



sealmatic®



Sealmatic bagged a very prestigious order for the high precision and extremely critical 'Fully Split Seals' for Metal Volute Pumps for a Lift Irrigation project in Telangana State through a leading pump OEM in India. The seal size is 480 mm, which is probably the largest size of split seal ever made in India. The design of the seal is very articulate and critical in view of the specific parameters laid down by the project specifications. Some of these are:

- A 'fully' split seal, which becomes a challenge for such a large size, especially when the expected leakage rate is to be achieved.
- A shutdown seal, which also is in fully split design and which becomes an integral part of the main seal assembly. A shutdown seal comes into operation when the equipment is shut down for maintenance. Shutdown seal basically holds the entire process without having to depressurise the system, when the pump is being maintained.
- Typical installation requirements. Being of almost half a metre diameter, manoeuvring the seal assembly for installing onto the machine becomes tricky.

Sealmatic possesses expertise in design and engineering of this product, a very micro level understanding and expertise is needed in order to achieve the desired performance parameters.

Sealmatic Bags Order Through A Leading Pump OEM To Supply Critical Mechanical Seals For Pranahita Chevella Lift Irrigation Project

Especially, the splitting of the seal faces is a very crucial and intricate process, which needs to be carried out very scientifically and with a great precision, which locally Sealmatic is the only Indian company which does this intricate process in-house at their factory in Mira Road, Thane (India). This will generate annuity spare parts business for the company for decades to come, which will increase the top line and a great booster to the bottom line.

The **Pranahita Chevella Lift Irrigation Project** is a lift irrigation project to harness the water of Pranahita tributary of Godavari river for use in the Telangana state. The river water diversion barrage across the Pranahita river is located at Thammidihatti village in Komaram Bheem district of Telangana. This lift canal is an inter-river basin transfer link by feeding Godavari River water to Krishna River basin. Metal Volute Pumps and therefore the sealing arrangement carry a major role in achieving the effectiveness of this transfer without having any compromise in the efficiency.

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TÜVRheinland®
European Directive 97/23/EC
QS-System (Module H)



CE II 3 G/D c T2
ATEX - 2014/34/EU



ISO 9001:2008
ISO 14001:2004
BS-OHSAS 18001:2007



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