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## CURRICULUM VITAE (CV)

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- 1. Name :** SUBHASH CHANDRA VERMA
- 2. Date of Birth :** 24 March 1952      **Citizen:** Nepal
- 3. Education :**
- M.E. (Hons.) Hydrology, University of Roorkee, Roorkee, India, 1988.
  - B. Sc. Engg.(Civil), Punjab Engineering College, Chandigarh, India, 1976.
- 4. Email:** [vermasubhashnp@gmail.com](mailto:vermasubhashnp@gmail.com) / [scv\\_np@yahoo.com](mailto:scv_np@yahoo.com)
- 5. Telephone: Nepal: +977 9849201072(M),**
- 6. Membership of Professional Associations:**
- **Registered Engineer- Nepal Engineering Council**
  - Life Member- Nepal Engineers' Association
  - Life Member- Indian Association of Hydrologists
  - Life Member-Indian Water Resources Society
  - Life Member – Nepal Council of Arbitration (**Panelist**)
- 6A. Appeal Panel Member:      Second Level Authority  
Millennium Challenge Account Nepal (MCA-N) - Contract**
- 7. Other Training:**
- Technical Auditor's Training conducted by National Vigilance Centre, Government of Nepal, Kathmandu, Nepal (September 25 – October 16, 2015)
  - Training on Detailed Seismic Assessment, Design and Strengthening of Unreinforced Masonry Building Structures conducted by AECOM, New Zealand, Department of Urban Development & Building Construction, Government of Nepal, Institute of Engineering, Kathmandu and Nepal Engineer's Association, Kathmandu, Nepal. Aid Programme by Government of NEW ZEALAND. (September 14 – September 17, 2015)
  - Post Damage Assessment and Repair and Strengthening of Masonry/Reinforced Concrete Building conducted by Department of Urban Development & Building Construction, Government of Nepal and Nepal Engineer's Association, Kathmandu, Nepal. Supported by UNDP's Comprehensive Disaster Risk Management Programme –Nepal (August 26 - August 28, 2015)
  - Procurement and Contract Management in Context of Dispute Settlement from Nepal Council of Arbitration, Kathmandu, Nepal (April 20 – April 25, 2014)
  - Advance course on management and development administration from Nepal Administrative Staff College, Kathmandu, Nepal ( Feb. 20 – March 28, 2006)
  - Irrigation Modernization, Management Improvement and Benchmarking Jointly organized by Department of Irrigation and FAO, Nepal (May 19 - May30, 2003)
  - Irrigation and Drainage Engineering (15th International course) Jointly Organized by Directorate General of Water Resources Development of Republic of Indonesia and JICA ) in Bekasi, Indonesia (Nov. 15 – Dec. 17, 1999)
  - Development Administration and management from Nepal Administrative Staff College, Kathmandu, Nepal (Aug. 12 – Sept. 21,1990)
  - **Training on Computer Skill:** MS Word, Excel, Power Point and Internet Applications, AutoCAD, GIS (ArcView), Remote Sensing using ERDAS Imagine Software, SoftWel, MS Project, Primavera P6.
- 7A. Certification:**
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|--------------------------|--|
| <b>Arbitrator</b>        | : Nepal Council of Arbitration, Kathmandu, Nepal   |
| <b>Technical Auditor</b> | : National Vigilance Center, Govt. of Nepal, Nepal |
- 7B. Contract Management**
- 8. Countries of Work Experience      : Afghanistan, Ethiopia (Africa), India & Nepal.**
- 8A. Professional Skill:**

Comprehensive experience in handling construction activities of projects involving planning, scheduling, executing and spearheading numerous projects involving planning, budgeting and resource administration, with a flair for adopting modern methodologies / technical solutions in compliance with codes and quality standards.

Strong relationship management & communication skills with an ability to identify & network with Project Members, Clients / Site Members / Architects / Vendors / Suppliers / Consultants / Sub-Contractors with consummate ease.

Skilled in maintaining excellent relations with Statutory Authorities / Government and Non-Government) and Political Bodies

Inter-personal skills with proven abilities in coordinating with Project Team & Project Managers for achieving quality, process improvement & cost savings in the projects.

Expertise in handling infrastructure projects with reputed clients involving planning, survey, design, estimate, tender evaluation and construction of Buildings, Roads, Irrigation and Flood Protection Works.

**8B. Specific Experience:**

**I. Arbitration:**

**Chief Arbitrator: (Tribunal)**

**i. Mahakali River Training Project:** Darchula, Nepal (Employer: Mahakali River Training Project Office under Department of Water Induced Disaster Management, Government of Nepal & Contractor: ANK – BAJRA GURU – AMAR J/V): - **Awarded: February 2020**

**ii. Gamgad Small Hydro-Power Project:** Mugu, Karnali, Nepal (Employer: Nepal Electricity Authority, Government of Nepal & Contractor: Global Construction Pvt. Ltd.): - **Awarded: October 2019**

**IA. Adjudicator:**

**Improvement of Road to Six Lane Standards of Janakpur-Jatahi Section:**(Client Department of Roads, Government of Nepal and the Contractor Lama – Danfe – Dhukuchhu J/V) : **Hearing**

**II. Technical Audit:**

**Name of assignment: Technical Audit of Roads, Bridges and River Training Works**

**Location: Nepal**

**Year: March 2016 to July 2022**

**Client: National Vigilance Center, Government of Nepal, Nepal.**

**Position Held: Technical Auditor**

**Main Project Features:**

Integrated Technical Audit: ***Assessment of Technical, Procurement and Social and Environmental Aspects of Programme: Technical Process and Design, Procurement Process, Progress, Contract Management and Quality, Social and Environmental Management and Analytical Auditing***

**Activities:**

Study Detailed Project Report. Prepare Relevant Check List with Audit Plan, Collection of all Technical Data, procurement proceedings methodology, financial proceedings, payment and guarantees against advance payments, Test Reports of construction materials and works. Visit construction site and investigate the works' stage complying with the specification, norms and design and drawing approved

**Including:**

***i) Submission of Technical Audit Report***

***ii) Presentation in Power Point***

**a) Technical Audit of Irrigation Project**

***Project under Department of Water Resources and Irrigation, Government of Nepal***

- Community Managed Irrigated Sector Project-AF (**CMIASP-AF**) Construction of Irrigation Canal and its Associated Structures of an ISP - Kavrepalancowk District - (**July 2021**)

**b). Technical Audit of River Training Works**

***i) Project under Department of Water Resources and Irrigation, Government of Nepal***

- River Training Works in Danav River, Rupandehi District (**July 2022**)

- West Rapti River Training Works: Construction of Embankment with Launching Apron and Revetment - Banke District. **(July 2021)**

- Kamala River Training Project Construction Work – Siraha District

**ii). Project under Civil Aviation Authority of Nepal**

- Pasaha River Training Works – Bara District

**c). Technical Audit of Rural Roads**

**Project under Department of Local Infrastructure Development and Agriculture Roads, Government of Nepal**

- Rajapur Ring Road (SNRTP Upgrading) – Bardiya District
- Strengthening of National Road Transport Project Routine Maintenance - Bardiya District
- Sandhikhark-Balkot-Tamghas Road Project (SNRTP Upgrading) - Arghakhanchi District
- Strengthening of National Road Transport Project Routine Maintenance - Nawalparasi District

**d). Technical Audit of Bridge**

**Project under Department of Roads, Government of Nepal**

RCC Bridge over Aduwa Khola, Jhapa District **(July 2022)**

- Gachhe Khola Bridge - Arghakhanchi District
- Kanchan Khola Bridge - Arghakhanchi District.
- Jumdi Khola Bridge - Gulmi District
- Khahare Khola Bridge - Ramechhap District

**III. Consulting Services:**

**Civil Engineer:**

Preparation of **Initial Environment Examination (IEE) Report** of Tinau River Training Works at **Butwal of Rupandehi District** under Department of Water Induced Disaster Management (DWIDM), Government of Nepal, Lalitpur. Nepal.

**9. Languages :**

| Language | Speaking  | Reading   | Writing   |
|----------|-----------|-----------|-----------|
| Bhojpuri | Excellent | Excellent | Excellent |
| Nepali   | Excellent | Excellent | Excellent |
| English  | Excellent | Excellent | Excellent |
| Hindi    | Excellent | Excellent | Good      |

**10. Employment Record :**

**From October 2017 : To December 2017**  
**Employer : National Highways& Infrastructure Development Corporation Ltd. (NHIDCL)**  
**(A Government of India Enterprise)**  
 New Delhi, India  
**Position held : Senior Manager**

**From March 2016 : To August 2016**  
**Employer : EDMAC Engineering Consultant (I) Pvt. Ltd.**  
 New Delhi, India  
**Position held : Project Coordinator**

**From March 2012 : To October 2014**  
**Employer : SHELADIA Associates Inc.**  
 Maryland, USA  
**Position held : Senior Water Resources Specialist/Irrigation Engineer**

**From Sept 2011 : To March 2012**  
**Employer : Environment Resource Management Consultancy**  
 (ERMC), Kathmandu, Nepal  
**Position held : Team Leader**

**From May 2010 :** **To March, 2011**  
**Employer :** **TAHAL Consulting Engineers Ltd, Israel**  
**Position held :** **Senior Civil/ Irrigation Engineer**

**From August 2009:** **To May, 2010**  
**Employer :** **Environment Resource Management Consultancy (ERMC), Kathmandu, Nepal**  
**Position held :** **Senior Irrigation Engineer (Flexible Input)**

**From August 2009:** **To April 2010**  
**Employer :** **ABN Planners and Developers, Kathmandu, Nepal**  
**Position held :** **Team Leader (Flexible Input)**

**From Oct 2008 :** **To 21 July 2009**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **\* Superintendent Engineer-(Joint Secretary): Voluntary Retirement**

**From June 2007 :** **To Sept 2008**  
**Employer :** **Consulting Engineering Services ((India) Pvt. Ltd.**  
**Position held :** **Deputy Team Leader / Irrigation Engineer**

**From March 2007 :** **To May 2007**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **\*Division Chief (Team Leader)**

**From Jan 2005 :** **To Feb 2007**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **\*Mobile Team Leader/Senior Divisional Engineer**

**From Nov. 2002 :** **To Dec 2004**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **\*Division Chief (Team Leader)**

**From Dec 1993 :** **To Oct 2002**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **\*Office Chief/\*Senior Divisional Engineer (Team Leader)**

**From April 1993 :** **To Nov 1993**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **Manager**

**From Dec 1988 :** **To Mar 1993**  
**Employer :** **Department of Irrigation, Ministry of Water Resources, Govt. of Nepal**  
**Position held :** **Project Manager / Irrigation Engineer**

**From Jun 1987 :** **To Nov 1988**  
**Study at :** **University of Roorkee, Roorkee, India**  
**Position held :** **M.E. Course**

**From Nov 1976 :** **To Jun 1987**  
**Employer :** **DIHM, Ministry of Food, Agriculture and Irrigation**  
**Position held :** **Irrigation Engineer (Senior Resident Engineer/Resident Engineer)**

**From Aug 1976 :** **To Oct 1976**  
**Employer :** **Department of Roads, Ministry of Works and Transport**  
**Position held :** **Design Engineer**

| 11. Detailed Tasks Assigned | 12. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned   |
|-----------------------------|---|
|                             | <p><b>Name of assignment or Project: construction supervision of Postal Highways of two districts of Nepal (Government of India Funded)</b><br/> <b>Year: October 2017 to December 2017</b><br/> <b>Location: Bara District and Parsa District, Nepal</b><br/> <b>Client: Department of Roads, Government of Nepal</b><br/> <b>Position Held: Senior Manager</b><br/> <b>Main Project Features:</b><br/> <b>Construction Supervision of Postal Highways of Bara District and Parsa District (126.00 Km)</b></p> <p><b>Activities</b><br/> Coordinate with the client, team members and other concerned personnel. Monitoring the progress and the activities related to construction.<br/> Team management.</p> <p><b>Name of assignment or Project: Construction Supervision Consultancy Services as Authority's Engineer for Construction of High Level Bridge and State Highway. (Government of Jharkhand, India Funded)</b><br/> <b>Year: March 2016 to August 2016</b><br/> <b>Location: Jharkhand Province, India</b><br/> <b>Client: State Highways Authority of Jharkhand, Jharkhand, India</b></p> <p><b>Position Held: Project Coordinator (Based in Delhi, India Office)</b><br/> <b>Main Project Features:</b><br/> 1. Engineering Procurement and Construction (EPC) Project: Construction of High Level Bridge (1600.00 m Span) over Koel River in Sundipur-Pansa Road and Approach Road in Jharkhand.<br/> 2. Widening, Strengthening/Reconstruction of Mohammadganj-Japla (on MDR 127) –Dangwar from 0.000 Km to 35.765 Km including construction of culverts and bridges in Jharkhand.</p> <p><b>Activities</b><br/> Coordinate with the team leaders and other concerned personnel deputed for the construction supervision of the projects from Head Office, Delhi for construction works carried out by the contractors.<br/> Monitoring the progress and the activities of the construction work bridge and road projects.<br/> Team management.</p> <p><b>Name of assignment or Project: Implementation and Capacity Building of Western Basin Water Resources Management Project. (Asian Development Bank Funded)</b><br/> <b>Year: March 2012 to October 2014</b><br/> <b>Location: Herat Province, Afghanistan</b><br/> <b>Client: Ministry of Energy and Water, Islamic Republic of Afghanistan, Afghanistan</b><br/> <b>Position Held: Senior Water Resources Specialist/Irrigation Engineer</b><br/> <b>Main Project Features:</b><br/> 1. Feasibility Study of Pul e Hashimi Irrigation Project of Hari Rud River (14300 Ha) in Zinda Jan and Ghuryan Districts of Herat Province<br/> 2. Feasibility Study of South Main Canal System of Hari Rud River. (27900 Ha) in Pashtun Zarghoon and Guzara Districts of Herat Province</p> <p><b>Activities:</b> Application of GIS for the preparation of the feasibility study report of the irrigation canal systems. (Irrigation system includes the structure head work, head regulator, aqueduct, cross-drainage works, bridges, etc.)<br/> Consideration of flood protection work for the surrounding of head work, along the canal system and to conserve the adjacent land.<br/> Review of hydrological analysis for the irrigation system.</p> <p><b>Collection of all data for the preparation of report for feasibility study. Completed the feasibility study report of Pul e Hashimi Irrigation Project. Completed the feasibility study report of South Main Canal. Presented the report in power point.</b></p> |

**Name of assignment or Project: Bheri-Babai Diversion Project Component A-Irrigation (80500 ha) (Government of Nepal Financed)**

**Year: Sept. 2011 to March 2012**

**Location: Nepal**

**Client: Department of Irrigation, Ministry of Irrigation, Kathmandu, Nepal**

**Position Held: Team Leader (National Consultancy)**

**Main Project Features:** Rehabilitation of existing canal system Planning of new command area for irrigation and planning of a feeder canal for Sikta Irrigation Project with the diverted water from another river with the intra-basin transfer of water concept.

**Activities:** Monitoring of Detail Design works of irrigation part and drainage and flood control, managing team works of this on-going project.

Application of GIS for the feasibility study.

**Name of assignment or Projects :**

**1. Ribb Irrigation and Drainage Project (14500 Ha Net).2. Anger Dam and Irrigation and Drainage Project (14500 Ha Net), All Projects are World Bank Funded.**

**Year: May , 2010 to March , 2011**

**Location: Ethiopia (Africa).**

**Client: Ministry of Water Resources, Federal Democratic Republic of Ethiopia , Addis Ababa, Ethiopia (Africa).**

**Main Project Features:** Multipurpose project for hydroelectric generation and provide Irrigation facilities.

**Position Held: Senior Civil / Irrigation Engineer**

**Activities Performed:**

**1.**

a)Monitoring of Detail Design and Cost Estimate of Ribb Irrigation and Drainage Project application of GIS for feasibility studies and preparing of report of irrigation part

**2.**

a) Monitored Planning, Design and Cost Estimate of Anger Dam and Irrigation and Drainage Project application of GIS for feasibility study with different options of surface, lift and pressurized irrigation systems and prepared report of irrigation part.

**Name of assignment or Project: Rani Jamara Kulariya Irrigation Project (Government of Nepal Funded)**

**Year: August 2009– May,2010**

**Location: Kailali District, Nepal**

**Client: Department of Irrigation, Ministry of Irrigation, Kathmandu, Nepal**

**Position Held: Senior Irrigation Engineer (Flexible Input)**

**Activities Performed:** Review of the environmental studies of the Rani Jamara Kulo Irrigation Project **of Kailali District of Nepal**

**Name of assignment:** Various assignments of **Building Construction Project.**

**Year: 22 July 2009 To April 2010**

**Location: Nepal**

**Client : Embassy of India, Kathmandu, NEPAL**

**Position Held: Team leader (Flexible Input)**

**Activities Performed:** Supervision of Construction of multi storied and office buildings at **different locations (Goorkha, Syangja & Lamjung Districts)**, to be constructed by the contractors for Embassy of India, Kathmandu, NEPAL.

**Name of assignment or Project:** Preparation of feasibility study report of Farah Rud Irrigation and Hydro Power Project and Kelagai Storage Dam Project of Afghanistan **(World Bank Funded)**

**Year: June 2007 – Sept 2008**

**Location : Baghlan Province, Afghanistan**

**Client: Ministry of Energy and Water, Islamic Republic of Afghanistan**

**Main Project Features:** Multipurpose project for hydroelectric generation and provide Irrigation facilities.

**Position Held: Deputy Team Leader / Irrigation Engineer**

**Activities Performed:**

- (i) Application of GIS for Planning, Monitoring of design and estimate of irrigation system of Kelagai Storage Dam Project. In the project command area there are existing canal systems and proposed irrigation system new proposed command area **18500 ha** and existing canal system **43500 ha**: collection of data of 19 existing canal system and tabulated the data of the prepared questionnaires) Kelagai, Pulekhumri, Baghlan, Afghanistan (Prepared definition report for Irrigation part **62000 ha**).
- (ii) Application of GIS for Planning, monitoring of design and estimate of irrigation system of Farah Rud Irrigation and Hydro Power Project, Farah, Afghanistan. (Prepared definition report for Irrigation part New proposed command area **102000 ha**)

**Name of assignment or Project:** Sunsari Morang Irrigation Management Division No. 1, Biratnagar (**Government of Nepal Funded**)

**Year:** March 2007 – May 2007

**Location:** **Sunsari and Morang Districts, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Maintenance of existing canal system for proper regulation and water distribution.

**Position held:** **Division Chief (Team Leader)**

**Activities Performed:** Operation and maintenance of Main Canal and Distribution Canal systems and operation of the canal includes the conveying of water from the Koshi river to the canal system by run off the river system with the consultation of water user association;

- (i) Financial and administrative responsibility.

**Name of assignment or Project:** Community Managed Irrigated Agriculture Sector Project (**CMIASP**)(**ADB funded**), Medium Irrigation Project, Pond & Sprinkler irrigation Project and Material Testing Laboratory under Eastern Regional Irrigation Directorate (**ERID**): **Multiple Projects**

**Year:** Jan 2005 – Feb 2007

**Location:** **Eastern Development Region, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Rehabilitation of existing irrigation system and construction of new (demand-driven) irrigation system with participatory approach including women participation. Train the farmers for maximum utilization of water for irrigation

**Position held:** **Mobile Team Leader (CMIASP) / Senior Divisional Engineer**

**Activities Performed:**

- (i) Monitoring of design estimate and supervision of the Irrigation projects in different districts under the Directorate and some of the irrigation projects namely in Jhapa, Morang, Sunsari, and in Udaypur Districts,
- (ii) Review and forward of the tender documents for prequalification of the contractors and tender evaluation of the Civil construction works of the irrigation projects
- (iii) In the minor irrigation scheme monitoring as well as execution of planning, survey, design and construction supervision of pond irrigation, sprinkler irrigation and drip irrigation in the hills as well in the plain area.
- (iv) Prepared annual work programme and work progress report of the Regional Directorate (including 16 (sixteen) districts under the Directorate.
- (v) Supervision of Quality Control Laboratory

**Contract Management:** Manage Procurement Works under the **ERID**

**Name of assignment or Project:** **Nepal Irrigation Sector Project. (World Bank Funded) and Medium Irrigation Projects and On Farm Water Management (Launched by FAO)** (Far Western Irrigation Development Division No. 2). (Districts under the Division are Doti, Achham and Bajura ): **Multiple Projects**

**Year:** Nov 2002 – Dec 2004

**Location:** **Doti, Achham and Bajura Districts, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Rehabilitation of existing irrigation system and construction of new (demand-driven) irrigation system with participatory approach including women participation. Train the farmers for maximum utilization of water for irrigation.

**Position held:** **Division Chief (Team Leader)**

**Activities Performed:** Planning, survey, design, estimate and construction supervision of demand-driven irrigation projects. (Construction Supervision of the structures like: Intake, Small Bridges, Aqueduct, Superpassage, Siphon (Drainage structure), Irrigation Canal Work (Lined and earthen). a) Rehabilitation of Irrigation Projects and completed 8 irrigation projects and other projects in pipeline at different

stages such as: Under construction, design, detail feasibility study, preliminary survey, etc. b) The farmers were trained to utilize irrigation water optimally under On Farm Water Management Programme.

**Contract Management:** Manage Procurement Works under Division Office

**Name of assignment or Project: Second Irrigation Sector Project (ADB funded) and River Training Project,** Under District Irrigation Office, Chitwan and District Irrigation Office Makwanpur ; **Multiple Projects**

**Year:** Nov 1998 – Oct 2002

**Location: Chitwan and Makwanpur Districts, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Rehabilitation of existing irrigation system and construction of new (demand-driven) irrigation system with participatory approach including women participation. Train the farmers for maximum utilization of water for irrigation. Develop road network for the transportation of the crops to the nearest connecting road point. Protect the command area as well as conserve the land from flood damages.

**Position held: Office Chief / Senior Divisional Engineer (Team Leader)**

**Activities Performed:**

- (i) Irrigation: Planning, survey, design, estimate and construction supervision of demand-driven irrigation projects. (Construction Supervision of the structures like: Intake, Small Bridges, Aqueduct, Super passage, Siphon (Drainage structure), Irrigation Canal Work (Lined and earthen), Suspended Bridge (for conveying irrigation water), retaining wall etc: In Yakrang Irrigation Project water was conveyed through HDP pipe to irrigate the area under command. a) Rehabilitation of Irrigation Project: Completed 7 irrigation projects and other projects were in pipeline at different stages such as: Under construction, design, detail feasibility study, preliminary survey, etc. b) Construction supervision of Suspended Bridge (108.5m span) in Namtar Irrigation Project to convey irrigation water over the Manahari River c) Conducted Training Programme (Capacity building for Institutional Development) such as Pre-construction and Operation and Maintenance. Training includes preparation of training material; arrange all the necessary things for training Programme.
- (ii) **River Training Works:** Planning, survey, design, estimate and construction supervision of flood protection works. Construction Supervision includes Embankment work, Revetment works of embankment, Spur, etc. (Bioengineering survey of East Rapti River.). Flood protection works were done for conserving the land from erosion and protect the habitant area from the flood managing natural resources also for the purpose including in the rivers Gandak, Lothar, Rapti, Manahari, Bagmati, Bakeya. (People participation and mobilization were also managed).  
**(Member: District Disaster Committee)**
- (iii) Road: Design estimate and construction supervision of small bridges and road culverts (pipe culvert and slab culvert) in Palung Irrigation Project. Survey, design, estimate and construction supervision of access concrete paved road in the command area of Palung Irrigation Project.

**Contract Management:** Manage Procurement Works under Division Office

**Name of assignment or Project: Irrigation Line of Credit Project (World Bank Funded), Nepal Irrigation Sector Project (World Bank Funded) and River Training Project,** under District Irrigation Office, Nawalparasi: **Multiple Projects**

**Year:** Jan 1996 – Oct 1998

**Location: Nawalparasi District, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Rehabilitation of existing irrigation system and construction of new (demand-driven) irrigation system with participatory approach including women participation including women participation Train the farmers for maximum utilization of water for irrigation. Protect the command area and conserve the land from flood damages.

**Position held: Office Chief / Senior Divisional Engineer (Team Leader)**

**Activities Performed:**

- (i) Irrigation: Planning, survey, design, estimate and construction supervision of demand-driven irrigation projects. (Construction Supervision of the structures like: Intake, Small Bridges , Aqueduct, Super-passage, Siphon

(Drainage structure), Irrigation Canal Work (Lined and earthen), Retaining Wall, etc., In Sankh Dev Irrigation Project water was conveyed through HDP pipe to irrigate the area of right bank. a) Rehabilitation of Irrigation Project: Completed 4 irrigation projects and other projects were in pipeline at different stages such as: Under construction, design, detail feasibility study, preliminary survey, etc. b) In Jayshree Irrigation Project tree plantation was done in the catchment area for environment protection. c) Conducted Training Programme (Capacity building for Institutional Development) such as Pre-construction and Operation and Maintenance. Training includes preparation of training material; arrange all the necessary things for training Programme

- (ii) **River Training Works:** Planning, survey, design, estimate and construction supervision of flood protection works. Construction Supervision includes Embankment work, Revetment works of embankment, Spur, etc. Flood protection works were done for conserving the land from erosion and protect the habitant area from the flood managing natural resources also for the purpose including in the rivers Gandak, Binay, Arun, Girwari, Danda.  
**(Member: District Disaster Committee)**

**Contract Management:** Manage Procurement Works under Division Office

**Name of assignment or Project: Irrigation Sector Project (ADB Funded), River Training Project** under Eastern Regional Irrigation Directorate: **Multiple Projects**

**Year:** Dec 1993 – Dec 1995

**Location: Eastern Development Region, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Rehabilitation of existing irrigation system and construction of new irrigation system (demand-driven) with participatory approach including women participation. Train the farmers for maximum utilization of water for irrigation. Protect the command area and conserve the land from flood damages.

**Position held: Senior Divisional Engineer (Team Leader)**

**Activities Performed:**

- (i) Monitoring and evaluation of the works executed of demand-driven Irrigation projects. a) Preparation of tentative cost estimate of Chanda Mohana Irrigation Project (1800.00 Ha), OPEC Funded.
- (ii) **River Training Works:** Monitoring of construction of flood protection works of the District Irrigation Offices under the directorate. a) Preparation of tentative cost estimate of Bakra River Flood Protection Works of Morang District (Length-60km.), (OPEC Funded), to protect more than 80000.00 ha of land).
- (iii) Preparation of annual work programme and progress report of the Regional Directorate (including 16 (sixteen) districts under the Directorate).

**Contract Management:** Manage Procurement Works under Division Office

**Name of assignment or Project: Pokhara Material Testing Laboratory, (Under JICA Programme),** Western Regional Irrigation Directorate (WRID), Pokhara

**Year:** April 1993 – Nov 1993

**Location: Pokhara, Kaski District Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Quality control of the construction works.

**Position held: Manager**

**Activities Performed:**

- (i) Establishment of Material Testing Laboratory in WRD under JICA Programme
- (ii) Supervision and verification of material testing works of civil construction works.

**Name of assignment or Project: Nepal Gandak Western Irrigation Project / Far Western Regional Irrigation Directorate (Government of Nepal Funded)**

**Year:** Dec 1988 – Mar 1993

**Location: Nawalparasi District, Nepal**

**Client:** Department of Irrigation

**Main Project Features:** Maintenance of existing canal system for proper water distribution and regulation. Protect the command area and conserve the land from flood damages.

**Position held: Project Manager / Irrigation Engineer/Civil Engineer (Team Leader)**

**Activities Performed:**

- (i) Irrigation: Supervision of construction and repair and maintenance of structures. Operation and maintenance of irrigation system. Manage water distribution in the main canal and distribution canals with consultations of the farmers.
- (ii) **River Training works:** Design, estimate and construction supervision of flood protection works mainly spur in the command area in different places. **(Member: District Disaster Committee)**
- (iii) Road: Design, estimate and construction supervision of canal roads
- (iv) (i): Checking of design and estimate of Irrigation Projects under the Directorate. Supervision of construction of flood control works

**Contract Management:** Manage Procurement Works under the Project

**Study M.E. Course at University of Roorkee, Roorkee, India**  
**Year: Jul 1987 –Nov. 1988.**  
**16<sup>th</sup> International Course (Government Nominee)**

**Name of assignment or Project:** Western Koshi Lift Canal Irrigation Project **(Government of India Grant)**

**Year:** Nov 1986 – Jun 1987

**Location:** Saptari District, Nepal

**Client:** Department of Irrigation, Hydrology and Meteorology (DIHM)

**Main Project Features:** Construction of new canal system for irrigation

**Position held: Irrigation Engineer/Civil Engineer**

**Activities Performed:** Design, estimate and construction supervision of irrigation canal and its related structures.

**Name of assignment or Project: Chitwan Irrigation Project (ADB funded) / Mid-Western Regional Irrigation Directorate; Multiple Project**

**Year:** Jan 1984 – Oct 1986

**Location:** Chitwan District and Banke District, Nepal

**Client:** Department of Irrigation, Hydrology and Meteorology

**Main Project Features: Main Project Features:** Rehabilitation of existing irrigation system and construction of new irrigation system.

Develop road network for the transportation of food grains. **Protect the command area and conserve the land from flood damages.**

**Position held: Irrigation Engineer/Civil Engineer**

**Activities Performed:**

- (i) Irrigation: Planning, survey, design and estimate of Lothar Irrigation Sub Project
- (ii) **River Training Works:** a) Planning, Survey, design, estimate and tender evaluation of Lothar Flood Protection Dyke. b) Tender document preparation for Lothar Flood Protection Dyke. c) Planning, survey, design, estimate and construction supervision of flood protection works (Construction of Spur, Studs, revetment and earthen embankment).  
**Road:** Planning, survey, design, estimate and construction supervision of for road network development of gravel roads and related structures. (iv)

**Building:** Construction supervision of office building and residential quarters for colony development.

- (iii) (i) **Irrigation:** Estimate of Kaprecha Irrigation Project  
**River Training Works:** a) Supervision of construction of flood protection works in West Rapti River. b) Assessment of Flood Damage by Karnali river and Rapti river.

**Contract Management:** Manage Procurement Works of the Project

**Name of assignment or Project:** Sunsari Morang Irrigation **Project (World Bank funded); Multiple Projects**

**Year:** Oct 1981 – Dec 1983

**Location:** Sunsari District, Nepal

**Client:** Department of Irrigation, Hydrology and Meteorology (DIHM)

**Main Project Features:** Construction of new additional structure and maintenance of existing system for proper regulation and distribution of water.

**Position held: Irrigation Engineer/Civil Engineer**

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|  | <p><b>Activities Performed:</b></p> <p>(i) <b>Irrigation:</b> a) Design, estimate and supervision of construction works of earthen bank of Chatra Main Canal by earth moving equipment. b) Construction supervision of Siphon Structure of Chatra Main Canal. c) Supervision of Desilting works by earth moving equipment of Chatra Main Canal.</p> <p>(ii) <b>Road:</b> a) Survey, design, estimate and construction supervision of gravel road. b) Design, estimate and construction supervision of road structures.</p> <p>(iii) <b>Building:</b> Construction supervision of office building and residential quarters for colony development.</p> <p>(iv) Supervision and verification of material testing works of civil construction works.</p> <p><b>Name of assignment or Project:</b> Bhairahawa Lumbini Ground Water Project<br/> <b>(World Bank Funded): Multiple Projects</b><br/> <b>Year:</b> Jan 1979 – Sept 1981<br/> <b>Location:</b> Rupandehi District, Nepal<br/> <b>Client:</b> Department of Irrigation, Hydrology and Meteorology (DIHM)<br/> <b>Main Project Features:</b> Construction of new irrigation system to provide irrigation water by ground water scheme. Develop road network in the command area for transportation of the crops to the market.<br/> <b>Position held: Irrigation Engineer/Irrigation Engineer</b><br/> <b>Activities Performed:</b></p> <p>(i) <b>Irrigation (Ground Water):</b> Planning, survey, design, estimate, tender evaluation and supervision of construction work of irrigation systems under deep tube-well (Ground water) scheme. (Completed Civil Works of twelve (12) tube-well irrigation systems).</p> <p>(ii) <b>Road:</b> a) Planning, surveys, design, estimate and tender evaluation and construction supervision of gravel roads for road network development within the project area. b) Design estimate and construction supervision small bridges (including multi-span) slab culverts and pipe culverts.</p> <p><b>Name of assignment or Project:</b> Narayanit Zone Irrigation Development Project<br/> <b>(World Bank Funded)</b><br/> <b>Year:</b> Nov 1976 – Dec 1978<br/> <b>Location:</b> Bara District, Nepal<br/> <b>Client:</b> Department of Irrigation, Hydrology and Meteorology (DIHM)<br/> <b>Main Project Features: Main Project Features:</b> Rehabilitation of existing irrigation system and construction of new irrigation system.<br/> <b>Position held: Irrigation Engineer/Civil Engineer</b><br/> <b>Activities Performed:</b></p> <p>(i) Irrigation: Planning, survey and design of Irrigation Block (Irrigation and Drainage System). Design, estimate and tender evaluation of Cross-Regulator Structures with foot Bridge.</p> <p>(ii) Road: Maintenance of Canal road.</p> <p><b>Name of assignment or Project:</b> Design of Dharan – Dhankutta Road <b>(UK Government Funded)</b><br/> <b>Year:</b> Aug 1976 – Oct 1976<br/> <b>Location:</b> Kathmandu, Nepal<br/> <b>Client:</b> Department of Roads, Government of Nepal<br/> <b>Main Project Features:</b> Design of the Road<br/> <b>Position held: Design Engineer/Civil Engineer</b><br/> <b>Activities Performed:</b> Involved in the design of Dharan-Dhankuta Road.</p> |
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**\*Superintendent Engineer = Joint Secretary, Senior Divisional Engineer/Division Chief/Office Chief = Team Leader**