



October 28, 2021 (२०७८ कार्तिक ११)

## **Er. Mahendra Bahadur Gurung**

Procurement Expert

Nationality: Nepali  
Date of Birth: October 07, 1954  
Place of Birth: Rumjatar, Siddhicharan Municipality, Ward no. 4, Okhaldhunga district, Pradesh no. 1.  
Raised in: Dhangadhi, Dhangadhi Municipality, Kailali district, Sudur Paschim Pradesh.  
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### **Academic Qualification**

- M. Sc. In Civil Engineering (Water Resources Engineering), 1986  
Colorado State University, Fort Collins, Colorado, USA (Fulbright Hays Scholarship)
- B.E. in Civil Engineering, 1979 (1<sup>st</sup> Division)  
Assam Engineering College, Gauhati University, India (Colombo Plan Scholarship)
- I. Sc. (Math), 1974 (1<sup>st</sup> Division)  
Amrit Science Campus, Thamel, Kathmandu, Nepal

### **Expertise**

- Irrigation development, Hydropower Development and Water-induced disaster management
- Water Resources Planning, Management and Administration
- Engineering Education and Administration
- Dispute Resolutions

## **Current Position:**

**Member**, Public Procurement Review Committee, PMO, Government of Nepal.

Since July 3, 2021(२०७८/०३/१८) – to Date

## **Summary of Special Credentials on Dispute Resolutions**

- २०७८/०३/१८ – To date: Member, Public Procurement Review Committee, Government of Nepal
- २०७७/०३/०७ - २०७८/०३/२३: Arbitrator for a Tribunal for a dispute resolutions from Contractor's side in two (2) no. contracts between M/S Bhairab Construction Pvt. Ltd. VS Department of Roads, Project Road (Hulaki Sadak) Office, Janakpur on disputes arisen in two contracts, the First one, Construction of RCC Bridge for Harkakathwa River along Naya Road/ Madhuvani Road (Contract No. HRP/3372244/071-72/ BC-002) and 2<sup>nd</sup> , Construction of RCC Bridge for Dhankaul River along Naya Road/ Madhuvani Road (Contract No. HRP/3372244/071-72/ BC-005) in Sarlahi
- २०७०/११/१२ – २०७१/०४/१४: Chief Arbitrator for a Tribunal for a dispute resolutions between M/S Chakreshwari/Michiko/Shiva Shakti JV, ShantiNagar Kathmandu VS Butwal Municipality, Rupandehi on a Dispute arisen in the Contract of Construction of Bus Terminal, Shopping Stall and a Restaurant at Butwal Municipality, Ward No. 11 (Project K2L) funded by Town Development Fund.

## **Summary of Special Credentials**

- 2021 June – To date: Member, Public Procurement Review Committee, Government of Nepal
- 2020 Feb – 2021 June: Economic Adviser to Hon'ble Chief Minister Sherdhan Rai, State Government, Province no. 1, Biratnagar, Nepal.
- 2018 Oct – 2020 Jan: Executive Director of The Small Earth Nepal (SEN), Kathmandu, Nepal.
- 2018 Nov – '19 March: SDC Water Resource Expert to contribute input on water resources sector in preparing Approach Paper and Periodic Plan of Government of the State no. 1.
- 2015 June – '18 June: First Chief Executive Officer (CEO) of Pancheshwar Development Authority from Nepal, a bi-national entity of Governments of Nepal and India to develop 5,040 MW Pancheshwar Multipurpose Project in Mahakali River at the border in Far-west Nepal
- 2013: Expert member in an Expatriate Team hired by World Bank for NRRC, MOHA.
- 2012 – '15: Principal of Himalayan Institute of Science and Technology (HIST Engineering College), Kathmandu

- 2009 – '11 and 2011-'12: Joint Secretary at Ministry of Irrigation
- 2011: Director General, Department of Electricity Development (DOED), Ministry of Energy, Government of Nepal
- 2009: Director General, Department of Water-induced Disaster Prevention (DWIDP), Ministry of Water Resources, Government of Nepal
- 2007-'09: Regional Director, Central Irrigation Directorate, Department of Irrigation (DOI), Ministry of Water Resources, Government of Nepal
- 2011-'13: Executive Member (Ex-Officio), Nepal Engineering Council (NEC)
- 2011-'13: President, Nepal Engineers' Association (NEA), 29th Executive Council
- Founder Chairman, Ramã-Krishñ Srijana Pratishtan, a Trust established in the memory of my late mother and father and dedicated to promote creativity in literature, science/ technology and indigenous nationals.

## **Work Experience:**

- |                         |  |
|-------------------------|--|
| <i>Year</i>             | : July 02, 2021 – to Date  |
| <i>Functional Title</i> | <b>Member, Public Procurement Review Committee (PPRC), Prime Minister's Office, Government of Nepal</b><br>Kathmandu, Nepal.   |
|                         | <ul style="list-style-type: none"> <li>• Study the Applications/ Complaints filed by Bidder(s) against the public entity whose decisions in their opinion didn't comply with the prevailing Laws in procurement</li> <li>• Get written responses from the public entity on the complaint.</li> <li>• Hold a hearing from both sides of the case filed</li> <li>• Review the case with focus on the complaint filed and provide judicious decision within 30 days of the day of case filing.</li> <li>• Submit Annual Report</li> </ul> |
| <i>Year</i>             | : February 6, 2020 – June 22, 2021   |
| <i>Functional Title</i> | <b>Economic Adviser to Hon'ble Chief Minister Sherdhan Rai</b><br><b>Office of the Chief Minister and Council of Ministers, State Government, Pradesh no. 1</b><br>Biratnagar, Nepal.  |
|                         | <ul style="list-style-type: none"> <li>• Provide advice to Hon'ble Chief Minister in the area of economic and engineering sectors.</li> <li>• Assisted in hydropower planning sector,</li> <li>• Drafted the basic document of Policy and Program Paper for FY 2077/78 and provided feed back for the same for FY 2078/79.</li> <li>• Played key role in preparing Midterm Review Document in coordination with Pradesh Planning Commission for the State Government</li> </ul>  |

- Played lead role in drafting and finalizing a Pocket Book (गोजी पुस्तिका) comprising of 3-year accomplishments of the Pradesh Government consisting of 232 important accomplishment points and activities carried out by the Government.
- Participated in progress review meetings few proposals from private parties for the economic development of Pradesh no. 1 and expressed expert views.
- Drafted few speeches for Hon'ble CM.

**Year** : October 4, 2018 – February 5, 2020

**Functional Title** **Executive Director**  
**The Small Earth Nepal (SEN)**  
Kathmandu, Nepal.

- Executive In-charge of the organization.
- The SEN is a non-government organization (NGO) striving with research works in water, environment and climate change sectors and applying the research and studies to the society's needs to bring about change in their livelihood.

**Year** : November 15, 2018 – March 31, 2019

**Functional Title** **Water Resource Expert**  
SiddarthInc. Pvt Ltd as appointed by **Swiss Development Corporation,**  
Kathmandu, Nepal.

- Worked intermittently for forty (40) days with experts of other sectors, expert advisors and high level officials of Provincial Planning commission of State no. 1 and made contributions for the water resources sector, viz., drinking water supply, irrigation, water induced disaster management and hydropower development of the Pradesh no. 1.
- **Contributed** in drafting the **Approach Paper of Government** of the State no. 1, in water resources sector comprising of drinking water, irrigation, disaster risk reduction and hydropower. Later, based on this Approach Paper, the 1<sup>st</sup> Five year Periodic Plan was also approved by the State Government.

**Year** : June 11, 2015 – June 10, 2018

**Functional Title** **Chief Executive Officer (CEO)**  
**Pancheshwar Development Authority,** the bi-national joint entity of the Governments of Nepal and India, Kathmandu/ Mahendra Nagar, Nepal.

I served as Chief Executive Officer (CEO), the first CEO, by the Government of Nepal for full 3-year term from June 10, 2015 to June 9, 2018 of the Pancheshwar Development Authority (PDA) which was yet to take a formal shape. As per the PDA Statute, the Authority has an 8-member Executive Committee comprising of 4 Members each appointed from the Governments of Nepal and India. I along with other three

members as Executive Directors (Administration, Legal and Environment) of Executive Committee of the authority was appointed from Government of Nepal. Additional CEO and Executive Director (Technical) appointed by Government of India joined and the Executive Committee took a formal shape. Later Executive Director (R&R) from Government of India joined the Committee. The position of Executive Director (Finance) was never filled up by Government of India. The function of finance was fulfilled by giving additional responsibility to the Executive Director (Technical). This was the first Executive Committee ever formed for the development of Pancheshwar Project.

Pancheshwar Development Authority is a bi-national entity of Governments Nepal and India to develop Pancheshwar Multipurpose Project under the Mahakali Integrated Treaty (signed on February 12, 1996). This joint entity was established in accordance with the article 10 of the Mahakali Treaty.

Under my leadership, a temporary office was first established in Kathmandu to begin the functions of Executive Committee and, one year later in September 2016, it was shifted to Mahendra Nagar, the Far West State (Pradesh no. 7), closer to the Project area, and continued its functions.

**Accomplishment 1:** First Joint Updated Draft DPR of Pancheshwar Project submitted

Under my leadership as CEO of PDA, the Indian consultant WAPCOS (who was hired by Pancheshwar Governing Body (GB) on its 2<sup>nd</sup> Meeting held in November 2014) submitted the joint updated draft of DPR of Pancheshwar Multipurpose Project in March, 2016. PDA asked the consultant to give presentation the GB at its 3<sup>rd</sup> Meeting, which was the first meeting after the Executive Committee (EC) of PDA was constituted in June 2015. It is to be noted that Government of Nepal had prepared its DPR in 1995 followed by India's separate DPR in 2003, both on individual basis. Preparation and submission of **the joint updated draft DPR-2016** was a milestone accomplishment in the history of Pancheshwar Multipurpose Project and of the Treaty.

The reports were delivered to the Ministry of Energy, GON and to the ministry of Water Resources, GOI for review and feedbacks. The EC/PDA under my leadership reviewed the draft DPR and provided the feedbacks to WAPCOS within 4 month time, before the 4<sup>th</sup> meeting of GB was held on July 4, 2016. The draft DPR was then modified based on our feedbacks by WAPCOS and resubmitted to PDA and both the Governments.

**Accomplishment 2:** Message of Continuity and Moving forward

During my tenure (2015-'18), four meetings of Governing Body, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> were successfully organized, the first three in the year 2016 (March, July and December

respectively) and the fourth in the year 2018 (April 26). This in my view gave a satisfying message of continuity.

The year 2017 was more focused on activities related with the finalizing of the draft DPR. As recommended by the Governing Body, both the Governments appointed high level teams of experts/ officials (TOE/O) to resolve the issues observed in the draft DPR. As per the responsibility, I took the initiative and two consecutive meetings, one on August 21-23, 2017 in Kathmandu and the other on September 5-6, 2017 in New Delhi, were organized which helped immensely in resolving the DPR related technical issues. Around 65% of the issues were resolved during my tenure.

**Accomplishment 3: Dignity of bi-lateral entity maintained**

From the beginning, I tried my best to portray a role model of coordinator, facilitator and executive, considering that it was also a role of diplomacy through Project implementation as the PDA is a bilateral endeavour between the two neighboring countries with deep rooted cultural and historic relations. I kept a good rapport with Co-Chairs and Nodal Officers of both the countries for the PDA. I assume that I earned a good degree of confidence and respect from Indian side as well. The events that followed within the PDA amply show that I was able to present a better picture of Nepal side.

**Year** : June 1, 2013 – June 31, 2013  
**Functional Title** **Member of the Consulting Team**  
Team Member of a 3-member expatriate team hired by the World Bank to review Nepal Risk Reduction Consortium (NRRC) that was set up under the leadership of the Ministry of Home Affairs, for the month of June 2013. Mr. Glyn Taylor from DFID was the team leader and Krishna Vatsa was another team member from UNDP, New Delhi. Submitted a Report to the Ministry.

**Year** : October 7, 2012 – May 31, 2015  
**Functional Title** **PRINCIPAL**  
**Himalayan Institute of Science and Technology (HIST Engineering College)** affiliated to Purbanchal University in New Baneshwar, Kathmandu, Nepal.

**My Commitment and adherence towards quality education**

I joined the College as Principal on April 4, 2012 (2068 Chaitra 22). It is an engineering college that ran Bachelor's classes in the morning shift and Master's classes in the evening shift. It fitted my schedule as I was approaching my final months for my retirement. It was going to be a new challenge because it was totally a new domain, separate from what I was doing during my 32 years of professional career. And, when I took up the seat of Principal, it was very hot and thorny with disturbed scenario totally different

from my guess and imagination. Students were on strike and the administration was dislodged.

I tackled the problem one by one taking up seriously the standards and norms issue that the College should follow, and emphasizing the disciplines that the students should follow. I had to tackle with Nepal Engineering Council who had recently inspected the College and expressed disappointment. I also had to tackle with the Purbanchal University from where inspection was completed with a lots of suggestions and instructions.

I took up the charge and tried my best to resolve the issues one by one. I established good rapport with the regulating institutions. I carried out reforms in the College and requested the regulating institutions for revisit and settled the issues gradually sailing the College to rescue, update and upgrade.

I convinced the Management Board of the College to explore an area having more adequate infrastructure and facilities as they are the fundamental prerequisites of a good engineering education. I took the lead. Eventually, the College [with 1.25 ropani (a little more than 6,000 sft) of lands and the total carpeted area of the 5- storey building was a little more than 18,000 sft.] in New Baneshwar was shifted in October 2012 and established at Gairigaun having adequate infrastructures and facilities in a space of more than 8 ropani (about 44,000 sft) of land. The faculty and the administrations were bolstered by hiring new teachers and staff to the College. After a long break since many years, a Program to welcome the Freshers of 2012 Batch and to bid farewell to 2007 Batch was organized on 2069 Poush 21 (Jan 2013).

A monitoring team from Engineering Council visited the College premises on 2070 Ashadh 20 (July 14, 2013). Their evaluation report testified the change that was brought in the aspects of infrastructure and the overall teaching-learning environment in the College. The overall score substantially jumped up from mere 54 while at New Baneshwore to more than 72 now at Gairigaun. Subsequently, the College received letters from the Engineering Council not only for the continuation of the B.E. programs but also the clearance to run Master's level programs. This was a milestone accomplishment.

**Year** : 2009 –2019

**Functional Title** **Leadership role in Steering Committee of Nepal National Water and Weather Week Main Organizing Committee**

This is a self- initiative together with other several government and non-governmental organizations and entities in organizing Nepal National Water and Weather Week in order to mark World Water Day (World Water Day) and World Meteorological Day (March 23), with Water and Energy Commissions Secretariat (WECS) as the leading organization.

### **My relentless association and coordination with water resources**

In lieu with celebrating World Water Day at the call of the United Nations, Nepal began celebrating the World Water Day since 2008. I have kept my leading role and defining association at different capacities with the movement and continued since

then. I joined groups of national level and international non-governmental organizations encouraging the hands to celebrate the Day that attracted the government's attention. Eventually, Water and Energy Commission's Secretariat (WECS) was convinced to take the lead in 2009. I formally began my association as General Secretary of the Steering Committee in 2009 when I was at the Ministry of Water Resources to celebrate the World Water Day and World Meteorological Day and continued the engagement since then at different responsible capacities as follows:

In 2009: As General Secretary in the Steering Committee	
In 2010: Theme: <i>Clean Water for Healthy World</i>	As General Secretary
In 2011: Theme: <i>Water for Cities</i>	As General Secretary
In 2012: Theme: <i>Water and Food Security</i>	As General Secretary
In 2013: Theme: <i>Water Cooperation</i>	As Vice Chairman
In 2014: Theme: <i>Water and Energy</i>	As Vice Chairman
In 2015: Theme: <i>Water and Sustainable Development</i>	As General Secretary
In 2016: Theme: <i>Water and Jobs</i>	As Co-Chairperson
In 2017: Theme: <i>The Untapped Resource</i>	Moral Support
In 2018: Theme: <i>Nature for Water</i>	Moral Support
In 2019: Theme: <i>Leaving No one Behind</i>	Secretariat
<i>The Sun, The Earth and the Weather (WMO)</i>	

**2011 – 13: Elected President of Nepal Engineers' Association (NEA) for the 29<sup>th</sup> Executive Committee (2068-70 BS) and General Secretary for the 26<sup>th</sup> Executive Committee 2005-07 (2062-'64 BS)**

**Success story 1: Grand Golden Jubilee Celebration**

Organized and celebrated 50<sup>th</sup> Engineers' Day as Golden Jubilee event with a week long program on July 13-19, 2102 (२०६९ असार २९-श्रावण ४) in Kathmandu to mark 50 years of relentless journey of NEA. The slogan of the Golden Jubilee celebration was "**50 years of NEA: Engineers' Relentless Journey towards prosperous Nepal.**" A colloquium on "Federalism for Prosperous Nepal" and a national seminar on the theme "**Thinking Big: Engineers' Leadership for Nation Building**" were organized. The main ceremony was inaugurated by the 1<sup>st</sup> President of the Federal Democratic Republic Nepal Rt. Hon'ble Dr. Ram Baran Yadav, who also electronically unveiled a **Golden Jubilee Memorial Pillar** erected in the premises of Engineer Bhavan (NEA Building) to mark the Day. I gave lyrics to an Engineer Geet (Engineer Song) to mark the Golden Jubilee of NEA and was sung by singer Rajesh Payal Rai and friends.

**Success story 2: 13<sup>th</sup> National Convention of Engineers**



Also, organized and celebrated 13<sup>th</sup> National Convention of Engineers on April 28-30, 2013 in Kathmandu on the theme, "Culminating Engineers' Vision and Wisdom for connecting Transition to the Prosperous Future." Six sub-themes were designed, which included (i). Transition and the Change Agenda, (ii). Energy Development, the Engine of Nepal's Growth, (iii). Urban Development for Tomorrow, (iv). Infrastructure Development to Interconnect Nepal, (v). Digitalizing for Modernizing Nepal, and (vi). Irrigation, Disaster Management and R&D

### **Success story 3: Judiciary in Arbitration**

In 2012, an arbitration case between a Contractor and Butwal Municipality ensued on a contract work for the construction of Butwal Buspark facility in Butwal, Rupandehi district. The contract had a provision to assign the President of Nepal Engineers' Association (NEA) as chairman in the arbitration judiciary committee. I chaired the hearing at Nepal Council of Arbitration (NEPCA) office premises, Kopundole. I made adequate contribution to give fair and justful decision in the arbitration.

### **Affiliation to Nepal Engineering Council**

If Nepal Engineers' Association is a platform to establish the rights and benefits of Engineers, then it is the Nepal Engineering Council where the professionalism is promoted and nurtured through quality enhancement to education, to engineering institutions and towards ensuring the production of competent and responsible graduates.

I served Nepal Engineering Council (NEC) as an ex-officio executive member because of my position as President of NEA. I contributed as Coordinator of University (Degree) Affiliation Committee, one of the business committees of the Council. I also led monitoring team to at least six different Engineering Colleges for evaluation of their adherence to the norms and standards of NEC and of their performance. I have played key role in drafting a proposal of establishing Engineering Staff College.

### **A story that was not so successful 3: Establishing change agenda for NEA with federalism**

Established the Change Agenda for Nepal Engineers' Association to transform into an organizational set up that is compatible to the federal democratic republic structure of the country, Nepal. At my initiative, the Executive Council formed a Committee and then a Commission to bring necessary amendments to the current constitution of NEA and come up with recommendations. I gave an impetus with a focused discussion and debate among the stakeholder groups reaching out to a final recommendations signed by all stakeholders. However, finally the other group backed out. I think that was politically motivated.

**June 2013: Team Member of a 3-member expatriate team hired by the World Bank** to review the existing Nepal Risk Reduction Consortium (NRRC) set up under the

Ministry of Home Affairs. The tenure of the consulting service was for one month of June 2013. Mr. Glyn Taylor from DFID was the team leader and Krishna Vatsa was another team member from UNDP, New Delhi. The team undertook a field visit to Nepalgunj and the village by the side of West Rapti River. I wrote the field report for the main report. Series of policy discussions with high level officials of Government and international agencies were conducted.

Final Report with recommendations was submitted to the Ministry of Home Affairs.

**GOVERNMENT TENURE OF MORE THAN 32 YEARS:**

Nov 11, 2011 to Oct 6, 2012 : **Joint Secretary, Ministry of Irrigation**, Singha Durbar, Kathmandu. October 6, 2012: Exit (retirement) date from the Government service

June 8, 2011 to Nov 10, 2011: **Director General, Department of Electricity Development (DOED)**, Ministry of Energy, Kathmandu.

The assignments included overall planning, targeted implementations, regulating activities and full responsibility and accountability for wide ranging programs for DOED's institutional development and the overall development of the power sector.

**Decision taken to build the office building of DOED**

After joining DOED on June 8, I learned that a bidding process to construct office building of the Department had been left pending since the past two years for the lack of decision making. After studying the four bids received and following the government's financial procedure, I took a calculated risk and took the decision to award the contract to the lowest bidder M/s United/ Danfe/ Sunaula Khimti (JV) for the contract of NRs 247.1 million on June 14, 2011. Foundation stone was laid by the then Minister of Energy on June 22, 2011 and the construction began. Now, the DOED office building is almost complete with its superstructures at Sano Gaucharan, Kathmandu. The DOED has started functioning from the new building since 2018.

As a chief of the Department, I attended and delivered a working paper titled "**Hydropower projects in Nepal for private sector Investment and their Status**" in a workshop on "Nepal's Hydropower Sector: New Developments, Investment Opportunities and Challenges" organized on the platform of **Nepal Energy Investors Forum** organized by the Government of Nepal and Asian Development Bank on October 13 – 14, 2011 in Kathmandu. This was important to show that the Director General does not just directs the orders but he also disseminates the information and makes effort to influence and inspire the people and parties of the sector to make investment in the country. That was taken positively by the audience. I wrote an article on the event, which was published on The Himalayan Times, national daily on November 4, 2011.

## **Process of Reforms initiated**

### **Two New Concepts.**

Two new concepts- one of "Peoples' Hydropower" and the other of "Civil Servants' Hydropower" were brought on the surface and were put on interaction. Both concepts were initiated. They were in the process of discussion and realization but stopped short due to change in the government and my transfer.

**September 8, 2009 to June 7, 2011: Joint Secretary**, Ministry of Irrigation, Singha Durbar, Kathmandu, Policy and Foreign Aid Coordination Branch.

I provided decision support to the Secretary and the Hon. Minister of the Ministry of Irrigation in overall policy formulation and implementation with foreign aid coordination in particular.

**December 3, 2008 to September 7, 2009: Director General**, Department of Water- Induced Disaster Prevention (DWIDP), Ministry of Water Resources (MOWR).

### **New Program, New Concept**

As a chief of the Department, I with the feedback from other fellows, conceptualized a program to build embankments on the large river banks with people's participation and named it '**Peoples' Embankment**' (*Janatako Tatbundh*). The Peoples' Embankment program eventually became an indispensable program of DWIDP. It helped the Department and also the Government (Ministry of Irrigation) to float a new approach of protecting the lands, crops, village settlements and the people at the large river banks, and thereby, accomplishing benefits such as reclaimed land, reclaimed lost crops, new route of transportation, job opportunities, etc.

## **Process of Reforms initiated**

I got an opportunity to take part in two Indo-Nepal Joint Committee meetings. One was Joint Secretary level meeting of the 1st Joint Standing Technical Committee (JSTC) on Dec 8-9, 2008 in New Delhi, India at the aftermath of the Koshi disaster of August 18, 2008. Other was the Secretary level meeting of the 4th Joint Committee on Water Resources (JCWR) on March 12-13, 2009 again in New Delhi.

At the JSTC meeting, among other issues, I lobbied to the formation of a new Joint Committee at the DG- level. I presented the logic that there existed no Joint Committee which was to be overseen and taken responsibility to by the executive chief of the Nepal side. This was taken positively. A new name "Joint Committee on Inundation and Flood Management (JCIFM)" was coined and was recommended to the forthcoming JCWR. The forthcoming 4th JCWR meeting chaired by Secretary Shankar Prasad Koirala of MOWR, Nepal and Secretary Umesh N. Panjiyar of MOWR, India, endorsed the recommendation giving way to formation of the 18-member JCIFM which would report to JSTC and would implement the decisions taken by JSTC. At the same

meeting, it was also decided to absolve other standing committees such as SCIP, HLTC, JCFM and SCFF into JCIFM. It was a success to reckon with, not just for me but for the Department as well.

**August 4, 2006 to December 2, 2008: Regional Director** of Central Regional Irrigation Directorate (CRID), Ministry of Water Resources.

Focused on initiating the implementation of ADB funded Community-managed Irrigated Agricultural Sector Project (CMIASP) in the central region and **gained a performance edge** over the eastern region, as described during the departmental evaluations.

Fostered the process of institutional development of the irrigation directorate and the divisional offices by undertaking regular monitoring, evaluation and decisions, and through organizing regional appraisal and approval committee (RAAC) meetings.

**May 06, 2004 to August 3, 2006: Senior Divisional Engineer (SDE)**, Under Secretary level, Gazetted Officer Class – II. **Chief of Program and Budgeting Section**, Ministry of Water Resources, Singha Durbar, Kathmandu.

**Jan 04, 2001 to May 05, 2004: Division Chief** of Far-Western Irrigation Development Division No. 1, Mahendra Nagar, Kanchanpur, under Department of Irrigation, Ministry of Water Resources. Completed four (4) irrigation schemes and received felicitation from Upper Jahari Irrigation Project water users' association, Kanchanpur.

**Nov. 23, 1997 to Jan 03, 2001: Mobile Irrigation Team (MIT) Leader** (Senior Divisional Engineer, Class II) at Western Regional Irrigation Directorate, Pokhara, Nov. 23, 1997 – Jan 03, 2001

**Feb 05, 1995 to Nov. 22, 1997: Chief of Engineering Division**, (Senior Divisional Engineer, Class II) in Bhairahawa – Lumbini Groundwater Project, Stage – III, Bhairahwa, for World Bank supported project. I coordinated with Nepal Electricity Authority at district level for power grid distribution for deep tube wells in the project area.

#### **The work volume more than doubled**

After my posting, my planning, hard work and team work expanded the activities of the Engineering Division by many folds. Consequently, the budget of the Project for the next fiscal year was tripled leading to the creation of a new post for senior divisional engineer.

Peoples' participation in real sense was mobilized for the first time in the project. Planning, team work and hard efforts for coordination and motivation paid off. The farmers, the water users, came out to excavate the trenches for the PVC pipes voluntarily that was

evaluated up to NRs 8.5 million in one fiscal year. That was a real breakthrough despite of many hurdles.

**July 14, 1991 to Feb 04, 1995: Mobile Irrigation Team (MIT) Leader** (Senior Divisional Engineer, Class II) to Western Regional Irrigation Directorate, Pokhara, Ministry of Water Resources.

**Apr 01, 1987 to July 13, 1991: Site Engineer**, Bagmati Irrigation Project (BIP), Ministry of Water Resources, Rautahat district

**Aug 22, 1980 to Mar 31, 1987: Assistant Engineer**

**Aug 22, 1980:** Entry point, Department of Irrigation, Ministry of Water Resources, Government of Nepal. I made following deliveries from my different positions:

- **August 22, 1980:** Entry date to the Department of Irrigation
- About 2 ½ years in **Irrigation Office, Baitadi (Far-west region). Established a new office at Patan.** Carried out survey works of five irrigation schemes under Mahakali Integrated Rural Development Project.
- About another 2 ½ years as **Project Chief of Naulakot Irrigation Project in Dadeldhura (Far-west).** It was a small scale project in the hills and was complicated for the rocky terrain. Completed about 75% of the project work before leaving for higher studies. The system is under operation now.
- I was awarded **Fulbright Hays Scholarship** for higher study to earn degree of Master's of Science in Water Resources Engineering in Colorado State University, Fort Collins, USA (1985-'86).

## **WORKSHOPS, CONFERENCES AND SEMINARS**

Participated in the **3<sup>rd</sup> International Conference on "Resilient Infrastructure for a Better Tomorrow"** on Nov 18-20, 2019 organized by Society of Consulting Architectural and Engineering Firms (SCAEF) in Kathmandu. Coordinated and **presented the Wrap up, Summarization and Resolution presentation at the Conference Closing Session** on Nov 20, 2019

Participated as a **Commentator** in a Session- 1 Panel discussion on **Energy, Irrigation and Water Supply** moderated by Er. Sanjeev Baral on July 20, 2019 in the **57<sup>th</sup> Engineers' Day organized by Nepal Engineers' Association** on July 19-20, 2019 in Kathmandu

Participated as a **Coordinator of Award Selection Committee**, led the procedure of carrying out selection of candidates for the awards and presented to the audience the final results of seven awards such as Lifetime Achievement Award, Distinguished Entrepreneur Award, Martyr Er. Nawaraj Bishta Memorial Award, Outstanding Woman Engineer Award, Outstanding Youth Professional Award, Engineers'

Appreciation Award and Mt. Everest Expedition Award to the noble Engineer awardees in a grand manner on July 19, 2019 in the **57<sup>th</sup> Engineers' Day organized by Nepal Engineers' Association** on July 19-20, 2019 in Kathmandu

Participated as a **Member of Award Selection Committee** in the process of carrying out selection of candidates for the awards presented by coordinator Prof. Dr. Jibraj Pokharel to the Engineer awardees on July 19, 2019 in the **56<sup>th</sup> Engineers' Day organized by Nepal Engineers' Association** on July 19-20, 2018 in Kathmandu

Participated in a workshop on **Strengthening Institutional Framework for Cooperative Governance in Mahakali /Sharada River Basin** organized by IUCN on June 25-26, 2018 in Kathmandu and presented a working paper titled "*Pancheshwar Project: The Institutional Arrangement and Water Governance Challenges*" on June 25, 2018. This was a workshop attended by participants from Nepal and India.

Participated in a **Science, Information and Technology Youth Conference (SIT-NYC 2018)** on June 15-17, 2018 in Kathmandu and chaired a Session titled "**Engineering and Material Sciences**" of distinguished panelists on a thematic paper titled "*Focusing a Decade for Research and Innovation: Avenues of Engineering for Prosperous Nepal*" by Dipendra Gautam

Participated in a Conference of Science and Technology on the theme "**Science and Technology for Prosperous Federal Nepal**" organized by Nepal Academy of Science and Technology (NAST) on May 21-22, 2018 in Mahendra Nagar and presented a working paper titled "*Pancheshwar Multipurpose project: A Strategic Joint Venture of Nepal and India*"

Participated in the **15<sup>th</sup> National Convention of Nepal Engineer' Association** on Mar 21-23, 2018 and chaired a Session on "*Engineering for Prosperous Federal Nepal*" on March 22, 2018 in Kathmandu, Nepal

Participated in the **55<sup>th</sup> Engineers' Day organized by Nepal Engineers' Association** on July 18, 2017 (2074 Shrawan 3) and chaired a Session in the Seminar on **Engineers for Infrastructure Development at Local Level** on July 18, 2017

Participated in the **14<sup>th</sup> National Convention of Nepal Engineer' Association** on Feb 17-19, 2016 and presented a working paper on "*Hydropower Infrastructure Development: Prospective under Bi-lateral Cooperation, in Perspective of Pancheshwar Multipurpose Project*" on Feb 18, 2016 in Kathmandu, Nepal

Coordinated as General Secretary of Main Organizing Committee a thematic national seminar on **"Water and Sustainable Development"** on the occasion of Nepal National Water Week (NNWW)- 2015 to commemorate World Water Day on March 22, 2015.

Participated in Fulbright South Asia Regional Workshop on **"Water-Energy-Food Nexus"** organized by U.S. Embassy in Kathmandu (Nepal), World Bank Group, Fulbright Commission, ICIMOD and Nepal Water Conservation Foundation on February 10 – 12, 2015 in Kathmandu. The international workshop was attended by university professors, scholars, academicians, implementers and policy makers from the South Asian countries and around the world.

Participated in an international conference on **"Climate Change Innovation and Resilience for Sustainable Livelihood"** organized by a consortium of international organizations such as USAID, the non-governmental organizations such as the Small Earth Nepal (SEN), the foreign universities such as Colorado State University, Fort Collins, The City College of New York, USA on January 12 – 15, 2015 in Kathmandu. I moderated the Plenary Session where prominent figures such as former NPC Vice Chairman, seating NPC joint secretary, some leading researchers and UN representative made deliberations on the theme.

Participated in a 3-day Seminar on **"Settlement of Dispute on Works and Goods Contracts"** organized by Nepal Council of Arbitration (NEPCA) on June 11 - 13, 2014 in Kathmandu.

Participated in a high level panel discussion Forum on the theme **"Policy Forum: Bridging Science and Policy"** organized by a consortium of Non-governmental organizations such as the Small Earth Nepal (SEN), the Consortium for Capacity Building (CCB) at the University of Colorado, Boulder, USA, the Asian Institute of Technology (AIT), Thailand and Small Earth Australia (SEA), Australia, and with a funding support of the Asia-Pacific Network for Global Change Research (APN) on May 1, 2014 in Kathmandu. I moderated the Plenary Session where prominent figures such as former NPC Vice Chairman, seating NPC joint secretary, some leading researchers and UN representative made deliberations on the theme.

Participated in a National Irrigation Seminar- 2071 (2014) titled **"Irrigation to all Cultivable land: Challenges and Opportunities"** organized by the Department of Irrigation on May 23 - 24, 2014 (2071 Jestha 9 – 10) in Dhulikhel, Kathmandu. Chaired a Technical Session II: *Socio- Economic Aspect of Irrigation*.

Coordinated a thematic national seminar on **"Water and Energy"** on the occasion of Nepal National Water Week (NNWW)- 2014 to mark World Water Day on March 22, 2014.

- Participated as an invitee (as President of Nepal Engineers' Association, NEA) in the National Symposium on "**Experiences in Earthquake Risk Reduction and Response**" organized by National Society of Earthquake Technology, Nepal (NSET) on January 12-13, 2014 (2070 Poush 28-29) in Kathmandu in lieu to celebrating 16th Earthquake Safety Day on January 16 (Magh 2) commemorating the mega Earthquake of 1935 that occurred in Bihar, the northern India and in Nepal. During the Symposium, I chaired the main technical session (Session C) on "*Earthquake Risk Management*" in which six working- and research papers were presented and discussed.
- Participated as an invitee (as President of Nepal Engineers' Association, NEA) in the 6th Civil Engineering Conference on Asia Region (CECAR) on "**Embracing the Future through Sustainability**" organized in the premises of Asian Civil Engineering Coordinating Council (ACECC) by Indonesian Society of Civil and Structural Engineers (HAKI) on August 18 - 22, 2013 in Jakarta, Indonesia. During the Conference, the 1st Asian Board Meeting of Japan Society of Civil Engineers (JSCE) was organized on the theme "**Lessons Learned from Past Natural Disasters**", in which I presented a country paper on "*Water- induced Disasters in Nepal: Causes, challenges and Management Initiatives*"
- Participated in a National Irrigation Seminar- 2070 (2013) titled "**Challenges and Opportunities in Irrigation Development for Green Revolution**" organized by the Department of Irrigation on May 24 - 25, 2013 in Dhulikhel.
- Participated as a resource person (as FAAN President) in a south and central Asia (SCA) Regional Fulbright Alumni Conference titled "Adapting to Change: Fulbrighters' Perspectives on South and Central Asian Societies" organized by Fulbright Alumni Association, Nepal (FAAN) and Commission for Educational Exchange between the United States and Nepal (USEF/ N) on April 27 - 29, 2012 in Kathmandu. Presented a country paper on "***Nepal's Hydropower Development: Key to Socio-Economic Change in South Asia***"
- Participated as a resource person (as Director General of DOED) in a workshop titled "**Nepal's Hydropower Sector: New Developments, Investment Opportunities and Challenges**" organized on the platform of **Nepal Energy Investors Forum** organized by the Government of Nepal and Asian Development Bank on October 13 - 14, 2011 in Kathmandu. Presented a comprehensive paper on "*Hydropower Projects in Nepal for Private Sector Investment and their Status.*"
- Participated as a resource person (as Joint Secretary at Ministry of Irrigation) in an international Conference titled "**Pacific Environmental Security Conference**" organized by USPACOM on March 15 - 17, 2011 in Honolulu, Hawaii, USA. Presented a country paper on "*The Koshi Disaster: The Event, Causes and the Aftermath*"



- Participated in a Ministerial Level Conference and workshop on '**Disaster Risk Reduction**' from 22 – 29 October, 2010 in Incheon, Republic of Korea organized by World Bank. A pre- Conference Workshop was organized to discuss on Designing for disaster and climate resilience.
- Participated in a National Workshop on "**Challenges in Irrigation Development and Management**" organized by Department of Irrigation in Kathmandu, 11-12 July 2010. Presented a paper titled '*Adapting Climate Change in Irrigation Sector*'
- Participated in an International conference on "**Climate Change and its Impact on Local Infrastructure Development**" organized by Diploma Engineers' Association, Nepal (DEAN) held in Kathmandu, 5 June 2010. Presented a paper titled '*Adapting Climate Change in Agriculture Sector*'
- Participated in an International Conference on "**Hydrology and Climate Change in Mountainous Area**" jointly organized by IHP Nepal and UNESCO held in Kathmandu, 15-17 November 2008. Co-authored and presented a paper titled '*Flood Disasters in Nepal: Causes, Challenges and Management Initiatives*'
- Participated in a one day Workshop on "**Need of community –based Infrastructure: A Way Forward to New Nepal**" organized by Diploma Engineers' Association, Nepal (DEAN) held in Kathmandu, on May 24, 2008. Presented a paper titled '*Revitalizing Irrigation Sector for New Nepal*'
- Participated in an International Seminar on "**Management and Mitigation of Water Induced Disasters**" jointly organized by Department of Water Induced Disaster Prevention, Nepal Engineering College and Ehime University, Japan held in Kathmandu, 21-22 April 2008. Presented a paper titled '*Water induced Disasters in Irrigation Projects: A Case of Mohana Irrigation Project, Kailali.*'
- Participated in a National Workshop on "**Irrigation Development and Modernization: A Roadmap to New Nepal**" organized by Department of Irrigation held in Dhulikhel, 2-3 July 2007. Presented a paper titled '*Revitalizing DOI for a New Nepal.*'
- Participated in 10<sup>th</sup> National Convention of Engineers organized by Nepal Engineers' Association (NEA) with the theme- "**Building New Nepal: Challenges and Opportunities to Engineers**" held on 11 – 13 April 2007 in Kathmandu. Presented two joint papers, one, titled '*Revitalizing Irrigation: A Strong Backstopping to Building New Nepal*' on April 12 co-authored with Senior Divisional Engineer Dr. Khem Raj Sharma and the other titled '*Managing Groundwater Resource for Poverty Alleviation*' on April 13 co-authored with Sen. Hydro-geologist Mr. Nava Raj Shrestha, all of us from Department of Irrigation (DOI).
- Besides playing the Master of Ceremony role for the Inaugural Session, participated in the Golden Jubilee Seminar on "**Five Decades of Planned Irrigation Development: Achievements and Future Challenges**" held in Kathmandu, 8 April 2003, an event

of the Golden Jubilee Celebration, 7-8 April 2003, to mark 50 years of continued service of Department of Irrigation. Presented a paper titled '*Organization Dynamics for Department of Irrigation.*' Also wrote a DOI's Golden Jubilee related title article "*Golden Jubilee: The Rationale?*" for the Souvenir published to mark the event.

Organized and conducted a training titled '**Small scale surface irrigation systems**' for overseers working for HELVETAS, Pokhara 13 – 31 January 2000.

Participated as a resource person in '**First National PIM (participatory irrigation management) Seminar** in Nepal', 10 – 14 November 1998. Presented a paper on the topic '*Practice of Participatory Irrigation Management in Tube well Irrigation System in Nepal*'. The paper was based on my experience in Bhairahwa-Lumbini Ground water Project, was well received by the participants and was published in the proceeding report.

Participated as a resource person in the two-day workshop titled '**Irrigation Management Transfer: Evaluation of Process and Performance**' jointly organized by Resource and Training Development Branch (RTDB/ DOI) and International Irrigation Management Institute (IIMI), 5– 6 October 1997 in Kathmandu. Presented a working paper on the topic '*Management of Turned over Systems in Bhairahwa- Lumbini Ground water Project: Role of farmers and Agency in System Management*'. The paper was published in the proceeding report.

Participated as a resource person in the two- day '**National Workshop on Participatory Management in Agency Managed Irrigation System**' jointly organized by DOI and IIMI, 29- 30 April 1992 in Kathmandu. Presented a working paper on the topic '*Concept, Procedure and Strategy of Participatory Management Program for Large Irrigation Projects under ILC Financing*'. This paper was an outcome of my association as an MIT Leader to the WB financed Irrigation Line of Credit (ILC) pilot Project during my tenure at WRID.

## **PROFESSIONAL TRAINING**

I have taken part in several training courses in- and outside Nepal. I also have presented working papers in many of them, which have been published in the proceeding reports. Some of the training includes the following:

Participated in a Training cum Seminar on "Settlement of Disputes in Goods and Works Contacts" on June 11 – 13, 2014 organized by NEPCA in Kathmandu, Nepal.

Coordinated between Department of Water-induced Disaster Prevention (DWIDP) and GFDRR, World Bank, Pacific Region and WB Nepal to organize a week long Training on 'Post Disaster Need Assessment (PDNA)' on January 27 – Feb 2, 2012 in Kathmandu, Nepal. Ms. Katalin Demeter, Mr. Ayaz Parvez and Krishna S. Vatsa attended as

expatriate experts for the training. Participants from cross-cutting sectors related to the disasters took part and benefitted from the international training program.

Participated in a training titled 'Debris Flow and Early Warning System' and a 'Workshop on Debris flow' from November 22 – December 2, 2010 in Chengdu, China organized by Chinese Academy of Sciences. I also presented a country paper titled '*Water induced disasters in Nepal: Challenges and Initiatives for their Management*'.

Participated and completed 22<sup>nd</sup> Senior Executive Development Programme (SEDP) organized for the Gazetted Class I Officers of the Government of Nepal from November 11 – December 17, 2009 by Nepal Administrative Staff College, Jawlakhel, Lalitpur, Nepal.

Participated in an International Training Workshop on 'Integrated River Basin management' from July 27 – August 3, 2009 in Beijing, China organized by International Research and Training Center on Erosion and Sedimentation (IRTCES).

Participated in a training titled 'Water Resource Projects in China' from 14 to 28 July 2002 in Beijing, China organized by Tsingua University. In the training, various presentations were made by Professors and high level techno officials on water resource projects such as hydropower, irrigation and river training undertaken in China.

### **Professional Affiliations**

- Nepal Engineering Council
  - Registered Member (No. 2903 'A', Civil)
  - Executive Member Ex-Officio (2068-'70)
- Nepal Engineers' Association:
  - Life Member (No. 1301)
  - President (29<sup>th</sup> EC) (2068-'70 BS)
  - General Secretary (26<sup>th</sup> EC) (2062-'64 BS)
- Nepal Engineers' Association, Mahendra Nagar Chapter:
  - Founder Chairperson
- Nepal Council of Arbitration (NEPCA): Life Member (since 2071BS)
- Society of Irrigation Engineers, Nepal (SIREN): Life Member
- Fulbright Alumni Association, Nepal (FAAN):
  - President (2067-'69 BS);
  - General Secretary (2065-'67 BS)

### **Publications**

A book, an anthology of poems titled “*Bihan*” meaning ‘the Morning’. The anthology comprising of 35 contemporary poems was released in Jan 14, 2011 (Poush 30, 2067).

A book titled “*Nepal ma Sinchai ko Sansthaगत Vikas*” meaning ‘Institutional Development of Irrigation in Nepal’. The book comprising of 56 contemporary articles related to irrigation and electricity was released on the occasion of the Golden Jubilee Ceremony- 2003 of the Department of Irrigation on April 7, 2003 (Chaitra 24, 2059).

**Countries Visited:** Indonesia (Jakarta), India (Kolkata, Banglore, Chandigarh, New Delhi, Chennai), Pakistan (Karachi), Bangladesh (Dhaka), USA (Hawaii), Korea, China (July 2002; August 2009), Japan (Jan 1999), The Philippines (Nov 1994), Thailand (June 1992), USA (Colorado) (1985- ‘86)