

# NEA Engineering Company Ltd.

Trade Tower Thapathali, Kathmandu.

## Employee Short CV Format

<b>Full Name:</b>	SMARIKA TAMRAKAR			
<b>Position in Company</b>	LEVEL 8	<b>Professional Position (E.g. Civil Engineer)</b>	MECHANICAL ENGINEER	
<b>Academic Qualification</b>	<b>Highest Academic Degree</b>	Masters in Structural Engineering, Research Area: Wind Engineering South West Jiaotong University, Chengdu, Sichuan, China	<b>Year of Completion</b>	2015
	<b>Others Academic Degree</b>	Bachelor's Degree in Mechanical Engineering Pulchowk Engineering Campus, Lalitpur, Nepal	<b>Year of Completion</b>	2011
<b>Experiences</b>				
<b>Total no. of years (Excluding Study period)</b>			6.5 Years	
<b>SN</b>	<b>Name of Organization</b>	<b>Position</b>	<b>Years of Experience</b>	<b>Key responsibilities</b>
1.	NEA Engineering Company, Thapathali, Kathamandu, Nepal	Mechanical Engineer	1 year	<ul style="list-style-type: none"> <li>Responsible for electromechanical design, drawings and technical documentation.</li> <li>3d modelling and CFD simulations.</li> <li>Procurement of software, preparing technical and financial proposals for hydropower projects.</li> <li>Translations from Chinese to English as per requirement of company.</li> <li>Company non-technical works such as hosting company events, managing Chinese delegates etc.</li> </ul>
2.	Goldwind Science & Technology Co., Ltd., Beijing, China	Computational Fluid Dynamics (CFD) Analysis Engineer (December 2015 – April 2018)  Mechanical engineer (July 2015 - December 2015)	3 years	<ul style="list-style-type: none"> <li>Conceptual design of components for new wind turbines.</li> <li>Development of CFD models for design analysis.</li> <li>Correlating and validating the simulation results with experiments conducted in field and laboratory.</li> <li>Data acquisition and analysis from wind turbines in various wind farms in China.</li> <li>Preparing technical reports and presenting to the team and department.</li> <li>Providing software trainings to new team members.</li> <li>Chinese to English translations of technical documents.</li> </ul>
3.	Research Center for Wind Engineering, Southwest Jiaotong University, Chengdu, Sichuan, China	Researcher (October 2012 - June 2015)	2.5 years	<ul style="list-style-type: none"> <li>Simulate the natural wind environment in the tunnel, including profiles of mean speed and turbulence.</li> <li>Performing computational fluid dynamic analysis CFD of 2D and 3d models.</li> <li>Specify and procure equipment needed to</li> </ul>

				<p>support aerodynamic testing.</p> <ul style="list-style-type: none"><li>• Documenting and presenting technical analysis.</li><li>• Design reviews and contribute in conceptual designs</li><li>• Wind resource assessments and working with geographical information systems.</li></ul>
4.				1.
5.				1.