



# Tanahu Hydropower Limited

(A subsidiary company of Nepal Electricity Authority)

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## PRESENT STATUS

### Bidding Process:

- Technical Bids Evaluation Report (TBER) of Package 1- Headworks prepared by the Bid Evaluation committee of the THL/PSC has been sent to the ADB for their review and comments. As advised by ADB, THL issued the Request for Clarification (RFC) No.2 to the Bidder No.1 and the subsequent response from the Bidder has been sent to ADB. All bidders have been requested to extend the validity of the bid and bid security by further 3 months. All bidders have accepted to extend the bid validity period as well as bid security accordingly.
- THL Board approved the TBER of Package-2 on 24 November 2017, for which the JICA granted concurrence on 23 November 2017. The letter has been issued to successful Bidders inviting for their presence on the price bid opening scheduled on 4 December 2017.
- THL has forwarded the draft bidding documents along with cost estimates of Package 3- Transmission Line to ADB on 2 November 2017 for their concurrence.

### Safeguard activities:

#### Community Meeting & ADB Safeguard Mission

In the presence of representative from ADB Nepal Resident Mission, the project has signed 21 points agreement with Direct Concerned Reservoir Area Conservation Committee, Tanahu and Tanahu Hydropower Direct Affected Area Concerned Committee on 28 October 2017 regarding different issues of the land acquisition within the reservoir area. Accordingly, the lump sum amount NRs 63,068 per ropani for non-irrigated cultivated land and NRs 92,590 per ropani for irrigated cultivated land will be provided as crop disturbance allowance in addition to the compensation as determined by the CDC for the land acquisition within the reservoir area.

ADB Social Safeguards Mission (13-17 November) visited the project sites and conducted the interactions with the project affected families as well as the project officials. The Aide Memoire of the Mission has been submitted to THL for the necessary future action regarding social safeguard and environmental monitoring issues.

#### Meeting of Local Consultative Forum (LCF)

As per provisions of Resettlement and Indigenous People Plan (RIPP)-2012, Local Consultative Forums (LCFs) have been formed at project affected Rural Municipalities and Municipalities. The offices of LCFs have been opened in all local levels (except Byas) with required staffs and logistics. The LCF of Byas will be operated from the project



Meeting of ADB Mission team and THL team



ADB mission team and THL safeguard team during site visit

site office at Damauli. The meetings of all LCFs are being conducted as per the approved working procedures. The LCFs collected the application forms from the interested project affected people for skill development trainings to be conducted in November 2017.

### Operation of Public Information Center and LCF Office

The Public Information Center (PIC) has been established at Rising Rural Municipality, Bhimad Municipality and Myagde Rural Municipality. The PIC is also facilitating the skill development training to be conducted by Rural Training Center (RTC-a training wing of CTEVT).



ADB mission team, Interaction with local people/affected person at PIC office Rising Patan

**Table 1: Name of PIC Staffs**

Name	PIC Office	Contact No
Mr. Murali Gaire	Bhimad	9840186534
Ms. Bhagawati Pariyar	Bhimad	9804142876
Mr. Rajan Aale	Myagde	9846657658
Mr. Amrit Thapa Magar	Myagde	9866000642
Mr. Buddha Thapa	Rising, Jhaputar	9824193340
Mr. Anup Thapa	Rising	9824127149

### Bridging Consultant

The Bridging Consultants comprising of Environmental, Fisheries and Social Safeguard Specialists have been engaged in the site to undertake all required preparatory measures as mentioned in Environment Management Plan (EMP) and to monitor pre-construction works as required until the Environment and Social Management Service Provider (ESMSP) is mobilized. During the reporting period baseline monitoring, compliance monitoring has been progressed on water quality sampling, forest and wildlife survey, downstream sensitivities survey. The Fishery Specialist has established nine fish sampling stations and has been collecting the samples on monthly basis. So far, forty four fish species have been identified, of which seven species are classified as endangered/vulnerable ones.



Interaction with local people at Wangtan Khola with THL technical and safeguard team

### Environment and Social Management Service Provider (ESMSP)

A notice for Expression of Interest (EOI) was published in national the newspaper "The Rising Nepal" as well as on website of ADB (<http://cms.adb.org>) for the recruitment of ESMSP. The deadline for the submission of the Eoi is fixed as 07 December 2017.

### Census Survey

The field surveys with questionnaires are being continued at the project affected areas. The survey will identify the available work forces for the major construction works within the affected area, training need for severely affected family, ethnic/indigenous group, landless people, vulnerable group and economic status of affected households. So far, 285 questionnaire forms have been filled. The data tabulations of



Interaction with local people of downstream water users of seti river and during forest and wildlife survey

surveyed questionnaires have been initiated. It is expected that the field surveys could be completed by December 2017.

### Skill Development Training

The first phase of the skill development training has been inaugurated on 15 November 2017 by the Rural Training Center (RTC-a training wing of CTEVT. A total sixty trainee from the project affected areas are participating in the training in the different fields as shown in the Table 1 below:

Table 1.Skill Development Program

Types of Training	Number of Participations	Training Time
Building Electrician	20/20	Morning/Day
Junior Plumbing	20	Morning

### Grievance Registration and Readdress

The project site office and newly established LCFs have been registering the grievance raised by affected as well as local people. The registered grievances so far focus mainly on the following issues:

Table 2.Summary of Grievance Registration

S.N.	Type of Grievance	Number
1.	Missing of tree counting	15
2.	Missing of item in property valuation	4
3.	Land remaining less than 1 ropani	6
4.	Low valuation of structure	4
5.	Compensation of trees planting in public land near their registered land	6
<b>Total</b>		<b>35</b>

The LCFs in coordination with the project site office will make the best efforts to address these grievances at the earliest.

### Project Preparatory Works:

#### Access Roads

##### Access Road from Chapaghat to Dam Site Area(3234m)

The construction of access road from Chapagaht to the entry of the Dam Site has been completed with Double Bitminous Surface Treatment (DBST) along with required hume pipe culverts, retaining structures, side drains. The entire clearing of drains upro chainage 0+2000 have been completed. Track opening in the remaining section of the road towards the dam site could not be initiated due to land acquisition and forest Clearance issues.



### **Access Road from RCC Bridge to Powerhouse (3314m)**

The construction of the access road from the RCC Bridge to the powerhouse has been completed with Double Bituminous Surface Treatment (DBST) along with cross drainage and retaining structures. Clearing of drains, road markings and other minor civil works will be completed by the end of December 2017.

### **Camp Facilities**

All together 33 nos. of buildings (2 nos. of office buildings for employer and consultants, 2 nos. of residential building of type A, 12 nos. of residential building of type B, 10 nos. of residential building of type C, 2 Dormitories, 1 Guest house, 1 health post, 2 restaurants and 1 guard house) are to be constructed for camp facilities. Foundation works of 28 buildings have been completed. Brick works and plastering are being continued in majority of buildings.

As of November 2017, about 65% physical works and 55% of financial progress have been achieved in construction of camp facilities.



Construction Camp Facilities

### **Construction Power Sub-Station**

Construction power substation is under construction near the camp site. 6/8 MVA Power transformer and its accessories have been installed. 33 kV and 11 kV panel boards were installed in the control room. Conductor stringing work of 11 kV as well as erection of gantry tower, cables lying of 33kV have been complete. Preparatory works are being carried out to charge the substation.

### **Power Purchase Agreement**

THL also signed the Grid Connection Agreement of the project with NEA. A local consultant engaged by the JICA has submitted the draft financial evaluation of the project. The model PPA as received from NEA has been sent to the ADB and JICA for their review and comments. THL is also reviewing the draft PPA prepared by NEA.

### **Rock Mechanical Test and Core Drilling**

Soil, Rock and Concrete Laboratory (SRCL) completed all preparatory works as well core drillings required for rock mechanical tests. PSC has completed the scheduled slotter tests in all boreholes. The entire reports of the Rock Mechanical Tests inside the powerhouse cavern will be submitted by the PSC by the end of January 2018.



Slotter test inside Power house

### **Supplementary EIA for Upgrading Generation Capacity from 127MW to 140MW**

SEIA report of Tanahu Hydropower Project has been approved by the Ministry of Population and Environment (MoPE) on 6 November 2017. Accordingly, THL has submitted the application to DoED for the upgrading of generation license to 140MW.

## **SIEE for Proposed New Route Alignment of Damauli-New Bharatpur Transmission Line**

SIEE report of Damauli-Bharatpur 220kV Transmission Line has been approved by the Ministry of Energy on 13 October 2017. THL has submitted an application to the DoED for construction license of the TL.

## **Forest Clearance Plan**

As the Forest Clearance work was approved by the Council of Ministry, an agreement for forest clearance plan has been signed between THL and the Department of Forest.

## **Licenses**

- After approval of SEIA, Generation License of the project will be upgraded to 140 MW from 127 MW.
- The process for the construction license of 220 kV Damauli-Bharatpur transmission line has been initiated.
- THL has prepared a brief project report for 1.9 MW environmental flows generation plant and application will be submitted to DoED for the survey license of generation shortly.
- THL has received the survey license of generation of Lower Seti (Tanahu) Hydropower Project with the installed capacity to 104 MW as the future plan of development. THL and JICA data collection team jointly visited the project site for exploring the different alternatives of project development.

## **FUTURE COURSE OF ACTION:**

### **TECHNICAL ACTION**

**Upgrading of Generation License:** The generation license of project will be upgraded from 127 MW to 140 MW by 31 December 2017.

**Expression of Interest ESMSP:** THL will initiate the evaluation of the received EoIs from the potential consulting firms for ESMSP from the month of December 2017.

**Award of Contracts for Main Packages:** It is expected that the concurrence of the TBER of the package 1 will be received from the ADB by the end of December 2017. The price bids of the package will be opened on 04 December 2017.

**Power Purchase Agreement:** It is expected to conclude the PPA with NEA by the end of January 2018.

### **SAFEGUARD ACTION**

**Update of RIPP:** The present draft RIPP was prepared in the year 2012 and difference things have been changed since then. Hence, THL has been working on updating of RIPP with the support of PSC.

**Compensation Distribution:** About 80% payments of total affected families have already received the compensation for land within the reservoir area. So far, about NRs. 550 Million has been distributed to the affected HHs. The compensation distribution activities will be continued as well as further land acquisition /lease for Access road and site establishment at Betini area will be initiated in December 2017.

**Community Consultation:** Community consultation is planned for once in a month at each LCF.

**Census Survey:** The household survey of all affected household within reservoir area will be completed by December 2017

**Preparation of Booklet and Leaflet:** A leaflet of THL has been finalized and will be distributed to all stakeholders after printing. The texts of the leaflet mainly focus on introduction and salient features of the project, FAQ part, progress status till date on pre-construction as well as safeguard works.

**Local Media Mobilization for Information Dissemination:** As scheduled, local media, both print and electronic, especially FM radio are being mobilized to disseminate project related information

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