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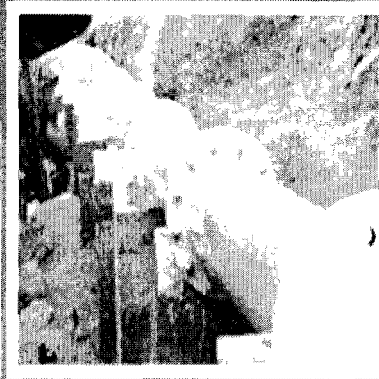
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# PROGRESS REPORT

CONSTRUCTION AND COMMISSIONING OF  
OFF-GRID VILLAGE MINI HYDRO'S AT MUTUBO,  
NYAMYOTSI II AND GATUBWE SITES RWANDA

UNIDO Contract No- 16001154



Submitted to

**United Nations Industrial Development Organization**

**ENCO (Private) Limited**

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Sri Lanka

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## EXECUTIVE SUMMARY

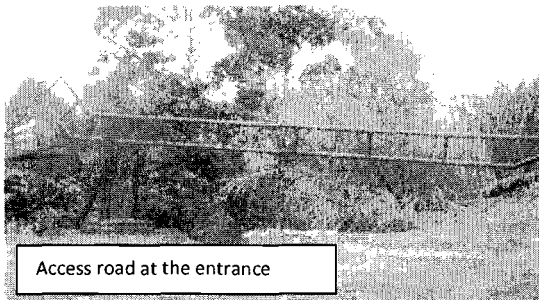
This report summarizes the completion records of the work specified by the contract no. 16001154 with UNIDO and ENCO (Pvt.) Limited. The scope covered additional work at three different sites;

Access roads to Nyamyotsi II, Additional construction to divert the tail race water of the Nyamyotsi II power house to the intake of the Nyamyotsi II headrace channel, Modification and replacement of parts of the turbine and Transmission & distribution line to the 2<sup>nd</sup> community to benefit from the power generation at Gatobwe mini hydropower plant site.

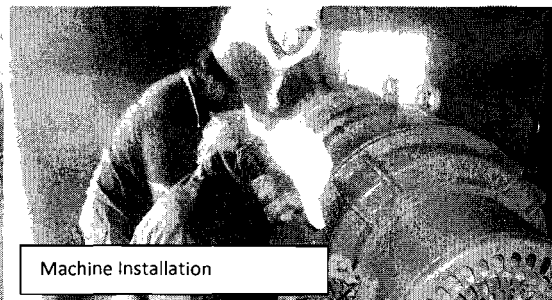
Specialists for installation of machinery at Nyamyotsi II came during this interim period and were also catered for Gatobwe technical upgrading.

## NYAMYOTSI II

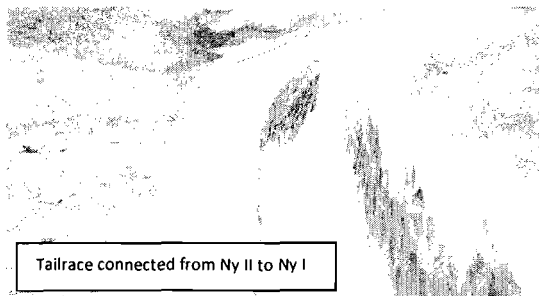
Description of work	Level of completion	Impacts
Access road	Completed the access to the power house & weir	Facilitated M&E installation, access for all supply channels during construction, Access for Operation & Maintenance tasks
Divert the tail race water	Completed the diversion up to the intake of Nyamyotsi I	Maintain the designs flow for an extended season



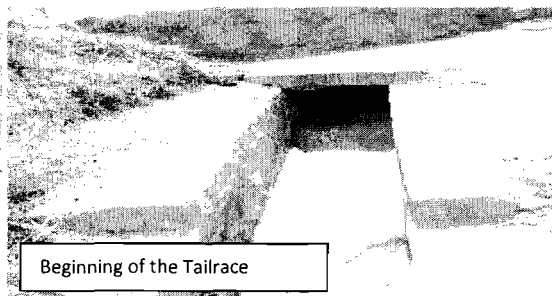
Access road at the entrance



Machine installation



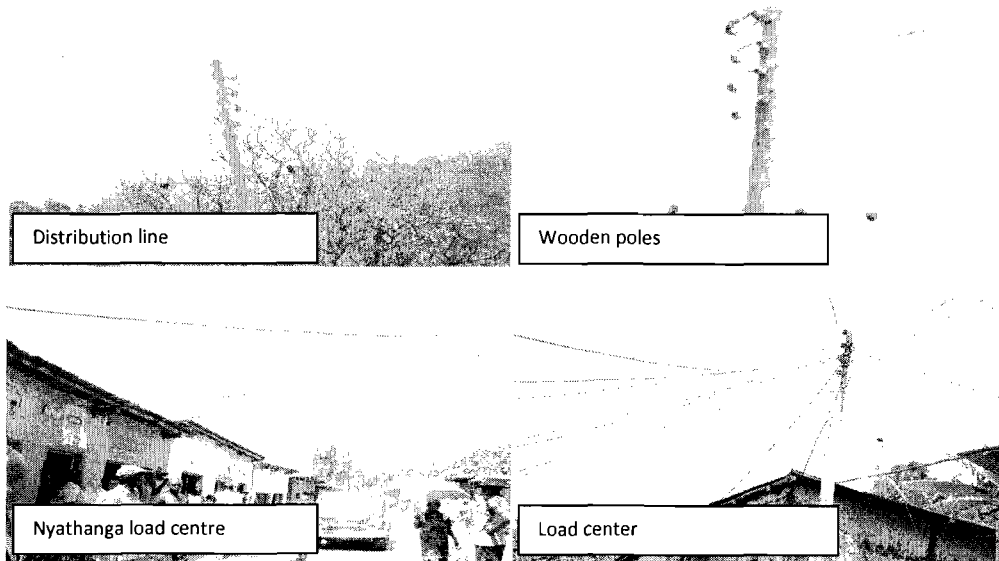
Tailrace connected from Ny II to Ny I



Beginning of the Tailrace

## GATOBWE

Description of work	Level of completion	Impacts
Service connections to the existing community	Connected 150 households	Provided to the community including primary school, minor health centre, saloon and minor
Replacement of runner of the turbine	Completed and commissioned	Improved the Operability
Services to the 2nd community	Completed	improved the possibility of connecting 250 households more



# NYAMYOTSI I

Description of work	Level of completion	Impacts
Installation of the special runner for the turbine	tested and commssioned	Improved wear resistance to facilitate long run
Tailrace water from Nyamyotsi II has diverted to the de-silting tank of Nyamyotsi I	Completed and operating	Minimize the sediment transportation to Nyamyotsi I forebay tank

