

High Head Pumps for Mines Dewatering in Northern India

This case study is about how the underground mine in northern India benefited by using Darling make Mines Dewatering Pumps for their underground mines dewatering.

Problem faced by Customer :

Mines Dewatering is one of the most critical application as any lapses in it processes can result in major safety concerns for people involved.

Traditionally user opted for very highly rated mines dewatering pumps, a global brand & the pumping was done with the help of their 10kW & 18kW Dewatering Pumps.

However pumping mine water is not easy task as it is abrasive in nature. The contamination of zinc, soil and sand particles resulted in high wear & tear of critical parts which in turn resulted ingress of water in seal area eventually leading to break down of pumps.

Once the pump were down, user had a major challenge putting them back in service as getting a foreign brand pumps repaired locally was not a easy task. Ensuring availability of spares, necessary skill sets & keeping repair cost under check never used to be under user purview.

This resulted in;

- Inconsistent working result in loss of revenue & risk to human life.
- High operating cost
- Limited options for user to work with



ENTER DARLING PUMPS, WE TOOK IT AS A CHALLENGE TO WORK FOR CHANGING END USERS LIVES FOR BETTER BY OVERCOMING THE ISSUES FACED BY HIM DUE TO USE OF OTHER MAKE PUMPS

Solution Offered by Darling Pumps:

- Provided pumps having one of the most reliable mechanical seal fitment design, no ingress of water in seal area. Seals working under very less or zero discharge pressure & loads of other features as well.
- Ensured required flow & head is achieved in lower ratings, resulting lesser running cost.
- Pumps offering the least minimum submergence, aiding maximum pumping.
- Flexibility in choice of MOC to suit specific site conditions
- All pump wearing parts independently replaceable, bring down the spares consumption drastically



Benefits to the customer:

- Consistent & trouble free pumping.
- Quick & Economical after sales service.
- Low spares replacement cycle, Faster availability of spares
- Cost of ownership much less compared to foreign pumps

Benefits of TH Series Pumps:

- Low, Compact, easy to handle design ensures better reach to maximum depth
- All rotating parts are made of special abrasive resistant metals & are independently replaceable
- Built-in efficiency restoration system
- Fully covered shaft is not exposed to pumped liquid hence less wear and tear
- Built-in overload protection
- Mechanical seals are independent of discharge pressure



Darling TH Series Pump

End Result –

**AN ONE MORE VERY HAPPY & SATISFIED CUSTOMER FOR
TEAM DARLING**

Note: For more details about this case study, you can contact: +91-9981992833