

Nasa Hydropower Limited

Ratings

Facilities	Amount (Rs. Million)	Rating ¹	Rating Action
Long Term Bank Facilities	19,382.50	CARE-NP BB [Double B]	Reaffirmed
Total Short Term Facilities	117.50	CARE-NP A4 [A Four]	Reaffirmed
Total Facilities	19,500.00 [Nineteen Billion and Five Hundred Million Only]		

Details of instruments/facilities in Annexure-1

CARE Ratings Nepal Limited (CRNL) has reaffirmed the rating of 'CARE-NP BB' assigned to the long-term bank facilities and 'CARE-NP A4' assigned to the short-term bank facilities of Nasa Hydropower Limited (NHL).

Detailed Rationale & Key Rating Drivers

The reaffirmation of the ratings assigned to NHL factor in the project implementation risk and operation stabilization risk associated with its under-construction hydropower project. The rating is also constrained by power evacuation risk and partial offtake risk, exposure to regulatory risk and volatile interest rates.

The rating, however, derives strength from strong promoters and experienced management team and presence of power purchase agreement (PPA) with sufficient period coverage. The ratings also factor in reduced hydrology risk owing to peaking reservoir, moderate counter party risk and government support for the power sector.

Going forward, the ability of the company to successfully execute the project within envisaged cost and time and early stabilization thereafter will be the key rating sensitivities.

Detailed description of the key rating drivers

Key Rating Weaknesses

Project implementation and stabilization risk

NHL is setting up a 160 MW peaking run-of-river Lapche Khola Hydropower Project (LKHP) in Dolakha district of Nepal. The total cost of the project is envisaged at Rs. 26,205 Mn (Rs. 164 Mn per MW) to be funded in debt to equity ratio of 74:26. The total debt amounting to Rs. 19,382.50 Mn has been tied up. The project is at initial stages of implementation and financial progress till April 30, 2022 was only 6.27% of the total project cost. Execution of the project was impacted in FY20 and FY21 due to recurring lockdowns being imposed because of Covid-19, which had disrupted the availability of work force and required materials at the site. This exposes the company towards project execution risk in terms of completion of the project within the envisaged time and cost.

Required Commercial Operation Date (RCOD) of the project is July 2023 while the company expects to complete the work by July 30, 2024 for which the company is in process of taking extension in timelines of RCOD. If the project is not completed within the mentioned RCOD, then the company is required to pay delay penalty. Furthermore, if COD is delayed by 6 months to 18 months from RCOD, there are restriction clauses in escalation of tariff rate. Its is crucial of the company to complete the project within the timelines to have the accelerated clauses of tariff. Any delay in the same would lead to impact on project returns and debt servicing capabilities which is critical from analytical perspective.

¹Complete definition of the ratings assigned are available at www.careratingsnepal.com and other CARE publications

Power Evacuation Risk

The Power generated from the project is proposed to be evacuated through 132KV double circuit Transmission Line to NEA Bahrabise Substation at Sindhupalchok district which is under construction and it connects further to the national grid. NHL is responsible for construction of transmission line up to Bahrabise Substation. Bidding process is yet to be initiated for construction of Transmission line. Timely completion of the transmission lines will be crucial for the company for revenue generation prospective.

Exposure to volatile interest rate risk

Nepalese banking sector has a floating interest rate regime, where a certain premium is added to the quarterly base rate and interest rate is changed accordingly on quarterly basis. The base rates of the banks and financial institutions (BFIs) in Nepal remain quite volatile as they are impacted by available liquidity in the system which leads to change in interest rates. The volatility in interest rate is more evident currently on account of the ongoing liquidity stress in the economy. Furthermore, increased bank rates announced in the Monetary Policy for FY23 is likely to add to the upward pressure on interest rates going forward. Any significant rate hikes could put increased interest burden on the company, squeezing its profitability and impacting its liquidity position. Therefore, funding taken by the company from BFIs is subject to volatile interest rate.

Exposure to regulatory risk

Government of Nepal (GoN) has recently established Electricity Regulatory Commission (ERC) for regulating hydropower companies in Nepal. ERC will regulate generation, transmission and distribution of electricity in Nepal among others. Policies and directives issued by ERC such as approval process for IPO issuance and PPA approval through ERC poses a new challenge to hydropower companies. Hence, sector is prone to regulatory risk and changes in other policies by GoN.

Key Rating Strength**Strong promoters and experienced management team**

NHL is part of MV Dugar Group which has business across different sectors along with Banks, Insurance, Automobiles, and Construction etc. MV Dugar group has four hydro projects including three under construction projects and one operational hydropower project. Mr. Motilal Dugar, Chairman of NHL and Executive Chairman of the group, is established businessman of Nepal and has more than 47 years of experience and is also Chairman of Sunrise Bank Ltd [CARE-NP A-]. Mr. Vivek Dugar, Director, has more than 22 years of experience and is also Chairman and promoter shareholder of Gurans Life Insurance Co. Ltd. He is engaged in business of trading of Automobiles, Construction business etc. Company's management team is led by Mr. Vipin Arora, CEO of the company and has more than 42 years of experience in various organizations related to hydropower and energy sector. He is supported by other experienced management team.

Power purchase agreement with sufficient period coverage though off take risk pertains for partial capacity

The total installed capacity of the plant is 160 MW. NHL has entered into a long term PPA with NEA as on November 15, 2017 for sale of 99.4 MW power to be generated from the project on take or pay basis and additional capacity of 60.6 MW on take and pay basis. PPA has been entered for the period of 30 years from the COD or till validity of generation license whichever is earlier. PPA for the project is entered for peaking run of the river with high tariff rate for peak dry season with 6 months of dry season. Tariff rate as per PPA is Rs 4.80 per Kwh for wet season (June - November) and the tariff rate for peak dry season (December- May) is Rs 10.55 per Kwh while the non-peak rate for the dry season (December-May) 8.4 per Kwh with 3% annual escalation on base tariff for 8 years. Further, additional energy is expected to be sold at non-peak rate.

Reduced hydrology risk owing to peaking reservoir

Peaking Run of the River (PRoR) projects have an additional reservoir to generate electricity continuously during peak hour, thus minimizing dependency on hydrology alone for power generation, common in Run of the River projects. Lower hydrology risk in NHL's peaking run of the river project bodes well for its power generation prospects, particularly during the dry season. Furthermore, PPA entered by NHL with NEA has June-November (6 months) defined as wet season and December- May (6 months) defined as dry season. The tariff rate for peak dry season (5PM to 10PM) is high at Rs. 10.55 per Kwh compared to non-peak dry tariff (Rs. 8.40 per Kwh) and wet season tariff (Rs. 4.80 per Kwh). Hence, the presence of the reservoir argues well for the company in terms of higher power generation during the dry season.

Favorable Government policies towards power sector

Government of Nepal (GoN) considers hydropower generation as priority sector and intends to maximize private sector participation in generation of hydroelectricity by offering different exemptions and facilities. GoN has announced full tax exemption for first 10 years and 50% tax exemption for next 5 years for such person/entity who starts commercial operation, transmission and distribution of electricity up to mid-April 2024. As per various directives from NRB whereby all the banks (type A, B C, D) have to allocate minimum share of their total advances to energy sector which argues well for the sector.

About the company

Nasa Hydropower Ltd (NPL) is a public limited company, incorporated on October, 11 2007. It is promoted by individual promoters majorly related to MV Dugar group for setting up of a 160 MW peaking run-of-river, Lapche Khola Hydropower Project (LKHP) in Bigu Rural Municipality, Dolakha district of Nepal. The power project is proposed to utilize available head and flow from Lapche Khola (river). As per the Generation License, from Government of Nepal – Ministry of Energy, obtained as on December 28, 2017 the project shall be handed, on whatever conditions the project is, to the Government of Nepal after expiry of Generation License, which is 35 years.

Annexure-1: Details of Instruments/Facilities

Name of the Instrument	Type of the Facility	Amount (Rs. Million)	Rating
Long Term Bank Facilities	Term Loan	19,382.50	CARE-NP BB
Short Term Bank Facilities	Working Capital Loan	117.50	CARE-NP A4
Total Facilities		19,500.00	

Contact us

Analyst Contact

Ms. Monika Rawal

Contact No.: +977 9802318807

Email: monika.rawal@careratingsnepal.com

Mr. Santosh Pudasaini

Contact No.: +977-01-4012629

Email: santosh.pudasaini@careratingsnepal.com

Relationship Contact

Mr. Achin Nirwani

Contact No.: +977 9818832909

Email: achin.nirwani@careratingsnepal.com

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