

## Partnership for Sustainable Hydropower in the Kiwira Catchment

**Objective:** Lay the foundations for equitable and sustainable water use for socio-economic development in the Kiwira Catchment

<b>Name of the Partnership</b>	Partnership for Sustainable Hydropower in the Kiwira Catchment
<b>Inception Phase</b>	February 2018 – December 2018
<b>Partners</b>	Lake Nyasa Basin Water Board (LNBWB) Kiwira Energy Ltd. / Frontier investment Ileje District Council Rungwe District Council Ensol Tanzania Ltd. /Bwelui Ltd. Kikundi cha Mazingira Ileje Mashariki (KMIM) GIZ Water Programme Tanzania GIZ Sustainable Energy Programme Tanzania International Water Stewardship Programme (IWaSP)



Stakeholders and partners during scoping mission, site of Kiwira 2, August 2017

### Setting

The Kiwira Catchment is located in Mbeya Region of Tanzania, it occupies some 1,900km<sup>2</sup> in the Lake Nyasa Basin; its population is estimated at 300,000 (2017 estimate). With the annual rainfall of 1,866mm and average runoff of 935mm/year, the catchment contributes some 12% of the inflow into Lake Nyasa.

In order to achieve the objective of the partnership, partners with respective government agencies and communities in the Kiwira Catchment will work together in six areas:

1. Data and information exchange and sharing
2. Water governance
3. Stakeholder engagement and participatory planning
4. Catchment conservation
5. Hydropower development
6. Partnership coordination

### The partnership is divided into two sub-partnerships:

<b>Upper-Mid Kiwira Sub Partnership</b>	Kiwira Energy plans to develop two small hydropower projects in the area. The generation potential of the plants is 1.6 and 6.9MW.  The inception phase will include five wards with estimated population of 34,000
<b>Luswisi Sub-partnership</b>	In Luswisi Sub-catchment, Ensol Tanzania is developing a small hydro-power project, rated at 4.7MW.  The inception phase will include four wards with estimate of 25,000 people



# Partnership for Sustainable Hydropower in the Kiwira Catchment

## Activities Summary

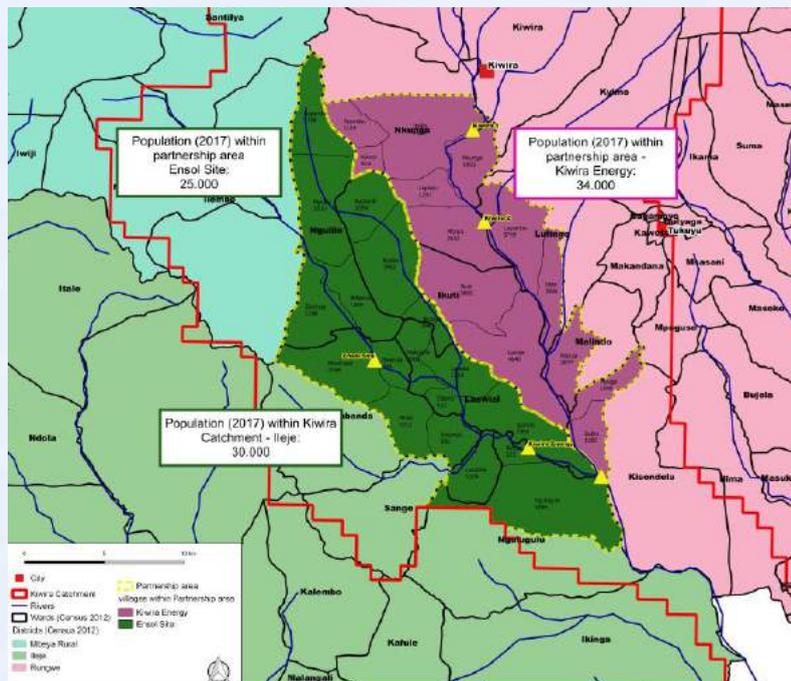
Activities on the partnership are grouped into **six working areas**.

The first working area aims to facilitate **data and information exchange and sharing** between Lake Nyasa Basin stakeholders. This includes technical support to establish a geo-spatial database to be used for planning purposes; the review of existing hydro-met systems and data repositories and methodological support to establish the catchment's hydrology.

Activities under the heading of **water resources planning and governance** aim at establishing existing lawful (and customary) abstractions and consolidating the permitting database. Lessons learnt from a similar exercise with the Pangani Basin Water Board will be taken on board.

Other highlighted activities aim to assist Lake Nyasa Basin Board to establish water allocation criteria as well as monitoring compliance. The partnership will also aim at supporting the establishment of Water Users Associations (WUAs) ensure **stakeholder engagement** in water resources planning and management.

Under the working area of **catchment conservation**, a survey of the catchment condition will be conducted, identifying hotspots for immediate action, such as measures to improve the sustainability of agricultural practices. A monitoring of the catchment condition will be set up, guiding implementation and tracking progress.



The fifth working area is aiming creating **enabling environment for hydropower development** which include different technical advice to hydropower developers, supporting stakeholder engagement process and support incorporating water stewardship principles and approaches in hydropower project conceptualisation, design, implementation and operation.

The sixth working area is cross-cutting the others to facilitate **partnership coordination** with Lake Nyasa Basin Water Board leading the partnership and IWasP supporting the steering and coordination of partners

## Expected outcomes and benefits

Expected outcomes	Expected Benefits
Foundations for equitable water resources management is laid.	Improved water resources monitoring and availability of data and information for better decision making
One Water User Association (WUA) is established	Improved communication, coordination between water users and other stakeholders. Enhanced participation in catchment planning.
Enabling environment for sustainable hydropower development is created	Environmental conservation, reduced soil loss in the catchment.



Kiwira river, August 2017

### For more information, please contact:

Fridtjof Behnsen  
 IWasP country coordinator in Tanzania  
[Fridtjof.Behnsen@giz.de](mailto:Fridtjof.Behnsen@giz.de)  
[www.iwasp.org](http://www.iwasp.org)  
[www.giz.de](http://www.giz.de)

Tumaini Mwaijega  
 Lake Nyasa Basin Community Development Officer  
 +255 754 083 390  
[Tumaini.mwaijega@maji.go.tz](mailto:Tumaini.mwaijega@maji.go.tz)  
[www.lakenyasabasin.com](http://www.lakenyasabasin.com)