

The country report on Hydrography and Nautical charting of the United Republic of Tanzania

Executive Summary

The improvement of charts covering Tanzania, Hydrographic surveying and production of navigational charts and Electronic navigational charts (ENC) are the matter of particular concern to the government of Tanzania to support marine issues on hydrography, safety of navigation and marine environment at sea and on the lakes.

1. Existing Hydrographic Equipment in Tanzania

- ❖ Ministry of Lands (MLHSD) has bought a MBES this year 2014 and is pressing on the upward way to get soft wares this fiscal year 2014.
- ❖ The Tanzania Ports Authority (TPA) is equipped with a SBES and a MBES.
- ❖ The University of Lands and Architectural studies (Department of Land Surveying) is equipped with 2 SBESs.

Tide Gauges, the Tanzanian sea level network consists of **three operational** stations of Zanzibar, Dar es Salaam and Mtwara. There are also two non-operational tide gauges at Tanga and Pemba which needs to be rehabilitated so that sufficient data is generated for the national sea level network.

Hydrographic Survey Vessel (equipment) only available at TPA.

2. Hydrographic Surveying and Nautical Publications

Tanzania through Tanzanian Navy (Ministry of Defence) in collaboration with Indian Navy conducted a survey from 26th of December, 2013 up to 25th January, 2014 for the sake of updating chart of Dar es Salaam harbour.

The nautical cartography for aforesaid survey is underway by Indian Navy for publication of new chart of Dar es Salaam harbour.

American Navy executed a survey in our waters in collaboration with Tanzanian navy and data collected handed in our navy.

3. The NHC

The National Hydrographic committee has been put in place, at the moment we are working very closely with Legal section to make it recognized and highlighted in our Land surveying act number 324 and Regulations.

4. Increased Maritime Activities (Offshore Oil and Gas) in Tanzania

Tanzania is endowed with diverse energy sources including natural gas among others, much of which is untapped.

Government policies are directed at petroleum product substitution by exploiting indigenous resources.

In the upstream oil industry, oil and gas exploration and production is also being encouraged. Extensive gas fields have been identified off the coast at *Songo Songo* and *Mnazi Bay* and these are in the process of being developed.

Current natural gas reserves are estimated to be 2 trillion cubic feet (tcf). The government is working closely with the World Bank to develop the Songo Songo gas fields off the Southern Tanzanian coast and in the Mnazi Bay area, with a view to substituting expensive imported petroleum fuels.

To sum up from this point of view, different natures of hydrographic survey tasks such as **exploration of underwater and subbottom resources, scientific research of the oceans, lakes and rivers** are inevitable. In order to achieve this goal which is a milestone for our country's economy the following step which follows hereunder was launched.

5. MOU On Hydrography

The government of the United Republic of Tanzania has signed the MOU with India for cooperation.

The launched cooperation is going to build hydrographic surveying capacity in the country for surveying our maritime space, expressly, in training of Tanzanian personnel at the National Institute of Hydrography in Goa, India.

I Submit