

## Dodoma solar energy storage

However, taking into consideration the planned generation, as presented by Tanesco (Tanesco Website on "Project Pipeline"), Tanzania will, not only, be far away from the desired target, but also, register a power short fall from 2012 up to, at least, 2015.

Nevertheless, Tanzania has one of the best solar resources in the world and has currently generation units in its portfolio with running costs higher than the cost of solar energy, as previously mentioned.

Furthermore, in the recent years, the Solar Photovoltaic technology has evolved significantly, registering significant cost reductions. Also, the recent auctions promoted by South Africa, for large scale solar power plants, have attracted much interest and competition, allowing for the definition of a publicly available reference price (competitive and efficient) for solar Photovoltaic energy in the region.

Then, the competitive cost of solar and the possibility of substituting expensive diesel in the years to come, with reduced network losses, allow Tanzania to make sound decisions on solar energy with strong potential for value and job creation. Also, the results of South Africa auctions show that Photovoltaic is currently the most efficient solar technology with costs significantly below than those of Concentrated Solar Power.

For last, solar photovoltaic is fast to deploy and has zero CO<sub>2</sub> emissions. Also, a move on solar energy would increase Tanzania international credibility and facilitate the continuation of international support to the required investments in Tanzania's power sector in the years to come.

The "80 MW Dodoma solar project" was a 5 year implementation project comprising the implementation of 7 solar PV projects and the construction of a local PV panel assembly factory.

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