



“Okorusu Fluorspar Crusher Conveyors”

Assignment

Kraatz was contracted by Okorusu Fluorspar near Otjiwarongo, to fabricate and install 3 conveyors on the new crushing plant, an overland conveyor of 600m running higher up the mountain, where it discharges on a material stock pile feeding the DMS (Dense media separation) plant, previously fabricated and erected by Kraatz. Our highly qualified team was instructed to install all the stringers and do the commissioning of the conveyor.

Additionally a structure of 14m high was also built to house the “stack- sizer” for further separation after the ball mill plant.

Furthermore a cyclone/clarifier structure was built during that time to house a water cleaning facility to recycle the water of the DMS plant for re-use.

Getting the job done

A team of Kraatz employees under strong supervision consisting out of a highly skilled foreman, boiler makers, welders and operators were up for the assignment. The total duration of the project was about 8 months and was including workshop fabrication and site work.

We have honored our commitment to include apprentices as part of the team to allow them the opportunity to gain valuable hands on experience.

The conveyor stringers were built in the workshop and transported to Okorusu. The stringers had to be assembled on site on top of the mountain, where limited workshop facilities were available.



Figure 1: Overland conveyor on the incline

The stack-sizer structures were pre-fabricated in the workshop transported to the mine, blast and primed onsite and then erected by the team.

The clarifier structure was also pre-fabricated in the workshop and erected on site.



Figure 2: Crusher conveyors

Key Learnings

Kraatz has demonstrated the capability and capacity in-country to successfully deliver on conveyor fabrications and installations.



Figure 3: Overland coming from crushing plant