CURRICULUM VITAE (CV)

Contract Administration and Management Specialist Arbitrator		
Bhola Chhatkuli		
Nepali		

Education

- M. Sc. in Water Resources Engineering, Institute of Engineering, Pulchowk Campus, Tribhuvan University (TU), Nepal, 2001, (1999 – 2001) on the Scholarship of Ford Foundation, Delhi.
- M. Sc. in Civil Hydraulic Engineering (Hydraulic Engineering Construction of River Structures and Hydro-Power Station, Gidrotekhnicheskoe Sorujenie -1203) from Belarusian Polytechnic Institute, Minsk, Former USSR (1979 1984)+ 1978 one year preparatory course.
- Architectural engineering, certificate level, Institute of Engineering, Pulchowk Campus, Nepal (1974-1976)

Other Training:

- One-week training on Procurement and Contract Management organized by IPTM, Kathmandu, May 2021
- One Week Training on "Construction Management and Dispute Settlement"- Organized by Nepal Council of Arbitration (NEPCA) 2018
- "Contract Administration, Dispute Resolution and Arbitration" Jointly organized by NEPCA & CIPIC, (May, 2005)
- Benchmarking of Sunsari Morang Irrigation Project (60,000 ha), Using software "Tool Kids" organized by World Bank/Department of Irrigation, Nepal December, 2004
- International Water Management Course (IWMC) on River Management focusing on decision making process, organized by EAWAG, Swiss Federal Institute for Environmental Science and Technology, Zurich. (Sep.28 – Oct.1, 2004)
- Quality control of construction works organized by JAICA and Department of Irrigation, Nepal December 2001
- 6 weeks Management Training, jointly organized by Nepal Administrative Staff College/Irrigation Management Project, Lalitpur. November-December 1993;
- Study Visit on Farmers Participation, in Small Scale Irrigation Development, held at National Irrigation Administration, Philippines, organized by ILO. August 1992:
- One-week training on Goal Oriented Project Planning (ZOOP). July 1992, and one week in July 1991
- Two weeks Training/workshop on "Processes Approaches on Implementation Issues", organized by ILO Special Public Works Program (SPWP). July –August 1992.,

Employment Record relevant to the assignment:

Period	Employing organization and Title/Position / Contact information for references	Country	Summary of activities performed relevant to the Assignment
2020 to date	Freelancer and also working for PRECAR Consultancy P. Ltd.	Nepal	Worked and Involved in different Arbitration cases as an Arbitrator in accordance to NEPCA procedures: (i) Proposed as DAAB Member on behalf of GYC-TUNDI JV in Contract "Upgrading of Talchowk-Begnas Road, RFB No: NP-DUDBC-167805-CW-RFB, 2021 (ii) Proposed as Arbitrator and Adjudicator/Arbitrator from Bajra Guru P. Ltd in contract 337320-4/15/072-73 Employer- Road Division Dang, 2021 (iii) Arbitrator (NEPCA): Contract MM/W/NCB/01/074-75, Cont. Bajra Guru P. Itd and Madi Municipality. Sankhuwasabha, 2019

			(iv) Arbitrator (NEPCA): conflict between Cont. Bajra Gur P. Lit and Employer: IDO, Manthali, Ramechhap. Contract ID: IDORMC/W/NCB/01/075-76, 2020 (v) Litigation: Office Chief, DIO. Nuwakot: Conflict between Darshan Tar Irrigation Canal Users, and lower down/stream old canal users. Issue reached up to Supreme Court. I have submitted the technical evidence through the Attorney General Office. I was fully involved in the litigation process from the beginning to end. Finally. I had settled the conflict between the upper and lower water users as Mediator/Project Chief referring the Court order and technical evidences. Support PRECAR Consultancy P. Ltd as and when required.
March 2018 to Dec 2019	Employer: PRECAR Consultancy	Nepal	Since March 2018, Dec 2019 also working as Sediment Management Engineer (Individual Consultant) for the preparation of "River Training & Management Manual" - contract taken by PRECAR
Jan 2017 to February 2018	Employer: Landell Mills in association with FB and PRECAR Consultancy Position: Deputy Chief Construction Supervisor/FIDIC Engineer's Representative Project/Contract: Bagmati River Beautification Work under Bagmati River Basin Improvement Project, Kathmandu valley, BRBIP/ADB Contractor: M/S Kalika-Ranken-Lama JV, Kathmandu (ICB)	Nepal	Overall Contract Administration and Management including monitoring & construction supervision and quality control of the construction works; review of contractor's submittals, approval of construction drawings, review of progress and quality of works in line with agreed work schedule, specification and identification of issues (if any) and measures to speed up the work and preparation of monthly and other periodical progress reports and submission to the Client BRBIP. Dispute and Contractor's Claim settlement Review of design of weir, small bridges and different river management and beautification structures Contract Value: One Billion, nine hundred two million Nepali rupees (NPR1,902,858,770.95)
May 2015 - Dec 2016	Support Program for the April Earth victims for the construction of 61 Shelf	quake Victims, er-houses and	onsultancy and Research (P) Ltd, Nepal Nepal (A family Project) Supported Nepal's EQ completed 58 and handed-over to 58 families, in n of 7 ECD schools and handed over to community.
March 2011 - to: March 2015	Employer: EGIS International Position: Team Leader/I & D Engineer (FIDIC Engineer) Land Improvement Project, Funded by ADB Contact: Thierry Delobel, thierry.delobel@egis.fr	Uzbekistan	Overall technical vision, leadership, project management and implementation, and responsible for overall contract administration and management of 9 ICB Contracts for *Primary and Inter-farm Collectors Systems" in 3 provinces as Engineer. Each ICB Contract having more than 12 million USD -"Engineer" FIDIC. Responsible for Dispute Management & Resolutions, contract implementation, particularly on progress of work, Quality of work and Payment issues. Claims & Compensation and Environmental mitigation & management and other Technical issues. 3 NCB Contracts each having 1.2 million USD for: pilot On-Farm irrigation systems in 3 Provinces, Navoi, Bukhara and Kashkadarya.
August 2009 to: February 2011	Employer: EGIS International Position: Chief Construction Supervision Engineer/Engineer's Representative Contact: Thierry Delobel, thierry.delobel@egis.fr	Uzbekistan	Overall monitoring & construction supervision and quality control of the construction works, recommendation of Contractor's Invoices, preparation of tender document, BoQ and Technical Specification of Works for the tender purposes-"Engineer's Representative"-FIDIC

From: July 2007 to: June 2009	Employer: Cardno Agrisystems Position: Hydraulic Engineer Int. (Chief, Takhar Province), Amudarya River Basin Program, funded by European Commission Contact: Supervisor: Michael Hawkes <mhawkes1@aol.com></mhawkes1@aol.com>	Afghanistan	EC funded Project: Identification of irrigation schemes, Detail Design, Cost Estimates, Bill of Quantities (BOQ), Evaluation of contractors' Bid, contract award, Monitoring & supervision of construction works (30 schemes- 28,600ha, 10 million Euros), EC guidelines and FIDIC Engineer's Representative. Responsible for the Quality and Progress of work, settlement of Contractor's Claims & compensation.
From: June 2006 to: June 2007	Employer: Pacific Consultants International (PCI) Position Provincial Irrigation Engineer -2 (International) Emergency Irrigation Rehabilitation Project, Funded by JAICA/ADB Contact: Supervisor: Robert Wilkens <rwilkens@telfort.nl></rwilkens@telfort.nl>	Afghanistan	 Preparation of detail design & drawings of Irrigation Water Control, Conveyance structures, Protection & Distribution Structures. Preparation of Cost Estimates, BOQ, and implementation of i. Daulatabad/Qarshi Gak Canal (31 km), ii. Balkh Canal (11km) iii. Siah Gerd Canal (37 km) and iv. Abdullha Canal (72 km). Contract administration n management, construction supervision (FIDIC Engineer), settlement of Contractor's claims, maintain the quality and progress of work following the Contract Agreement. Responsible for farmers' needs findings work,
From: February to: May 2006	Employer: Policy Implementation and Monitoring Section, Planning Division of DOI Position: Senior Irrigation Engineer Contact:	Nepal	and finalization of rehabilitation plan " Checking and verifying the feasibility reports of new irrigation systems. " Preparation of "Design Procedure Guidelines for Hill Irrigation Systems". " Preparation of "guidelines-manual" for the design of Appropriate Headwork / Intakes for small scale mountainous river/streams.
From: October 2005 to: January 2006	Employer: Relief International, Los Angeles/DAI/USAID Position: Senior Irrigation Engineer (International), Cash for Work, Jalalabad/Conflict Country.	Afghanistan	Identification of irrigation rehabilitation projects, preparation of detail design & estimate, BOQ, contract agreement, and implementation of Irrigation Rehabilitation Works, in approximiately 6000 ha, following USAID emergency works guidelines.
From: January 2004 to: September 2005	Employer: Policy Implementation and Monitoring Section, Planning Division of Department of Irrigation, Lalitpur Position: Senior Irrigation Engineer	Nepal	Assist the Deputy Director General for monitoring the programs conducted under Department of Irrigation (DOI), preparation of progress report and Worked as a member of Contract Evaluation Committee of the Planning Division of the Department of Irrigation.
From: Nov 2001 to: Dec 2003	Employer: District Irrigation Development Office, Dhading. (SSIP) Second Irrigation Sector Project funded by ADB Position: Chief of the Office/District- Irrigation Engineer		Preparation of project appraisal reports, contract administration and management, construction supervision of 6 new small sub-projects, institutional development and O&M for 27 irrigation systems. Responsible for settlement of Contractor's Claims, Dispute settlement between the water users and maintain progress and quality of work.
From: July To: October 2001	Employer: Department of Irrigation (DOI), Research and Human Resources Development Branch Position: Irrigation Engineer	Nepal	Facilitate the training programs and research works
From: May 1999 to: June 2001	Employer: Institute of Engineering. Pulchowk Campus, Tribhuwan University Position: On Leave for M. Sc. study in Water Resources Engineering.	Nepal	During Study leave, worked as freelancer/consultant, and Conducted: Impact study of NISP (World Bank funded) projects and research work on "The study on Appropriateness of Head Works in different ecological regions of Nepal"
From: January to: May 1999	Employer: Western Regional Irrigation Directorate, Position: Irrigation Engineer of Mobile Irrigation Team of the region, NISP. Funded by WB	Nepal	Checking of design & cost estimate, reviewing of technical specification, tender documents. Assisted Director for monitoring construction works in terms of quality and progress implemented in the region by District offices.
From: Jan 1996 to: Jan 1999	Employer:/Bagmati Irrigation Project/DOI Position: Senior Irrigation Engineer/Chief of the Contract Administration and Management Unit. Funded by Saudi Fund for	Nepal	Bagmati Irrigation Project (BIP) Contract Administration and Management Unit (CAMU) Chief: Responsible for the Preparation of Contract Documents, Tendering, Bid Evaluation and recommendation for the Contract Award following the SFD (Saudi Fund for Development) Guidelines. Checking and Certification of Completion Report

v	Development (SFD), Saudi Arab		of all contracts completed under SFD fund. * Construction supervision at finishing stage of Bagmati Barrage, Sarlahi, including Defects Liability Period and O&M of Head-Works (403 m Long Barrage), O & M of East 48 m3/sec and West Main Canals 64 m3/sec. * Negotitation/ Dispute Resolution of Contractor's claims with CHIECO, the Chinese Contractor for
			Barrage gates rehabilitation, agreed on the list of works to be rectified/maintained in the Bagmati Barrage, during Defect Liability Period. Finalization / Preparation of Final Bill and Completion Report. Detail design and construction supervision of Bahuary Branch Canals and Command Area Development works packages 7, 13, & 14.
From: Nov 1992-1996	Employer: Department of Irrigation Position: Chief of the Office /Nuwakot District / Irrigation Engineer	Nepal	Irrigation Sector Project (ISP) Technical, financial and administrative management and construction supervision of the (7) sub-projects implemented in the districts. Preparation of appraisal reports O&M of the Irrigation Systems. Responsible for Contract administration management/settlement of Contractor's Claims
From: Aug 1989-1992	Employer: Department of Irrigation, Western Region Irrigation Directorate, Nepal Position: Office Chief/District Irrigation Engineer, Parbat: Dhaulagiri Irrigation Development Project (DIDP), funded by DANIDA/ILO	Nepal	Dhaulagiri Irrigation Development Project Total technical, financial and administrative management and construction supervision of the project implemented in the district. Preparation of project appraisal reports, Detail design & cost estimates, O & M. Implementation of projects in participatory approach. Contract administration and management, construct supervision/Contractor's Claim settlement
From: Aug 1985 to: July 1989	Employer: Department of Irrigation, Western Region Irrigation Directorate, Nepal. Position: Irrigation Design & Construction Supervision Engineer Rampurphant Hill Irrigation Project, funded by ADB	Nepal	Rampurphant Hill Irrigation Project (22 km, 775 ha) Detailed Design of Headworks, water control, conveyance canal structures, contract management & administration, construction supervision and quality control of the construction of Headworks, Main Canal and Main Branch Canal BC No2, under 1st Hill Irrigation Project, the first contract with FIDIC Contract Document/clause & Condi. Dispute settlement with Contractor on Price Escalation issue
From: Nov 1984 To: July 1985	Employer: Department of Irrigation, Western Region Irrigation Directorate/ILO Position: Irrigation Design and Construction Supervision	Nepal	Rainas Tar Irrigation Project: Engineer Responsible for Planning, design, and preparation of cost estimates and Bill of Quantities (BOQ) of Main Canal and 4 Branch Canals, supervision of Canal construction works and main office building.
From: May 1980 to: Sept 1983 ⁵	Employer: Belarusian Polytechnic Institute Position: Trainee Engineer	Belarus	Different tasks related to organization of construction works for Hydraulic infrastructure river bank protection, reservoir construction.

Membership in Professional Associations and Publications:

- Life Member of Nepal Council of Arbitration (NEPCA) no. 234
- Nepal Engineering Council Registratation No: 1591 Civil A category
- Life Member of Nepal Engineers' Association (NEA)
- Life Member of "International Network on Participatory Irrigation Management", Nepal Chapter
- Life Member of Society of Irrigation Engineers' Nepal.
- Life Member of "Mitra Kunja" (Friends Club) Alumni Association of CIS Graduates

PUBLICATION:

- "Sedimentation Process in the Nepali Rivers and its Consequences on the Irrigation Systems" Proceedings of International Seminar on Challenges to Farmer Managed Irrigations Systems held on 28 and 29 March 2000, Kathmandu, Nepal.
- Poor Operation and Maintenance of Public Projects A Major Issue in Nepalese Development. Published in "Ankhuko Shuseli" Yearly Publication, Kamachari Milan Kendra, Dhading, 2002.
- "Suitable Intake Structure in Small Scale Mountainous Rivers/Streams and Water Governance". Proceedings of International Seminar on "Farmer Managed Irrigation Systems and Governance Alternatives" held on 9 – 10 September 2004, Kathmandu, Nepal.
- Paper on "Water Users' Association and Irrigation management in Afghanistan" November, 2005.

Languages:

ReadingSpeakingWritingNepaliMother TongueEnglishExcellentExcellentExcellentRussianGoodGoodGood

Experts contact information: [email: b_chhatkuli@yahoo.com; +997 9851218900]

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

Name of expert: Bhola Chhatkuli (b_chhatkuli@yahoo.com) Signature:

Date: 17June, 2021

Specific Experiences

A. Adjudication / DB Experience:

Attended Cases as Co-Arbitrator:

- Arbitration Case I: Error in Contract Agreement "Price Adjustment Provision" SCC (GCC) 53.1, 53.6 and 53.7 Case is registered in Nepal Council of Arbitration Claimant Contractor: "M/S Bajra Guru Rajendra J/V" Kupondole, Lalitpur, and Respondent Respondent/Employer: Infrastructure Development Office, Manthali, Ramechhap, Contract no. IDORMC/W/NCB/01/075-76. Upgrading Works of Road ch.0+000-7+625km, 2020
- Arbitration Case II: Payment against the Price Adjustment Provision, case is registered in NEPCA, Claimant Contractor: "M/S Bajra Guru Construction Company P. Itd Respondent/Employer: Madi Municipality, Madi, Sankhuwasabha Contract Work: Ram Mandir Okherbote Road Construction-Contract ID: MM/W/NCB/01/074-75, (2019)
- Proposed as DAAB Member on behalf of GYC-TUNDI JV in Contract "Upgrading of Talchowk-Begnas Road, RFB No: NP-DUDBC-167805-CW-RFB, 2021
- Proposed as Arbitrator and Adjudicator from Bajra Guru P. Ltd in contract 337320-4/15/072-73 Employer- Road Division Dang, 2021. Now, I am Continuing to advice the both parties to reach in an amicable solution referring the existing law and regulations and following the Contract Agreement Documents. If the parties failed to reach in an agreement to settle the dispute, then will go for arbitration following the NEPCA Procedures.

A. Litigation:

 Darshan Tar Irrigation Rehabilitation Sub-Project, Nuwakot under Irrigation Sector Project, DOI funded by ADB – Water Right Issue Between the Lower and Upper Water Users and Contractor's Claim (2049 B.S.)

Construction work was started on 2049 BS under District Irrigation Office, Nuwakot. Water distribution and control structures were started by the Contractor and remaining mainly earth- work was carried out by the User's Committee.

Lower Riparian (D/S) users claimed on the whole source of water (water right issues) and stopped the whole construction work of the sub-project. Being the Chief of District

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Irrigation Authority Office/ as Sub-Project Manager of the sub-project, I had organized several negotiations, dispute settlement meetings between the upper new users and lower old canal users, and advised both parties for the settlement of disputes but could not reach in an agreement.

Albeit, my continuous efforts to reach in an amicable solution, the Lower Riparian Users submitted a writ-application in the Supreme Court claiming the right on the whole water source demanding for the "stay order" to stop the work and project as a whole. Being a Technical Expert and the Chief of District Irrigation Authority Office, I was fully involved in the litigation process from the beginning to end. I have prepared the reply with the technical evidence submitted to the Supreme Court through the Attorney General Office. During the hearing, I was present in Court. The Supreme Court canceled the writ submitted by the Lower Users. Obviously, they were furious reading the decision of court but finally came to District Irrigation Office (me) requesting for the dispute settlement. At last with hard and tough efforts, taking the help of District Development Committee's President and District Administration Office (CDO), I was able to convince both parties to agree on a concrete proposal in water sharing and lastly, they reached in an amicable agreement on my (District Irrigation Office chief's) proposal on water sharing. Thus, finally the water right dispute was settled in my witness and counselling.

Later on, the Contractor also submitted claims for the compensations; (i) Additional Cost and Time extension referring the disturbances created by the Lower Users, making the project's future more difficult. Again, taking the help from DDC President & district offices and following the contract agreement document, I was able to settle the Contractor's Claims just agreeing on the demand of Contractor for Time Extension.

B. Number of Cases as a Counsel and Witness:

 Dispute arises in Contract: LIP-SW-ICB-307-307: "Rehabilitation Dul-Dul Primary and Inter-farm Collector Drains, Navoi Province, Uzbekistan funded by ADB" - Contract Termination Issue

The construction work was started on 13 of January 2011 with a construction period of 660 calendar day completion period. However, Contractor LLC "Jayhun" delayed the work and could complete only 60 percent of work on the intended completion date. The Employer terminated the Contract referring that Contractor did not commence the work as per the agreed work schedule & program and asked the engineering supervision team to seize the contractor's materials and equipment in site.

A huge dispute was arising on between Contractor and Employer. Contractor had approached the donor (ADB) and Adjudicator (PCC_GCC 23.1: Republic of Uzbekistan State Committee on Architecture and Construction), also gave the warning that they will to go to Court for justice.

However, being the Loan Consultant Team Leader consulted with the Contractor and Employer to avoid the Court issue. As an international contract management expert, I talked to the Contractor and Employer and both parties agreed to sit in the negotiation and settle all the disputed issues amicably

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through the negotiations. I contributed as a neutral mediator to settle all disputed issues between the Contractor and Employer.

Following the contract document, I had issued a certificate for the value of work done by the contractor (GCC 58) on 3 June 2014. All contractual issues after the termination, including account settlement were resolved amicably by the contractor and Employer in my witness and recommendations.

2. Amu Zang Irrigation Rehabilitation Project, Uzbekistan funded by ADB (2010)

Amu Zang Irrigation Rehabilitation Project is the first ADB funded irrigation project in Uzbekistan. It was started in 2005 signing the Loan Agreement on 2 November 2004. Particularly this contract was started on 2008. During the construction, Employer could not provide the working area / Site possession to the Contractor as the Provincial Government (Governor) did not allow the Project Implementation Team to close the Pump station and irrigation water supply in canal. Contractors were unable to receive the working area-possession of site and lost the time (more than two years) and also resources. Subsequently, Contractors submitted huge claims for the compensation. Thus there was dispute, and dispute between the Employer-Contractor - Consultant (Engineer). Working as Loan Consultant Team Leader/Engineer in another Irrigation & Agriculture development project under the same donor and same Ministry, Ministry approached me to support the Dispute Settlement Team of Ministry, for advising all parties (Project Implementation Office/Local Government- Contractor-Consultant (Engineer)) to resolve the dispute for the smooth continuation of work (2010). Number of times, I had consultation meeting with the Ministry's Dispute Settlement Team. They had organized number of meetings with the Contractors and discussed on the settlement of disputes and finally advised Contractor/Project Implementation Office for the (i) preparation of work schedule considering the urgent water supply needs in canal, (ii) Provide time extension that was lost by the contractor due to unavailability of Possession of Site, (iii) Continue the Price Adjustment Provision of Contract during the extended period too, and (iv) Facilitate the contractors for the speeding up the construction activities in all time, so that they can complete the work in time. The disputes that were arises on mainly due to the unavailability of Site Possession to the Contractor, were resolved satisfactorily in my witness and counselling too.

3. Rampur Phant Hill Irrigation Project, Palpa, funded by ADB (One of the largest Hill Irrigation Project, in Western Region) – Price Adjustment Issue (1987)

Rampur Phant Hill Irrigation Project was started on 2040-041 BS and completed on 2047 under the finance of ADB. There was Price Escalation Provision in the Contract, probably first contract document with this provision under the Department of Irrigation (DOI) project.

Contractor Sherpa Construction Company P. Ltd. requested for the payment against the Price Escalation Provision. However, there was no specific formula or procedures in the contract document for the calculation of escalated amount. More, many DOI personnel also have no experience and idea for finalizing the escalated amount, and there was a big dispute on the Contractor's claimed amount. But the Contractor continue to pressurize the office for the payment of escalation amount submitted by them. More, there was no provision in the contract for the arbitration. Later on, Contractor sent warning letter to the Project Office, mentioning that they cannot continue the work until the Project Office pay the claimed amount and also can go to the court for justice.

At this stage, number of claim settlement meetings were held between the Project Office and Contractor and finally reached in an agreement on the procedures for the calculation of escalation amount referring

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the rate of materials and labor at the time of Bid submission and rate at the time of bill submission. I was one of the key person from the Project Office involved in the whole process to settle this dispute reaching in an amicable agreement. In this way, the Dispute on Price Escalation calculation issue was settled with the Contractor in my witness and involvement.

4. Contract: Rehabilitation of Bagmati Barrage Gates (412 m long) with Mechanical Accessories and Control room under Bagmati Irrigation Project, Sarlahi.

The Devastating flood occurred in July 1993 (2050 BS) heavily damaged the just completed barrage gates, control room, river bank protection works u/s and d/s of barrage and washed away Contractor's six Chinese personnel and hundreds other. The ICB International Contractor of this work was from China; CHIECO. A full rehabilitation of these damaged works was urgently required. Therefore, the rehabilitation contract was also awarded to the same contractor CHIECO.

During the Preparation of Final Payment Bill in 2054 BS, Contractor submitted several claims including the compensation referring the last devastating floods and warned the employer to go to the International Arbitration.

Several negotiations meetings with the Contractor were conducted for the settlement of Contractor's Claims. Being the Chief of the Contract Administration and Management Unit of the Bagmati Irrigation Project, I was one of the key expert involved in the settlement process of the Contractor's Claims. Referring the Contract Agreement Document, then existing procurement law and regulations, taking the consent from the donor "Saudi Fund for Development" all Contractor's claims were settled amicably and avoided the cases from arbitration. Thus involved as witness and also expert in the claims settlement process from the beginning to end.

Bhola Chhatkuli

Contract Management and Administration Specialist