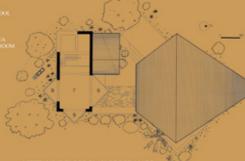
THE AGA KHAN AWARD FOR ARCHITECTURE 2007









1 Red Mars: the weekend retreat of Faruk Ebrahim and his family.



2 Entrance to the pavilion

3 Mural of Turtle made out of waste coconut shells and waste shahabad tile strips



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4 & 5 The pavilion



 Staircase to master bedroom at mezzanine floor. The destilumination coules a peculiar seronty and number to arrests one's sensitivity.





241 .IND- EBRAHIM FAMILY HOUSE "REDMARS"







9, 10 & 11 Veiw from the south

The noof on the south side that cantilevers over seven meters acts as a strong sheld against he and rain. Its one-point converging support is startly and has withstood winds blowing at bifuand speed. The nodes of the framework have been provided with cocomat shell lighting.

7 & 8 The master bedroom

The 3.1/2 feet high arched opening with batterfly-winged shater leading to the master bednoons in a unique transition experience because of its low height.

MATERIALS & CONSTRUCTION DETAIL

Red Mars draws its spirit from an honest use of local natural materials.

Black Basel. The locally available, fine-grained basalt nock, an extrasive igneous rock found above the earth's surface, was used for the foundation, for its high compressive strength. ECC Copies. RCC Copies was used in the junction between the basalt foundation and brick wall to prevent cracks on the wall due to seismic movement. Hose to add the required rustic element and also keep the budget low, locally available lake water brick was used. Earling Seepers. Railway skeepers were chosen for the flooring of the mezzanine, due to their light weight, rustic look, and durability. Elies shabbad files were chosen for their warm colour, rough texture and price, while china mousic work was used for the swimming pool, buthing area, and above the RCC coping Mangalore tiles, which are light weight and low in cost were used to cover the roof. Stating for Arches. To cut down the cost of shuttering, 9-inch thick brick, walls without mortar were constructed as shuttering for arches, the gaps between the bricks were filled with dry sand. Mortar was used for smooth-ening the top, creating a smooth curve which was then laid with arch-bricks. After an arch was complete, the shuttering bricks were removed and reused for the next. Roofing systems. To create the massive roof overhang for protecting the exposed brick, low-cost, lightweight, 5'x 5' grids of hollow box M.S sections were constructed, with battens on top for the mangalore tiles. The grids are supported by a space-frame made of circular rods to transmit the load to the brick waits and prevent the roof from bucking. Sincture The structure is parely load-bearing, with an interrelationship between two dynamic forces - compression [the brick in the arches] and tension [the steel in the roof].

LANDSCAP

The landscape revolves around the existing trees, and has been kept as natural as possible, with mounds coered with shrubs to blend with the scale of the building.



12,13 &1

The open to sky bathing area, where fins placed for privacy add their own drama.creating a play of light and forms. To augment the rustic ambience, stop valves instead of taps, and a grid of water pipes with nine shower jors, which give the field of bathing in the rain.





While designing Red Mars, no particular style or ism was followed - rather as far as possible its inspiration was drawn from the context of the cultural milieu of the area, using ancient construction methods and local materials, reinterpreted for current times. Red Mars will inspire others to build with 'Honesty of thought and sincerity'. It has been designed to be 'an extroverted space' that would help to extend and expand people's horizons.





- 15 The cantilevered beloony of the measurine floor initiates dynamism in form while subtly scaling down the super structure behind.
- 16 The swimming pool, with vibrant colour, is designed like a "kund" and looks attractive even when it is not filled with water and balances the natic nature of the villa.
- 17 The swimming pool creates an exotic ambience between the living and dining spaces while the master bedroom halcony that cantilevers over beyod is dynamically integrated with the lower level.

