

CIDCO Kharghar Valley Golf Course, Navi Mumbai



CIDCO Kharghar Valley Golf Course one of the finest golf courses in India.

The Kharghar golf course spanning 756 yards meets world standards and become the largest fairway in the country.

The Kharghar Valley Golf Course (KVGC) upgraded to transform from a 9-hole to an international championship-level 18-hole golf course.

The golf course, which covers 157 acres, utilizes treated wastewater for irrigation. It consists of two loops of 9 holes and include a top-notch driving range with 29 hitting bays and comprehensive practice facilities. A dedicated short game practice area, complete with chipping and putting greens, has also been developed. Notably, it features India's longest fairway at 756 yards and an impressive island green that presents a challenge to golfers.

This green land is designed by an Australian company 'M/s Pacific Coast Design' based in Melbourne.

Firestone lining system was installed for waterproofing the golf ponds spread over an area of 16000 sqm. It includes dredging, placing plastic waterproofing membrane in the bed, a silt chamber to prevent rainwater sludge flowing into the lake.

Firestone PondGard offers a very robust lining system. The membrane comes in several sizes that can go up to very large sheets (930 m²). For this project, large membranes were used to make the installation a lot easier and reduce the installation time. Firestone EPDM PondGard also offers high durability under fully exposed conditions. Rocks used for ballasting won't puncture the membrane. The elongation

Quick Facts

Project scope:

- ❖ 16000 sqm of lining carried out with 1.1 mm Firestone EPDM PondGard
- ❖ High visibility and prestigious project
- ❖ To deliver an excellent waterproofing to preserve water for seeping into the grounds
- ❖ **Client:** CIDCO
- ❖ **General Contractor:** Ajwani Infrastructure Private Limited

Challenges faced

- ❖ Accommodation for significant design changes
- ❖ Many aesthetic features in the course
- ❖ Rain delayed the project
- ❖ A lot of rock work on the liner

Features of EPDM PondGard:

- ❖ Waterproofing membrane High elasticity (>300%)
- ❖ Long-term durability
- ❖ Large sheets reducing on site seaming (930 m²)
- ❖ Fast and easy installation
- ❖ Treating pipe penetrations, islands and waterfalls present in lake
- ❖ High flexibility (at high and low temperatures, as a result adapts to irregular shapes)
- ❖ High puncture resistance

properties help the membrane to accommodate to differential soil settlements. Waterfalls, islands, even pipe penetrations are no problem for the Firestone EPDM PondGard. Firestone offers a complete range of waterproofing solutions. DBS (authorized Firestone distributor) provided a continuous support in ordering all materials as well as coordinating the installation of the lining system. The result of this excellent collaboration is an artificial pond that meets all expected standards.



For further information about waterproofing applications, please contact: DBS Building Products Sri Sobha Sing Building, 5286-87, Shardhanand Marg Delhi-110006 Tel: 011-66308888/23216062 Email: sales@dbsbp.com