

CASE STUDY

Arresting Leakage of 6500Lit/Min

Project Name
Singholi Bhatwari Hydropower Project, Uttarakhand.



AUGUST 17, 2021

VALPLAST TECHNOLOGIES PVT LTD

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Customization of product:

Looking at water ingress of 6000lit/min. combination of different products were required in different holes for water diversion, consolidation of rock mass, filling concrete voids/cracks. To achieve the goal combination of product from fast to medium reaction time products with other suitable parameters were used.

Choice of Suitable Packers & Grouting pump:

For injection of different products following a particular grid pattern suitable two component & single component high pressure grouting pumps were used for successful execution of works. At same time for smooth grouting operations suitable NRV mechanical packer with suitable perforation pattern were used having depth of up to 3.5m.

Water ingress pressure was too high hence to counter the same suitable high-pressure grouting pumps were used & cut-off pressure limit was 25bar further subjected to site condition.

Scope of Service

- Providing and Injecting Chemical Grout.
- Chemical grouting with single/double component Polyurethane (PU) and Urea Silicate

Site Impressions:



