

# MUD AND SLURRY PUMPING RENTAL

PT THIESS CONTRACTORS INDONESIA



**PROJECT LOCATION:** Coal mine owned by PT Mahakam Sumber Jaya, Separi Kukar – East Kalimantan Province.

**PROBLEM:** PT Thies needed a slurry pump to remove 1,237,000 m<sup>3</sup> of mud material from the sump to the disposal area at a distance of 1,400 meters.

Coal waste material that had been mixed with mud became one of the challenges so skill and accuracy in completing the task were needed using efficient equipment in the process of removing the mud.

**SOLUTION:** PT REI decided to use a mud pump system installed on a 30T class excavator using hydraulic power with a minimum pressure of 250 bar to remove the mud with a concentrated density.

This pump system was also assisted by a booster pump in order to achieve the disposal distance that had been pre-determined by the engineering application team of PT REI based on their site survey and data collection.

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

**PROJECT SCOPE:**

Minimum Product Discharge:	280 m <sup>3</sup> /hour
Static Head up to:	105 m
Hose Length:	1,400 m
Specific Gravity:	1.3
pH:	5,6 – 6,6

**DURATION OF PROJECT:** 3 months extended

**EQUIPMENT PROVIDED:** 2 units custom designed REL-HY 85/160B, 1 unit booster MF395, Hydraulic Operated Submersible pump unit.

All required custom hydraulic component, custom pump to boom attachment to suit our customer excavator, custom rock cages and pump flushing equipment.

- 2 x Slurry HY85-160B
- 1 x Slurry Booster Pump MF395
- All required high pressure custom hose and high pressure lay flat hoses
- Electronic measurement, metering and management equipment including flow and SG

**RESULT:** Our client was more than happy with the outcome which was completed on time and on budget with our equipment remaining 100% available whilst on site.