

STEWOLS KNOWLEDGE

FORUM

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STEWOLS INDIA (P)
LTD.

HIGH- LIGHTS OF THE MONTH:

- **Construc-
tion of
10,00,000
Square Feet
Food Park
in North
India**

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Construction of 10,00,000 Square Feet Food Park: North India



Flooring of Ongoing Project of Food Park: North India

Project comprising a Mega Food Park is under- way in North India.

The Food Park is a Special Purpose Vehicle initiated under the Mega Food Park scheme of MoFPI (Govt. of India). The project aims to provide Proc-

essing Infrastructure & Support Facilities to the Food Processing Units to be established in the Food Park. It will cater to the demand & supply of food manufacturers, food processors, food sellers & food consumers.

Spread in an area of 50 acres land, The Food Park is located in the most commercial place of

the region, The company shall provide state of the art, world class facilities for pulping, tetra packing, dry warehousing, cold storing, testing, sorting & grading. The project will provide strong Backward & Forward linkages through 1 CPC (Central Processing Centre), 3 PPC's (Primary Processing Centres) & multiple CC's (Collection Centres).

From Farm to Fork, from Seed to Shelf, the food park will be the one of its kind in the state & dramatically empower the food industry of Uttarakhand.

The project has been supplied by SHAKTIMAN® Steel Fiber MSHCF 50 to provide Super Flat and Super Strong Pavements for Crack-Free and Longer Service Life of the Floors and Roads.

Casting of SFRC Flooring in Process (Right) at Food Park



Hydro Electric Project-1, East India



*3 x 4 MW Hydro Electric Power Plant—
1, East India (Above & Right)*

3 x 40 MW Hydro Electric

Power Plant in East India have used **SHAKTIMAN® Steel Fibers** for reinforcement in Shotcreting of the Tunnel which commenced its first stage in 2014. This ongoing project is being supplied with **SHAKTIMAN® MSH 6535 Steel Fibers** for reinforcement.



Hydro Electric Project-2, East India

Steel fibre-reinforced shotcrete (SFRS) is shotcrete (spray concrete) with steel fibres added. It has higher tensile strength than unreinforced shotcrete and is quicker to apply than weldmesh reinforcement. It has often been used for tunnels

SHAKTIMAN® MSH 5530 Steel Fibers are being used in an ongoing Shotcrete application of the **Tail Race Tunnel** which has a capacity of generating **120 MW power**. The tunnel has been constructed with Cut and cover box section which is 740m long, size: 4m x 3m. Construction work on this project is still ongoing.

In the fight for longevity, cracking is one of the biggest challenges that structural engineers face in a shotcrete project. Anticipating these issues is one of the cornerstones of the industry, and one of the main reasons why **steel fiber-reinforced shotcrete** has continued to gain traction over the past over 40 years.

Entrance to the HEPP Tunnel (Right)



SFRS With SHAKTIMAN® Steel Fibers In Diversion Tunnel For Lift Irrigation System-1



SFRS in Water Diversion Tunnel using Shaktiman MSH 6030

This **6 Kms.** Long Water Diversion Tunnel has been reinforced with Steel Fiber Reinforced Shotcrete Technology. **SHAKTIMAN® Steel Fibres MSH 6030** were used. The project is still ongoing.

“Addition of SHAKTIMAN® Steel Fibers into the concrete improves the crack resistance, requires Less labour and Less Construction Time.

SFRS With SHAKTIMAN® Steel Fibers In Diversion Tunnel For Lift Irrigation System-2

A 25800 cubic meter project uses Shaktiman Steel Fibers for Shotcrete Technology for construction of their Water Diversion Tunnel .

SHAKTIMAN® Steel Fibres MSH 5530 are being used for this ongoing project



SFRC Flooring Of Bus Body Building Unit in Faridabad

SHAKTIMAN® Steel Fibres MSCF 50 was used in the construction of Factory Floor for Bus Body Building Unit in Faridabad.

Heavy Duty Industrial Flooring using SFRC technology was done on an area of 1,25,000 square feet with a 150mm of thickness.

Contractors find SFRC technology very user friendly and hence believe in repeated use of the same.



SHAKTIMAN® MSCF 50 was used with Tremix Technology

SHAKTIMAN



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