

PONTOON MOUNT SELF PRIMING DEWATERING PUMP PROJECT

PT DARMA HENWA TBK



PROJECT LOCATION: Coal mine owned by PT Arutmin Indonesia, Asam Asam – South Kalimantan Province.

PROBLEM: PT Darma Henwa, as one of main mining contractors working on the area, faced the problem of groundwater and high and erratic rainfall. Due to this unpredictable rainfall, their pit was flooded and required a pump with a large enough capacity to extract the excess water. If this extraction was not done within the client's timeframe, PT Darma Henwa would incur a late penalty charge.

SOLUTION: PT Darma Henwa contacted PT REL to conduct their pit survey and determine pump models, pipelines and technical specifications to get optimum pumping results.

The application engineering team recommended using the 1 unit REL-MF420EX and 2 units REL TF150-150 pump configured to address the hill surface height and long distance to the disposal area.

SERVICE PROVIDED BY REL: Site and product assessment, equipment recommendation, installation, commissioning, testing and provision of a dedicated, skilled pump operator.

PROJECT SCOPE:

Minimum Product Discharge:	230 litre/second
Static Head up to:	125 m
Pipe Length:	700 m
Specific Gravity of Slurry:	1.00
pH:	3

DURATION OF PROJECT: 12 months

EQUIPMENT PROVIDED: 1 x PT REL High Head, High Flow Heavy Duty REL-MF420EX Cat C-27 ACERT pump unit, fitted with stainless steel components, also with 2 units TF150-150 Cat C-18 ACERT pump unit.

RESULT: Our client was very satisfied with the outcome which was completed on time and on budget with our equipment remaining 100% available whilst on site.