

MEMORANDUM OF UNDERSTANDING

between

KATHMANDU UNIVERSITY (KU), NEPAL

and

NEPAL ELECTRICITY AUTHORITY (NEA)

In furtherance of their mutual interest in the field of education and research and as a contribution to increased co-operation, **Kathmandu University** and **Nepal Electricity Authority** hereby adopt the following Memorandum of Understanding (MoU):

ARTICLE I

The agreement involves collaboration between KATHMANDU UNIVERSITY (KU) and NEPAL ELECTRICITY AUTHORITY (NEA) for the **Utilization of Panauti Hydropower Station as a Joint Venture (JV)** between the two organizations.

The two organizations agree on following features of the JV:

1. KU shall utilize the infrastructures and land present in the site of Panauti Power Station for academic purpose
2. KU intend to build new infrastructure and refurbish the old ones in the site, which shall be jointly used by NEA and KU
3. NEA shall receive all the revenue of the energy production from the station. The modification/up-gradation works shall not be intended to decrease the present energy generation from the power plant
4. KU shall receive all the revenue from the academic programs conducted in the site

ARTICLE II

KU shall be responsible for the expansion of the academic programs, dedicated to hydropower engineering.

1. KU shall run following (but not limited to) different academic programs in the site,

(i) PhD in hydropower, depending upon the available fund

- (ii) Master's program in hydropower, with 10 Normal Masters intake every year and Masters by Research depending upon the available fund
 - (iii) Bachelors program in Civil Engineering, with 60 intakes dedicated for hydropower every year
 - (iv) Bachelors program in Mechanical Engineering, with 30 intakes dedicated for hydropower every year
2. The academic programs shall have provisions of 10 % scholarship for NEA staffs including their children

ARTICLE III

KU intend to utilize one, out of the three units in the plant for research purpose when the unit is non-operational. The research shall focus on performance measurement, change of the design of the mechanical/electro-mechanical components for improving the efficiency and erosion problems.

ARTICLE IV

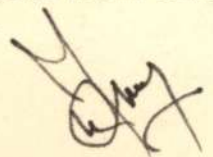
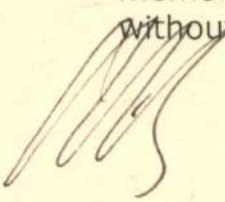
Both organizations agree to work for upgrading the capacity of the power plant including turbines, generators, water canal, etc. Other than the research works mentioned in ARTICLE III, other R&D's shall include investigating the maintenance issues, utilizing the near rivers for pump storage to eradicate the problem of the lack of flow during dry season, investigating on the prospects of hybrid energy system (Wind + Hydro + Solar) in the plant etc. KU shall be responsible for any cost involved in research and up-gradation.

ARTICLE V

Both organizations shall conduct workshops, conference, training programs and other interaction programs to share the knowledge between the members of NEA and KU at regular interval. If any income is earned from such programs, NEA shall be entitled 10 % of the total profit.

ARTICLE VI

Ownership of any research findings shall be vested in both parties to this memorandum; however, KU can publish R&D results from this power plant without NEA's approval.



ARTICLE VII

A committee shall be formed for the execution of activities mentioned in this agreement. The committee shall include one member from NEA Head office, Plant Manager from Panauti Power Station, two members from KU (one Project Manager dedicated to this site and one KU official) and one independent local member from project affected area.

ARTICLE VIII

The Memorandum shall remain in force for a period of 10 years commencing from the date of signing. Upon renewal, both parties shall select either to proceed with the existing or new terms of understanding.

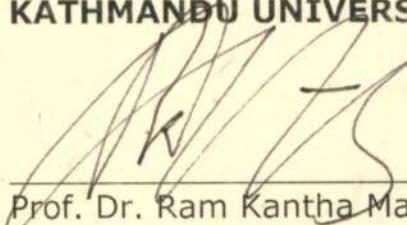
ARTICLE IX

Both KU and NEA reserve the right to terminate this Memorandum by either party giving 3 months written notice to the other. Where such termination occurs, the provisions of this Memorandum shall continue to apply to ongoing activities until their completion.

KU and NEA welcome the establishment of this Memorandum for cooperation and jointly agree to the provisions as set out above. There will be four copies of this Memorandum equally valid, two for each party, effective from the date of its signing.

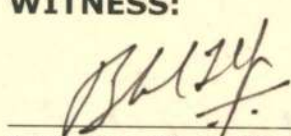
For,

KATHMANDU UNIVERSITY


Prof. Dr. Ram Kantha Makaju Shrestha
Vice Chancellor
Kathmandu University

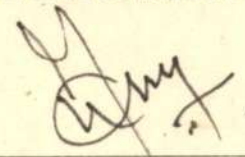
Date: 24-05-2018

WITNESS:


Prof. Dr. Bhola Thapa
Registrar
Kathmandu University

For,

NEPAL ELECTRICITY AUTHORITY


Mr. Kul Man Ghising
Managing Director
Nepal Electricity Authority

Date: 24 May 2018