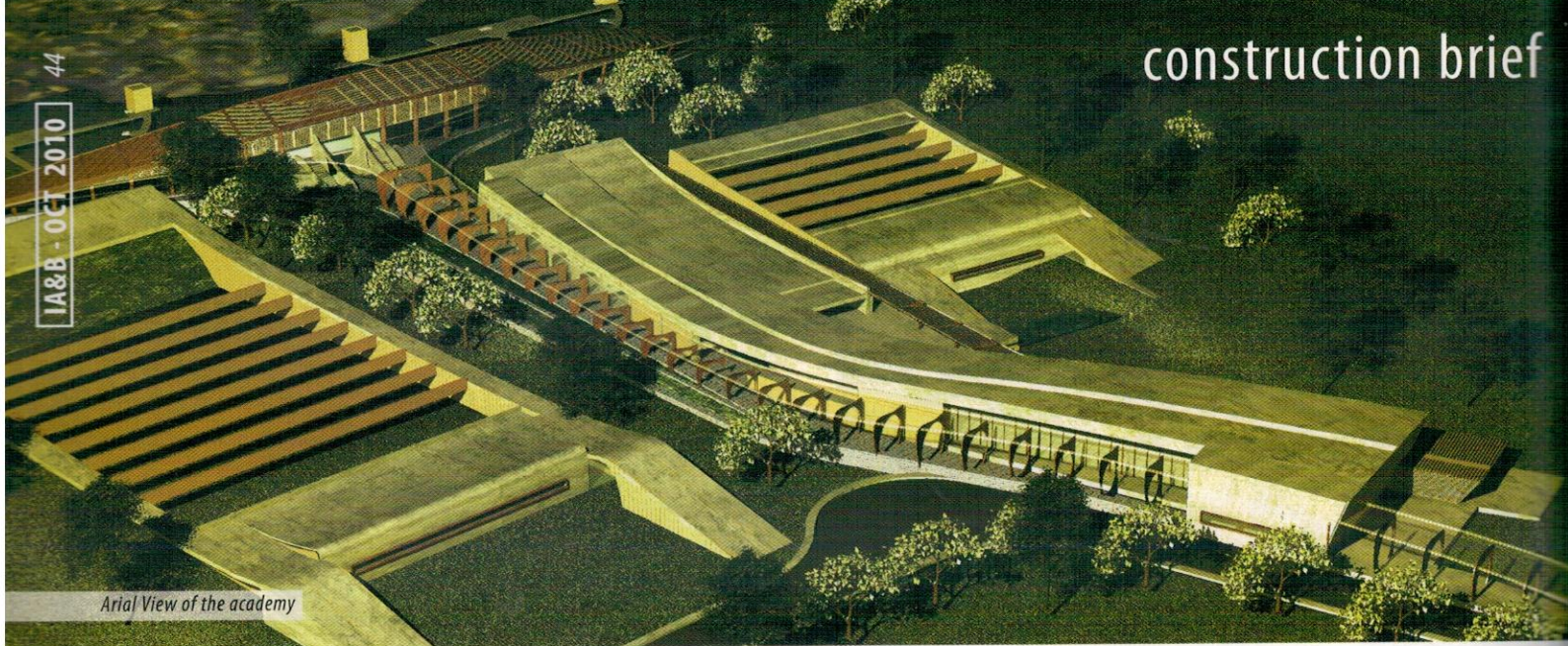


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Architecture:
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Aerial View of the academy

M. P. State (DSYW) Shooting Academy

Can Fluid Architectural Design be cost effective? M:OFA a Delhi based studio has explored in this project.

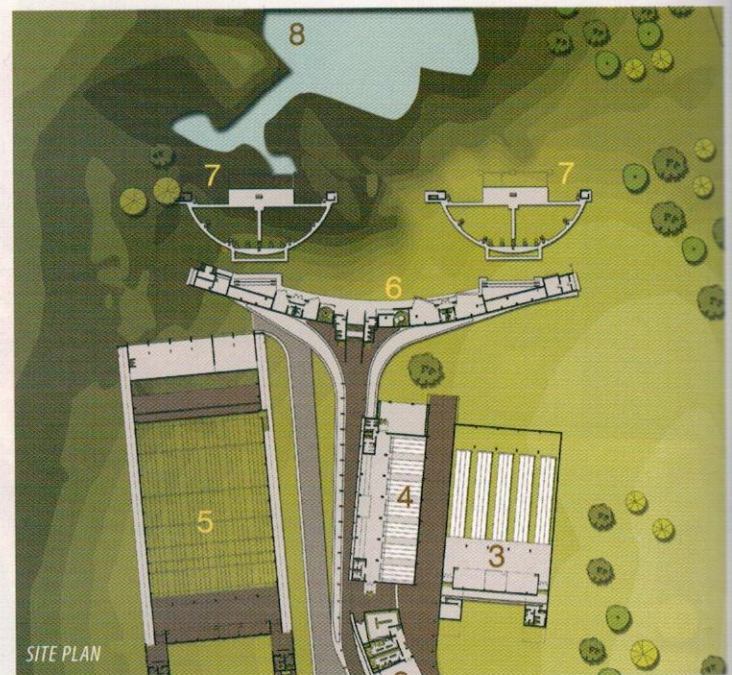
Text compiled by: Sidharth Gupta
Photograph: Courtesy the designer

Located on the outskirts of Bhopal, Madhya Pradesh; the project involves the creation of a world class shooting academy for The Ministry of Sports & Youth Welfare. The academy comprises of three individual ranges; 10m, 25m, 50m and a twin set of trap and skeet ranges. The Project was divided in two phases; with 50m shooting range and the twin trap and skeet ranges to be completed in the first phase by 2009 and the rest of the project by 2011.

The Concept was derived from the dynamics of undulating site and the functionality. Instead of creating oblivious blocks for various ranges, the design team decided to create a flow of dynamic forms which merge, shoot out and explode thereby creating a flow that tries to recreate the force field created by a shooting bullet from the pistol to the target.

There have been some serious measures taken to make the institution self sufficient. Towards the water requirement, a 3.5 acre catchment basin has been created. The water collected during the monsoons would serve the landscaping and the human requirement for atleast 8-9 months a year, also providing the required calm and serene water body essential for the shooters.

The sports infrastructural facility has fulfilled strict norms and guidelines set by ISSF (International Shooting Sport Federation) and NRAI (National Rifle Association of India) right from the North-South orientation of the outdoor ranges to, a zero tolerance dimensions of all ranges. The challenge lay in creating fluid forms and dynamic spaces yet adhering to the norms strictly. Various ingenious methodologies were researched and implemented along with the contractor to keep the cost of the project under control yet achieving the fluid dynamic forms.



SITE PLAN

1. Administration
2. Players Facilities
3. 25m Shooting Range
4. 10m Shooting Range
5. 50m Shooting Range
6. Viewing galleries
7. Trap/ skeet Range
8. Rainwater harvesting

FACT FILE:

Project	:	M.P. State (DSYW) Shooting Academy
Architect M	:	M:OFA Studios, New Delhi
Design team	:	Manish Gulati (Principal Architect), Tanushree Gulati (Principal Planner), Prakash Pratap Singh, Akriti Sood, Richa Gupta
Project Area	:	3500sqm
Structural engineers	:	ROARK Consulting Engineers
Sports Consultant	:	Mansher Singh.
MEP Consultants	:	Vinod Sharma (Plumbing), Mahadev Verma (Electrical)
Initiation of Project	:	2007
Completion of project	:	2011