

## **Brief Description about Nupche Likhu Hydropower Project developed by Vision Energy & Power Pvt. Ltd.**

Vision Energy & Power Pvt. Ltd. (VEPL) is registered at Office of Company Registrar on Shrawan 2, 2073 (July 17, 2016) with registration no 151997/073/074.

### **Vision and Mission**

The vision of the company is to become well established energy producing company of Nepal whereas mission of the company is to utilize the available resources for development of energy in the country and to ensure attractive and sustainable long term return to our shareholders through prudent and sound investment.

### **Board of Directors**

1. Chairman: T. N. Acharya (FCA, B.Com) Dhankuta, now in Kathmandu. More than 15 years of experience in audit, public sector and hydropower sector. Ex Board Member of CIT, NEA, NAC and Current Board Member of NTA.
2. Member: Ramesh Adhikari (B. Com) Jhapa, now in Kathmandu. More than 20 years of experience in various government, private and hydropower sector
3. Member: Desh Bandu Karki (B.B.S & Bachelors' in Community Welfare Development) Jhapa, now in Ithari. More than 5 years of experience in various sector. Currently a businessman.
4. Member: Amar Nath Shrestha (B. A), Jhapa, now in Kathmandu. More than 15 years of experience in various sectors. Currently board member of Chhyangdi Hydropower.
5. Member: Saroj Koirala (FCA, B.Com), Jhapa, now in Kathmandu. 10 years of experience in audit & consultancy of various public sectors.
6. Member: Bhimsen Kumar Gautam (MBS, RA), Kavre, now in Kathmandu. 20 years of experience in audit and public sector.
7. Member: Snigdha Bhatta (B.A. / B.Sc. L.L.B. (Hons.) Course), Kathmandu. Involvement in Legal consultancies.

### **Advisory Board**

5 members Advisory Board in the Chairmanship of Mr. Rohit Prasad Prasai (Member, Federation of Nepalese Chambers of Commerce and Industry, FNCCI), Ithari, Sunsari has been formed.

### **Brief Salient features of the Project**

- Name of the Project : Nupche Likhu Hydropower Project
- River : Nupche Khola & Likhu Khola Umakunda Rural Municipality, Ramechhap
- Catchment Area : 150 Km<sup>2</sup>
- Design Discharge (Q45 %) : 7.11 m<sup>3</sup>/s
- Gross Head : 994 m
- Net Head : 974.12 m
- Installed Capacity : 57.5 MW
- Length of Tunnel : 6825m
- Power House Type : Surface
- Total Energy : 381.74 GWh p.a.
- Total Cost per(MW) : NPR 16 Crore 49 Lakhs (Subject to increase/decrease after DPR)
- Energy Per MW : 6.63 GWh
- Transmission Line : Garjyang (Est. 30 KM)
- Access Road : 1 KM to Power House and remaining project road (Est. Project road 30 KM)
- Required Commercial Operation Date : 2080/05/02(2023/08/19)

### **Summary of Progress of the Project**

1. Survey License: License obtained of 57.5 MW on 2074/06/29 (15/10/2017).
2. Approval from Ministry of Forest: Approval for survey work obtained for capacity of 57.5 MW.
3. Environment Impact Assessment (EIA) Study: EIA consultant has completed initial field visit. Draft report and TOR has been submitted at Department of Electricity Development (DOED) and further works are going on as per agreement.
4. Quality Measurement of Water: Report of water measurement has been obtained.
5. Gauge Station Installation: Automatic Hydrological and rainfall Gauge station has been installed at Project Site. Collection of data from the station is going on.
6. Electronic Resistivity Tomography (ERT): ERT Consultant has completed ERT works and has submitted final report.
7. Feasibility Study: Final Feasibility Study Report submitted. Review of the report by the company going on.
8. Grid Connection Agreement: Grid Connection Agreement has been entered with NEA to evacuate the power at Garjyang Sub-station. (Estimated distance 30 KM).
9. Power Purchase Agreement (PPA): PPA has been done with Nepal Electricity Authority (NEA) on 2074/11/28 (12/03/2018).
10. Transmission Line Survey: Transmission Line Survey license obtained from DOED. Agreement with technical advisor has been completed. Work is being done as per agreement.
11. Road Survey: Agreement with Technical Advisor has been done. Work is being done accordingly.
12. Detail Design: Agreement with Technical Advisor has been done. Work is being done accordingly.

### **Main Features of Project**

1. Internal Rate of Return (IRR): 19.47% , Equity Internal Rate of Return (EIRR): 35.19%
2. Simple Payback Period: 4.28 Years; Discounted Payback Period: 6.61 years.
3. The Project has high head. It ensures cost efficiency and high energy.
4. High Energy per MW (6.63 GWh p.a.), Dry Energy 36.61% and Wet Energy 63.29%
5. Income Per MW: More than NPR 4 Crore
6. Professional, Transparent and Responsible Management.
7. Aims to benefit Small Investors too.
8. Focused on high Return on Investment and high value in secondary market.
9. **Dividend Payout Capacity:**
  - a. No Change in Project Cost, Revenue& Interest Rate: Year 2081-40%, Year 2082-45%, Year 2083-50%, Year 2084-55%, Year 2085-60% and then till year 2110 average 65%
  - b. Project Cost increase by 10%, Revenue Decrease by 10% & Interest Rate at 12%: Year 2081-19%, Year 2082-20%, Year 2083-25%, Year 2084-30%, Year 2085-30% and then till year 2110 35% to 48%
  - c. Project Cost increase by 15%, Revenue Decrease by 10% & Interest Rate at 13%: Year 2081-10%, Year 2082-15%, Year 2083-20%, Year 2084-20%, Year 2085-25% and then till year 2110 25% to 45%*(Note: Subject to AGM's Approval)*

### **Minimum and Maximum Investment**

For Individual-Minimum 10 Lakh and Maximum 2 Crore and  
For Institution: Minimum 20 Lakh and Maximum 10 Crore

### **Investment Schedule**

<b>S.N.</b>	<b>Particulars</b>	<b>Percentage</b>
1	At the time of Application	20%
2	Jestha End 2075	15%
3	Ashoj End 2075	20%
4	Magh End 2075	20%
5	Jestha End 2076	15%
6	Ashoj End 2076	10%

### **Investment Process:**

1. Study the Project description as provided by the Company.
2. Confirm gross investment amount as per own capacity and plan the schedule within Ashoj end 2076
3. Fill share application form completely.
4. Deposit at least 20% of commitment amount in the bank account of “**Vision Energy and Power Pvt. Ltd.**” as mentioned below or Issue **Account Payee Cheque** in the name of Company.  
Account Details:
  - i) NMB Bank Limited (Account No. 00101300613896000001) or
  - ii) Machhapuchre Bank Limited (Account No. 5401524469597017)
5. Handover the deposit receipt or cheque to the authorized person only.
6. Obtain Receipt from the company

- (Note: a. Company will not be responsible for any cash transaction or issue of Bearer Cheque.  
b. Visit website for application form, progress report, and other information.  
c. This is not an invitation for Share Investment. It is just an information about company & Project)**



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