

Minerals Processing Solutions

Kimberlite
Russia

Project type:	Supply of complete processing plant including DMS circuit for diamond recovery.
Customer:	JSC Alrosa, Yakutia, Russia
Plant:	Seasonal plant for testing of DMS process at a new kimberlite deposit. Location in roadless land on the Siberian tundra with temperature differences between summer and winter which are more than 100°C (+35°C – -70°C)
Ore:	Kimberlite
Scope of supply:	<ul style="list-style-type: none"> Basic & detailed engineering Project management Equipment and building supply Power supply On-site training Customized documentation and manuals Erection and commissioning supervision Primary feed rate: 75 MTPH
Equipment & process	<ul style="list-style-type: none"> Primary jaw crusher Secondary cone crusher, Tertiary impact crusher, Barmac 5000 Regrind ball mill 1,2 m x 2,4 m, 30 kW Magnetic separator WS 1212 DMHG Scrubber 21 x 40 Feeders, Screens, Hoppers and belt conveyors. Slurry pumps, Pump sumps and chutes support steel work, Stairs, Grating and railing Slurry piping & Valves El. & Automation, Containerized



process instrumentation.
Hydrocyclones.
Diesel generator sets.
Containerized process building.
Spare and wear parts for commissioning and initial operation.

Benefits: Successful testing of DMS recovery of diamonds.
More efficient process.
Higher recovery.
Extremely short delivery time to meet the construction window, 3 months from order to equipment ready for delivery.

Comments: Short delivery time. All goods, 650 tons, packed and containerized for airfreight to site, first by Antonov 124 – 100 from St. Petersburg and the last leg by helicopter MI 26 to Nakyn site.

Year: CIP delivery to St. Petersburg 1999



www.metso.com
E-mail: minerals.info@metso.com



