

The river plant at Renico Quarrying and Crushing.



Plant activity on productive quarry

Janho Quarrying and Crushing situated in the Mogale City District, Gauteng, approximately 16km north east of Krugersdorp and about 10km west of Fourways is a hive of activity. *Cherry Ellis* reports.

The quarry was first established in the early seventies and was purchased by the Renico Group of Companies in 2007 and today trades as Janho Quarrying and Crushing.

A small army of plant is operational on the quarry 9.5 hours per day, five days a week, producing mining and beneficiating sand, cement stock bricks and ready-mix cement product, containing sand, cement and stone that are sold as a package product to local hardware and DIY stores. All run of mine (R.O.M.) activities are carried out by Renico Quarry & Crushing & Renico Plant Hire

"We are located on the buffer zone of the Cradle of Humankind and no blasting is allowed," said Gert Brits, managing director of Renico Quarrying and Crushing.

Without blasting, the 56-hectare quarry still has an operating life of at least 15 years.

Plant operating on the quarry includes, backhoe loaders, excavators, 10m³ tipper trucks, articulated dump trucks, wheel loaders and forklifts.

The Doosan/Daewoo excavators are mainly used to load the river sand onto the trucks, which travels on a 1,2km haul road to the stockpile. Case wheel loaders then feed the crushers and screeners.

The forklifts are working in the brickyards, which is fed by two brick-making machines, the VB1 and VB4, which produces between 75 000 and 120 000 bricks per day. The quarry produces various products for the building and construction industry, these include:

- river sand, single washed and screened through a 4mm screen
- a reddish building sand, screened through a 4mm screen;
- filling sand similar to a G6 and G7;
- plaster sand which originates from the Vaal and is yellow in colour;
- grey granite stone is crushed to give an aggregate of 13mm or 19mm; and
- builders blend is a river sand and stone mix which is available with 13mm and 19mm (dry mix without cement).

Pre-packed building products are also available from the quarry, they include:

- concrete mix – which consists of 13mm stone and washed river sand, with a separate bag of 32.5mpa cement;
- building mix – manufactured from building sand and a bag of 32.5mpa cement;
- screeding mix – which consists of washed

- river sand and a bag of 32.5mpa cement; and
- plaster mix – which consists of plaster sand and a bag of 32.5mpa cement.

The cement bricks manufactured at the quarry has a comprehensive strength of 7/14mpa, weighs 3,2kg.



Photo Cherry Ellis

Pre-packed building products are available.



An excavator loading a screen in the riverbed.

Photo Cherry Ellis



Gert Brits Managing Director of Renico Quarrying and Crushing and Quarry Manager Lourens Swanepoel photographed on site.



A Case wheel loader on site of Renico Quarrying and Crushing.

Photo Cherry Ellis

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