


# PCJ 2016

<b>Name</b>	<b>Prem Chandra Jha</b>	
<b>Designation</b>	Professor	
<b>Department</b>	Civil Engineering	
<b>Area of expertise</b>	Hydrology/Hydraulics/Irrigation/Drainage	
<b>Date of Birth</b>	October 19, 1962	
<b>Joining at IOE</b>	November 1996	
<b>Residence</b>	Lalitpur SMC - 4, Bagdole	
<b>Contact</b>	9851133830 pcj@ioe.edu.np	

## Education:

Institution	Dates	Degree
Moscow Technical University, Russia	1992 - 1996	PhD in Technical Sciences (Hydraulics and Engineering Hydrology)*
Kishinev University, Moldavia, USSR	1985 - 1991	M. Sc. in Civil Engineering (Irrigation & Drainage Engineering)**
IOE, Tribhuvan University, Nepal	1978 - 1981	Diploma in Civil Engineering

\*PhD Dissertation on “Maximum Rainfall Design Discharge for the Road Structures of Nepal”

\*\*M.Sc. Thesis on “Design of Pumping Station of Marchawar Lift Irrigation Project of Nepal”

## Professional Memberships:

- Nepal Engineering Council (NEC No. 166)
- Life Member, Nepal Engineer’s Association (NEA)
- Life member, Society of Hydrologists and Meteorologists (SOHAM-Nepal)
- Executive member, International Hydrological Program, IHP-Nepal, UNESCO
- Member, Tribhuvan University Teachers Association (TUTA)

## Work Experience:

Institution/Department	Designation	Dates	Duties
Institute of Engineering Civil Department Pulchowk Campus	Professor	From 2012	Lectures on Irrigation & Drainage, Hill Irrigation, Watershed Management, Hydrology, Hydraulics, Fluid Mechanics at BE Level and Irrigation & Drainage at M. SC. Level
	Reader	2005 - 2012	
	Lecturer	1996 - 2005	
NEPECON	Engineer	1991 - 1992	District Road Network Study Project of Road Department
Irrigation Department	Overseer	1981 - 1985	Design & Construction of Marchawar Lift Irrigation Project

## Administrative Responsibilities at IOE:

- **Head:** Department of Civil Engineering, Pulchowk Campus, June 2005 - July 2007
- **Deputy Head:** Department of Civil Engineering, Pulchowk Campus, January 2003 - June 2005
- **Member:** Development Management Committee, Dharan Campus, Oct. 2006 – Dec. 2010
- **Member:** Civil Engineering Subject Committee, April 2003 – March 2007
- **Executive Member:** Agricultural Engineering Subject Committee, December 2001 to date
- **Member:** Evaluation Committee for the Affiliation of Kathford Engineering College in 2004
- **Coordinator:** Preparatory Committee of BE Program in Agricultural Engineering at Dharan Campus, 1998 - 2000
- **Member:** Preparatory Committee of M. Sc. Program in Water Resources Engineering, 1998 - 2000

## Publications:

- *Calculation method of maximum rainfall discharge for road structures of Nepal.* “Automobile Roads”, Monthly Journal No. 12, 1995, Moscow, Russia.
- *Special features of Road network in Nepal.* “INFORMAUTOROADS”, Monthly Journal No. 1, 1996, Moscow, Russia.
- *Translating Development. The case of Nepal.* Chapter 4: *Sustainable water management in the Jhikhu Khola watershed.* Edited by: Manfred Domroes, Social Science Press, New Delhi, 2003
- Sustainable use of water in the hills of Nepal. A case study – Jhikhu Khola Watershed. RTU, DCE, IOE, Pulchowk Campus, TU. Funded by: Ford Foundation, Delhi, 2003
- *Irrigation Training Manual for farmers* (Krishak Sichhai Talim Pustika in Nepali), Research and Training Unit, IOE, Pulchowk Campus, 2000.

- ***Guidelines for the design of Head-works for Hydropower Projects (Hydrological and Sediment Study)***, Department of Electricity Development, Shah Consult international, Kathmandu, 2005.
- ***Irrigation and Drainage Engineering***, a Course Manual for M. Sc. Students. TU, IOE, Pulchowk Campus, Department of Civil Engineering, 2002.
- ***Importance of Sprinkler Irrigation Uniformity***, Journal of the Institute of Engineering, Vol. 5, no. 1, December 2005, Kathmandu.
- ***Establishment of Reliable Hydro-Meteorological Data Base for Hydrological Analysis in the context of Nepal***. Techno – Civil Universe, An annual Publication of Civil engineering Students’ Society - Nepal, Vol. 1, IOE, Pulchowk campus, August 2006, Kathmandu.
- ***Estimation of hourly rainfall design intensity from 24-hour maximum rainfall in the context of Nepal***, Journal of Hydrology and Meteorology, Vol. 3, no.1, March 2006, ISSN 1818-2518, Society of Hydrologists and Meteorologists (SOHAM – Nepal), Kathmandu.
- ***Modeling of Floating Intake Structure at Nakkhu Khola***, Department of Irrigation, Institute of Engineering, TU, 2010.
- ***“Groundwater Governance in Nepal”*** – A paper presented in 4<sup>th</sup> Regional Consultation on “Groundwater Governance in Asia and the Pacific Region”, Shijiazhuang, China, 3-5 December, 2012.

### Research Works:

- ***Floating Intake Structure (FIS)***: Lab experiments at IOE for getting Patent Right from Department of Industry, Government of Nepal (2002-2003); Preparation for Model Study (2004-2007); Construction of newly invented FIS in Nakkhu River as a field based Model through Department of Irrigation (2008 - 2010).
- ***Research work on Sustainable use of water for irrigation in the hills of Nepal***, case study – Jhikhu khola watershed, Kavrepalanchok district. Research and Training Unit (RTU), Department of Civil Engineering, Pulchowk Campus. From 1998 to 2001. Funded by Ford foundation, Delhi.

### Trainings & Seminars:

- Training on ***“Extreme Flood Risk Assessment, Phase-II”***, Supported by United Nations University, Japan and Organized by Asian Institute of Technology, Thailand; 29 march - 18 April 2008, Bangkok, Thailand.
- Training on ***“Extreme Flood Risk Assessment, Phase-I”***, Supported by United Nations University, Japan and Organized by Asian Institute of Technology, Thailand; 5 - 23 November 2007, Bangkok, Thailand.
- Training on ***“Capacity Building of Young Engineers in Earthquake Hazard Reduction”***, organized by Lalitpur SMC, Kathmandu, Nepal, 24 Jan - 06 Feb. 2007
- Workshop on ***“Research Methodology: Issues and methods in Research”*** jointly organized by IOE & IIT, Delhi at Pulchowk Campus, Feb. 10 -12, 2000.
- Training on ***“Geographic Information System (GIS)”***, conducted jointly by ICIMOD & IOE, at Pulchowk campus, July 20 - August 02, 1999.
- 4<sup>th</sup> Regional Consultation on ***“Groundwater Governance in Asia and the Pacific Region”***, Shijiazhuang, China, 3-5 December, 2012.
- Regional Workshop on ***“Participatory Groundwater Management for advancing water-based Rural Livelihoods”***, New Delhi, India, 24-25 February, 2014.

### Medals and Awards:

- ***“Mahendra Vidyabhushan”*** for Ph. D. by His Majesty King Birendra Bir Bikram Shah Dev at Narayanhity Royal Palace, Kathmandu in 1996
- ***“Top 2<sup>nd</sup> position with Honours”*** in M. Sc. Engineering at Kishinev University, Moldavia, USSR in 1991.
- ***“Medal and Certificate”*** in 1997 for top 9<sup>th</sup> position in SLC Board of Nepal (held in 1978) by Saraswati High School, Janakpur on its 50 years anniversary day.