

**Form C (Domestic Consultant)
CURRICULUM VITAE (CV)**

Proposed Position Title	Tunnel Engineer
Name of Firm	NEA Engineering Company
Name of Expert:	Prakash Man Shrestha
Date of Birth:	11/11/1957
Citizenship	Nepali

Education:

1985-1987	M. Sc. In Engineering Geology	Asian Institute of Technology, Bangkok, Thailand
1977-1981	M.Sc. In geology	Tribhuvan University

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
2017-present	NEA Engineering Company Ltd. Project Team Leader and Senior Chief Expert Tunnel	Nepal	Consultant for detailed engineering study of Jagdulla Storage Hydroelectric Project of capacity 307MW. The project is located in Dolpa district, Province No.6. Major civil structures are underground which includes headrace tunnel (around 6km), underground surge tank, vertical and horizontal pressure shaft, underground powerhouse cavern, underground transformer cavern including GIS system and tailrace tunnel.
	For reference: Hitendra Dev Shakya, Managing Director, NEA Engineering Co. Ltd. md@neaec.com.np , 01-5111024/25		Consultant is also responsible for all underground structures including underground structure design, rock support design, finite element and boundary element analysis of all underground structures, determining the design parameters for all civil structures and all work activities related to the geotechnical aspects.
2016 to 2017	People's Hydropower Company Pvt. Ltd. Geotechnical Expert	Nepal	Review of all geotechnical works including design review and construction guidance in all underground works

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	<p>For reference: Mr. Babu Krishna Bhandari, Project Manager Phone: 9841257980</p>		
	<p>Upper Tamakoshi Hydropower Company Limited, Geotechnical Consultant</p> <p>For reference: Mr. Bigyan Prasad Shrestha, CEO Phone: 9851058864</p>	Nepal	Review all geotechnical works, supervision and instruction on all underground structures, review on design of crane beam in the underground powerhouse
2013-2014	<p>Nepal Electricity Authority. Director</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	Managing and Performing all geotechnical work activities including core drilling, geological mapping, subsurface geophysical exploration Soil, Rock & Concrete Laboratory, Engineering Services, Nepal Electricity Authority.
2010-2013	Madhya Bhotekoshi Jalavidyut Company Limited Managing Director	Nepal	Managing all activities including technical and administration of the Company

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	<p>For reference: Mr. Mahodhar Bhakta Shrestha, CEO, Chilime Hydropower Company Limited Phone: 9851085769</p>		
2010-2010	<p>Tara Energy Limited Geotechnical Consultant</p> <p>For reference: Mr. Bikram Sthapit, CEO, Upper Bhotekoshi Hydropower Company Limited Phone: 9851045189</p>	Nepal	Geotechnical design of all underground structures including tunnel supports for Upper Bhotekoshi HEP.
2007-2010	<p>Nepal Electricity Authority Project Manager</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	Coordination on all activities of the Project and Geological and geotechnical investigation of the project area with tunnel design and support design
1998-2006	<p>Chilime Hydropower Company Limited Civil Division Chief</p> <p>For reference: Mr. Mahodhar Bhakta Shrestha, CEO</p>	Nepal	Supervision and geological and geotechnical investigation of the project component and design of all underground structures including support design in Chilime Hydroelectric Project (22.1 MW).

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	Phone: 9851085769		
1997-1997	<p>Nepal Electricity Authority Geotechnical Engineer/ Geophysicist</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	<p>Geological, geo-technical investigation, geophysical investigation including refraction seismic and electrical resistivity survey works and tunneling in Middle Marsyangdi Hydroelectric Project (62 MW). Geological mapping along the headrace tunnel and powerhouse sites. Geo-technical work includes drilling, logging, standard penetration test (SPT), Dutch cone penetration test (DCPT) and permeability tests. Seismic refraction survey of 500 m length, GDH- geo-electric profiling and 100 m long exploratory tunnel in alternate powerhouse site at Bhote Odar.</p>
1994-1994	<p>Nepal Electricity Authority In-charge</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	<p>Geo-technical investigation including geophysical seismic refraction survey of 3.2 km total seismic line length and data processing, interpretation, evaluation and report writing of Chilime Hydroelectric Project (22.1 MW).</p>
1993-1993	<p>Nepal Electricity Authority Geophysicist/ Geotechnical Engineer</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np</p>	Nepal	<p>Geophysical seismic refraction survey of around 2.6 km total seismic line length, interpretation, evaluation and report writing of Bhote Koshi Hydroelectric Project (36 MW).</p>

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
	/informationnea@gmail.com		
1992-1992	<p>Nepal Electricity Authority Geophysicist</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	Geophysical seismic refraction survey of around 6 km total seismic line length, interpretation, evaluation and report writing of Kali Gandaki "A" Hydroelectric Project (90 MW).
1991-1991	<p>Nepal Electricity Authority Geotechnical Engineer/ Geophysicist</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	Geo-technical exploration and geophysical refraction survey of around 2 km total seismic line length as well as data processing, interpretation, evaluation and report writing of Upper Chameliya Hydroelectric Project (24.6 MW).
1991-1991	<p>Nepal Electricity Authority Field-in-charge</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	Case study on landslide problem in Slope No. 2 at Sun Koshi Hydroelectric Project including seismic refraction survey. Seismic refraction of around 2 km and resistivity survey as well as interpretation, evaluation and report writing on geophysical exploration of Ganesh Himal Lead & Zinc Project financed by UNDP.

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
1990-1991	<p>Nepal Electricity Authority Geotechnical Engineer/ Geophysics</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	<p>Survey, interpretation, evaluation and report writing of around 3 km total line length of seismic refraction survey in Upper Arun Hydroelectric Project (380 MW). Survey, interpretation, evaluation and report writing of 6 km total line length of seismic refraction survey in Naumure Multipurpose Project (200 MW). Field survey, interpretation, evaluation and report writing of 2.5 km line length of seismic refraction survey in Lower Arun Hydroelectric Project (300 MW).</p>
1988-1990	<p>Nepal Electricity Authority Geotechnical Engineer/ Geophycist</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	<p>Survey, interpretation, evaluation and report writing of 6 km line length of seismic refraction survey at various structural sites in Arun-III Hydroelectric Project (402 MW). Survey, evaluation and report writing on seismic refraction and resistivity (Vertical Electrical Sounding) surveys in Jhimruk Hydroelectric Project (12.5 MW). Geo-technical study for Darchula Small Hydroelectric Project and Achham Small Hydroelectric Project.</p>
1987-1988	<p>Nepal Electricity Authority Geotechnical Engineer/ Geophycist</p> <p>For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com</p>	Nepal	<p>Geological and geo-technical study of Naumure Multipurpose Project (200 MW) and geophysical seismic refraction survey at Karnali Multipurpose Project as a counterpart in Himalayan Power Consultant.</p>
1982-	Nepal Electricity Authority	Nepal	Geological study of UNCDF funded small

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
1985	Geologist For reference: Nepal Electricity Authority Information Person: Mrs. Lila Aryal Phone: 01-4153021 Email: information@nea.org.np /informationnea@gmail.com		hydroelectric projects (Taplejung, Khandbari, Okhaldhunga, Ramechhap and Bhojpur Small Hydroelectric Projects), two ADB financed small hydroelectric projects (Tehrathum and Bajhang Small Hydroelectric Projects), Khotang Small Hydroelectric Project, Tatopani Small Hydroelectric Project and Helambu Small Hydroelectric Project.
1981-1982	Department of Irrigation Geologist For reference: Mr. Yam Lal Baidhya, Committee Chief	Nepal	Geological mapping in Seti Hill Irrigation Projects (SHIP) as a counterpart with Louis Berger Int. Inc.
1981-1981	Ground water Development Committee Hydro-Geologist For reference: Mr. Girija Prasad Chaturvedi, Project Manager	Nepal	Borehole logging, resistivity logging and well design in Bhairahawa - Lumbini Ground Water Project, Bhairahawa.

Membership in Professional Associations and Publications:

Membership in Professional Associations

Life member of Nepal Geological Society (NGS), Nepal

Member in Nepal Hydropower Association (NHA), Nepal

Publications

"Geology of the Mugling-Narayanghat Road Section, Central Nepal" presented at the National Science and Technology Congress organized by National Council for Science and Technology, Kathmandu.

Language Skills:

English, Nepali, Newari, Hindi

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
Preparation, Mobilization & Field Investigation works	Managing and Performing all geotechnical work activities including core drilling, geological mapping, subsurface geophysical exploration Soil, Rock & Concrete Laboratory, Engineering Services, Nepal Electricity Authority.
Laboratory Testing Work	
Preparation and Submission of Investigation Report	Supervision and geological and geotechnical investigation of the project component and design of all underground structures including support design in Chilime Hydroelectric Project (22.1 MW). Supervision and geological and geotechnical investigation of the project component and design of all underground structures including support design in Chilime Hydroelectric Project (22.1 MW).
Approval of Report	
Detail Topographic Survey	Survey, interpretation, evaluation and report writing of around 3 km total line length of seismic refraction survey in Upper Arun Hydroelectric Project (380 MW)

Expert's contact information:

E-mail: pmsrestha55@yahoo.com

Phone: 9851138393

Certification:

I, the undersigned, certify to the best of my knowledge and belief that

(i) This CV correctly describes my qualifications and experience

(ii) In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in **Form C** provided team mobilization takes place within the validity of this proposal.

(iii) I was not part of the team who wrote the terms of reference for this consulting services assignment

(iv) I am not currently debarred by a multilateral development bank.

(v) I certify that I have been informed by the firm that it is including my CV in the Proposal Updating of Feasibility Study, Conducting Detailed Engineering Survey and Design Preparation of Tender Documents of Simbuwa Khola Hydroelectric Project (70.3 MW) I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Expert

Name:

Date:

25-12-18

Firm Representative

Name:

Date:

25-12-18