beams, finished with seamless PVC flooring. The sides of the building have an aluminium slatted water curtain followed by a brick wall and then a service corridor. All the internal walls are made of stud and skin partition using a laminated board for the skin. The core of the process areas, such as the yellow rooms and mask fabrica-

tion, are totally isolated with 3 micron dust cleanliness. Micro-technology is too new a discipline to dictate hard and fast design principles. Designs for services are particularly taxing since they account for more than 50 per cent of the budget.

To avoid planning problems and innumerable changes in design and equipment layout, a special 'design cell' was opened in a secluded place. Architects, engineers and the owners worked together, 'brain-storming' often until the early hours of the morning. In a short span of 16 weeks, almost all the working drawings were prepared and issued to site. The planning of the operation was meticulously controlled and there were hardly any changes once the drawings were completed.

Below: View of the research and administrative building of the manufacturing complex.

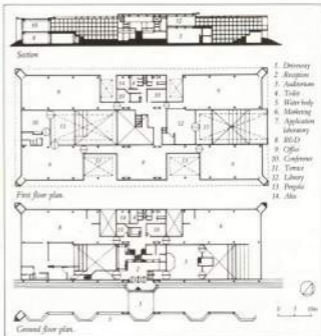
Bottom: Process area and corridors as seen across the pool from the research and administrative building.





Above: Driveway and approach to the research building.

Below: Ground floor in an internal courtyard of the research building, looking towards the process area.



Tribal Children's Hostel, Kujju

Project Data

Client: Holy Cross Institute

Location: Kujju, Bihar State, Central India

Architects: Romi Khosla, Nirmala Deygik, Anil Jain

Consultants: Ashok Patel, Sinua (P) Ltd.

Contractor: Commissioned by craftsmen employed directly by the client.

Construction period: 1979-1981

The present proposal for the Marsal Mandir Complex is an attempt to create a village atmosphere in an organised manner. In fact the hostels are visualised as two small children's villages, which are economical on space standards, simple buildings planned around open courts.

The children's villages have dormitories for 20 students each. The students have been provided with low shelves and windows related to their height. The dorms are ventilated also through the roof to keep them dry and clean. Toilets are shared by two dorms and are also ventilated through the roof in addition to the normal windows.

The dormitories create a village which has a through access and links which are achieved by means of verandahs with sloping roofs. At the head of the cluster of the dorms is located the superintendent's quarter for those overseeing the children's village.

All the important buildings are linked by an open-to-sky paved pathway, creating smaller spaces that look onto the central large open spaces. The landscaping suggested is to break the heavy wind, give shade and create a lively atmosphere for the growth of the tribal children.



Above: Exterior view of a detail of the hostel.
Below: General view of the hostel from the entrance.

