

**Enlargement of the open-air storage yard
and construction of a new access road
in the northeast region of the great port of São Vicente**

City of Mindelo, Island of São Vicente, Cape Verde

Work Description

This job undertaken by Seth (in consortium) in Mindelo, São Vicente Island (Cape Verde), provides the city with two major, significant improvements: increase of the area of the port and alterations to its road accesses, and a significant increase of the dry area of the Laginha beach.

The better to understand the benefit of this job, it should be explained that the climate in São Vicente allows the beach to be used year round.

The enlargement of the open-air storage yard covers an area of about 24,000m², built entirely on an area that was previously sea.

This enlargement was the result of the construction of a prism embankment 580m in length using rip-rap. Having been built to a height of 1.80m above the average sea level, the embankment was externally lined with stones weighing between 500 and 1,500 kg and lined on the inside with fabric known as geotextile with a mass of 300g/m².

Inside the embankment sand was placed dredged from another part of the bay of Mindelo, transported by the dredger then pumped ashore using 60cm diameter steel pipes.

About 90,000m³ were dredged and pumped ashore until the correct level was reached, allowing crusher-run aggregate/ C 8/10 concrete to be laid.

As far as Laginha is concerned, it was a beach about 300m long by 20m wide on average at the start of the job, its entire width sloping down to the sea.

Upon completion of the work the beach is now as follows: a level area 400m long by 70m wide, which then slopes gently till reaching sea level.

This beach is now bounded to the south by the embankment and to the north by a stone spur 130 m in length.

The increase of the beach to its final dimensions involved the use of 170,000m³ of sand that was dredged and pumped ashore.



Laginha Beach / Zone completion of the work



General view of the port area after intervention of this work

Resumo da Obra

Work Summary

Cliente	Ministério das Infraestruturas, Transportes e Telecomunicações de Cabo Verde	<i>Client</i>
Tipo de contracto	Valor Global / Lump-sum	<i>Contract type</i>
Construtores	Seth, SA (in Consortium)	<i>Contractor</i>
Data de construção	2013-2014	<i>Construction period</i>
Custo	€14.309.000,00	<i>Cost</i>

