1. NAME : NIRANJAN PRASAD POUDEL

2. ADD. ACADEMIC QUALIFICATION: M.Sc. in Construction Management with thesis in

"Computer Aided Structural Designs and Its application in Construction Management", Nepal Engineering College – , Pokhara University,

Nepal, 2002 (Evening Shift).

- B.Sc. (Mathm, Stat Distinction, Physics)-T.U.1974, Mathematics, Physics)-T.U.1974

3. WORK EXPERIENCE

(EXPERIENCE IN ADJUDICATION) :

3.1 FROM JANAURY 2020 : FEBRUARY 2022

EMPLOYER : NEPCA POSITION HELD : Adjudicator

DESCRIPTION OF DUTIES : Dispute in Construction of Health Post Building

of, Surkhet

Contract No: 07/067/68 ,Employer is Federal Project Implementation Unit, Surkhet. Contractor or (Claimant ) is M/S GM Construction Pvt.Ltd., Kathmandu to give decision for Extension of Time, Partial Payment & non payment of IPCS, illegal

termination of Contract.

3.2 FROM JANAURY 2020 : FEBRUARY 2022

EMPLOYER : NEPCA POSITION HELD : Adjudicator

DESCRIPTION OF DUTIES : Dispute in Construction of Health Post Building

of, Jajarkot.

Contract No: 09/067/68 ,Employer is Federal Project Implementation Unit, Surkhet. Contractor or (Claimant ) is M/S GM Construction Pvt.Ltd., Kathmandu to give decision for Extension of Time, Partial Payment & non payment of IPCS, illegal

termination of Contract.

3.3 FROM JULY 2018 : DECEMBER 2018

EMPLOYER : NEPCA POSITION HELD : Adjudicator

DESCRIPTION OF DUTIES : Dispute in Upgrading of Dhading -Gorkha

Road, (Dhadingbesi-Ankukhola Section).

Contract No: EEAP/NCB/DG/01(KM 00+000 to KM 12+000). Employer is Project Directorate (ADB), Bishalnagar, Department of Roads. Contractor (Claimant) is M/S Lama Construction Company (Pvt.) Ltd, Kathmandu. To give decision for time

extension of Project by 258 days, is justifiable or

not?.

3.4 FROM MARCH 2002 : JUNE 2002

EMPLOYER : Bagmati Area Sewerage Construction

**Project** 

POSITION HELD : Adjudicator

**DESCRIPTION OF DUTIES**: Dispute Was Between High Powered

Committee For Implementation and Monitoring of the Bagmati Area Sewerage Construction /Rehabilitation Project (BASP) & Nepal Consult (P) Ltd.The problem was solved by me working as an

Adjudicator.

(EXPERIENCES AS ARBITRATOR)

3.5 FROM NOVEMBER 2021 : TILL DATE

EMPLOYER : NEPCA POSITION HELD : Arbitrator

DESCRIPTION OF DUTIES : Dispute in Construction of Steel Bridge Over

Marsyangdhi River at Bhoteodar in Lamjung

District.

Contract No: 29-2064/65 ,Employer is Department of Roads, Government of Nepal (Claimant ) is M/S Mahalaxmi,/Ashish/Pacific/Machapuchhre/Uttam JV. to give decision for Extension of Time, Partial Payment & non payment of IPCS,illegal

termination of Contract.

3.6 FROM JULY 2017 : JANAURY 2018

EMPLOYER : EGIS (India) Pvt. Ltd JV Partner EGIS Structure

and Environment, Modern Engineers Planners

and Consultant Ltd.

POSITION HELD : Team Leader

**DESCRIPTION OF DUTIES**: Construction of Bridge Over Teesta River in

Gaibandha, at Bangladesh. My involvement was in, Reviewing designs, revising cost estimate, preparing tender documents of 1490m long Prestressed Concrete Girder Bridge, Hammer

head Pier with Bored Concrete Piles.

3.7 FROM JAN 2007 : TO OCTOBER 2008

EMPLOYER : Kopan Gumba.

POSITION HELD : Team Leader/Structural Engineer (Part Time)

**DESCRIPTION OF DUTIES** : Structural analysis, design, construction

supervision, quality control of the following

projects:

- Khacho Ghakhil Ling Nunnery (Ani Gompa) high load, long span RCC frame and multi storied building.
- Kopan School building, (Kopan Monastery)RCC frame, multi storied building.
  Earthquake analysis was done by Static
  method. Structural Design was done by BUSD
  2006.Earthquake detailing of reinforcements
  were followed, For Concrete design
  IS456:2000 was followed. For earth quake
  Nepalese code were followed.
- Got the claim for breaching of agreement by the substitute of previous construction chief of Gompa.

3.8 FROM December 1997 : TO July 1999

EMPLOYER : ITECO Nepal (P) Ltd.

POSITION HELD AND Structural Engineer for the construction of

Birgunj - Kalaiya Road Project (15 km) funded

by World Bank.

**DESCRIPTION OF DUTIES** : Construction supervision of Bangari Bridge (Length

59 m) and Dudhaura Bridge (Length 59 m) having well foundations, river training works, approach roads, DBST, drainage and cross drainage structures. Checking interim payment certificates and other claims. Was responsible for the quality

control of bridges and approach roads.

Checking and resolution of claims submitted by the contractor.

3.9 FROM November 1996 : TO November 1997

EMPLOYER : ITECO Nepal (P) Ltd.

POSITION HELD AND Structural Engineer, Reconstruction of Samari

Bridge, Bagjhora River Crossing and Bhainse – Hetauda Road (12 km Double Lane) Project (RSBB), co-financed by Germany through KfW

DESCRIPTION OF DUTIES : Detailed design, construction supervision,

preparation of construction drawings and design reports for 150..0 m long Samari Bridge, Flood ways, composite deck slab, cross drainage works, retaining structures, and Bagjhora River Crossing of the Project. Checking interim payment certificates, Responsible for management in absence of Team Leader and quality control of above

mentioned structures. (Code was DIN)

Checked the claim submitted by the

contractor.

3.10 FROM NOVEMBER 1992 : TO OCTOBER 1996 (PART TIME)

EMPLOYER : Technical Interface
POSITION HELD AND Structural Engineer

DESCRIPTION OF DUTIES : Design of Hotel Dwarika, Battias Putali, IJ plaza

(RCC frame with flat plate floors),etc at Durbar Marga, Kathmandu, **Hotel Dwarika is in World Book of Records.** Flat Plates are very rare buildings. So many problems come during design & Construction. Checked the claim submitted by the

Contractor.

3.11 FROM DECEMBER 1986 : TO DECEMBER 1990

EMPLOYER : CEMAT Consultant (P) Ltd.

POSITION HELD AND : Structural Engineer

DESCRIPTION OF DUTIES : Structural Analysis, Design, quantity estimate

and preparation of tender documents of Nepal Rastra Bank Building Dhangadi having underground Vault the largest building of Dhangadi. Prepared the counter claim

document. A big issue was occurred.

# (PROFESSIONAL EXPERIENCE RELATED TO THE EDUCATION)

3.12 FROM NOVEMBER 2021 : TO SEPTEMBER 2022

**EMPLOYER** : Kunhwa BCL JV in association with **Total** 

Management Services Pvt. Ltd.

POSITION HELD AND : Bridge/Structure Engineer

**DESCRIPTION OF DUTIES**: Worked as a Construction Supervision Consultant

of SASEC Highway Improvement Project (SHIP-CSC) Contract No:SHIP/CSC/2020/01 Reviewed Design of all PSC bridges from Kancanpur to Kamalamai road of SASEC Road including Balan Khola Bridge. He also redesigned the various Bridges having Piled Foundation & Open

Foundation.

3.13 FROM MARCH 2018 : TO OCTOBER 2021

**EMPLOYER** : Lumbini Builders (P)..Ltd

POSITION HELD AND : Consultant

DESCRIPTION OF DUTIES : Involved in solving the Technical Problems

occurred during construction of "Jharahi River Bridge, Nawalparasi. It is a RCC T-beam bridge

127.75 m long having Well Foundation.

3.14 FROM MARCH 2017 : TO MAY 2022 (INTERMITTENT)

EMPLOYER : Paudel Engg. & Management Consultancy

POSITION HELD AND : Consultant

**DESCRIPTION OF DUTIES** : Mr.Niranjan Prasad Poudel did Technical Audit of

Construction of RCC Prestressed Bridge Over Charnawati River, Dolakha, Academic Building of Xt. Alpamai Ram Narayan Yadav Nursing College, Malangwa, Sarlahi. Now it is being converted into Corona Hospital. He did technical audit of Thawang Khola Bridge - Thawang, Sapaha Khola Bridge-Sarlahi, Loha Khola Bridge-Dailekh Technical audit of Khalanga-Simkhark-Baluwasangarahi road of Sallyan District etc. through National Vigilance

Centre from March 2016 to July 2022.

3.15 FROM SEPTEMBER 2016 : JUNE 2017

EMPLOYER : HIFAB, BCL, FBC, SILT, ERMC

POSITION HELD : Structural Engineer

**DESCRIPTION OF DUTIES**: Feasibility Study, Detailed Engineering Survey,

Design and Preparation of DPR, Environmental and Social study for improvement to double lane bituminous standard, contract packaging and Preparation of Bidding documents of Butwal Pokhara Road Section Special inspection of existing bridges. Rehabilitation and maintenance

design. Rate analysis, cost estimate. etc.

3.16 FROM MARCH 2015 : TO AUGUST 2016

**EMPLOYER** : Kunhwa, Korea in Association in the form of Sub

Consultancy With, ERMC, NEPAL,

POSITION HELD : Bridge Engineer

**DESCRIPTION OF DUTIES**: Special inspection of existing bridges of Surkhet-

Jumla Road and Narayangarh-Muglin Road. Rehabilitation and maintenance design. Design of new bridges of Surkhet-Jumla road .Bridges are RCC,PSC and Steel Plate girder bridge. **Software** 

**BRISD** was used to design substructure.

3.17 FROM SEPT 2014 : TO FEBRUARY 2015 (PART TIME)

**EMPLOYER** : CARD Consult (P) LTD, Babarmmahal,

Kaathmandu

POSITION HELD : Bridge Engineer

**DESCRIPTION OF DUTIES** : Structural analysis design and quantity estimate of

following Pre-stressed Concrete Bridges:: Khute Nala Bridge, Bardiya ,Nepal (Length=40.0m), Orahi Nadi Bridge, (Length=213.0m), Babai River Bridge

(Length=213.0m), Budh Kulo Bridge (Length

=30.0m),Kantawa Khola Bridge, Mahottari, Nepal (Length =30.0m),Tala Nadi Bridge, (Length=40.0m),Maina Khola Bridge (Length=30.0m), Fuljor Nadai Bridge, Sarlahi, Nepal (Length=170.0m),Boden Khola Bridge (Length=170.0m),Kalinjor Nadi Bridge (Length=170.0m)Katari Ghagara Bridge (Length=40.0m). Design of about 3 km approach road in each bridge. Software BRISD was used to design substructure.

3.18 FROM NOV 2013 : TO OCTOBER 2014 (PART TIME)

**EMPLOYER** : **UNIQUE ENG. CONSULTANCY**(P) LTD, Lalitpur

POSITION HELD : Senior Structural Engineer

**DESCRIPTION OF DUTIES** : Structural analysis design and quantity estimate

Belsot Khola Bridge, Mohana khola Bridge,

Chhagariya Khola Bridge

**Design of 3 km approach road in each bridge.** Software **BRISD** was used to design substructure.

3.19 FROM FEBRUARY 2013 : AUGUST 2013

EMPLOYER : SNC LAVALIN INTERNATIONAL INC, Canada in

association with SPAN PVt.Ltd, Silt

consultants (P) Ltd and ERMC.

POSITION HELD : Bridge Structural Engineer

**DESCRIPTION OF DUTIES** : Design of Bridges of EWH-KOSHI BRIDGE-EWH

ROAD. The software used was BRISD

(Web:www.creativehimalaya.com) developed by me. Also design of drainage, cross drainage and retaining structures of various road alignments. funded by Asian Development Bank. Client: Department of Roads, Nepal. Designed the

following bridges.

PATNALI KHOLA BRIDGE, KARAM KHOLA BRIDGE, GAURI KHOLA BRIDGE, CHINNA MASTAK KHOLA BRIDGE, BAGUNDRE KHOLA BRIDGE, BAIRAWA KHOLA BRIDGE, SETI KHOLA BRIDGE, JARAYO KHOLA BRIDGE, KHAR KHOLA BRIDGE, YASODA KHOLA BRIDGE, MURTI KHOLA BRIDGE, JOGINI KHOLA BRIDGE, KATARI KHOLA BRIDGE, SISWA KHOLA BRIDGE, GIDERI KHOLA

**BRIDGE, KALI KHOLA BRIDGE** 

3.20 FROM MAY 2012 : JANAURY 2013

EMPLOYER : EUROESTUDIOS in association with THEME

**ENGINEERING SERVICES (P).Ltd,** 

POSITION HELD : Senior Bridge Design Engineer

### **DESCRIPTION OF DUTIES**

- Construction Supervision of 6 laning of Kishangarh
  - Udaipur-Ahmadabad including new Udaipur bypass in the state of Rajasthan & Gujarat on DBFOT pattern under NHDP Phase V (Approximate length=555.50Km)
  - Justified the compliances of the people along the highway on the basis of contract documents
  - A lot of dispute resolutions between National Highway Authority and Consennionre was done based on contract documents
  - Construction supervision and Checking the design submitted by the concsessionre. Various types of design are Toll Plaza, :Box Culverts, PUP, VUP, RoB, RUB, Flyovers, Slab Bridaes. Prestressed Concrete Girder Bridges, Prestressed Concrete Box Girder Bridges, etc., Client: National Highway Authority of India, India

3.21 FROM NOVEMBER 2009

**EMPLOYER** 

**POSITION HELD** 

**DESCRIPTION OF DUTIES** 

: JULY 2010

: RITES in association with Silt Consultants (P) Ltd.

Bridge /Structural Engineer,

Design, quantity estimate, writing reports, of various types of bridges like, Prestressed Concrete Bridges, Composite Bridges, Steel Plate Girder Bridges, Open Web bridges, RCC Box Bridges including 1000.0 m long (Each span 120.0m) Steel Truss Bridge of Trishuli River ,500m long bridge at Karnali River at Daulatpur,1000.0 m long bridge at Koshi River, guiding CAD engineer for the preparation of Drawings of Feasibility study of Mechi Mahakali and Kathmandu Pokhara Electric Railway. (Nepal)

3.22 FROM NOVEMBER 2008 EMPLOYER

: MARCH 2009

: Metcalf & Eddy Inc in association with Maunsell,

SILT, MEH and MUTUAL

POSITION HELD

: Bridge Engineer,

**DESCRIPTION OF DUTIES** 

Project Management Consulting Services funded by Asian Development Bank to Melamchi Water Supply Development Board of Bagmati Bridge at Sundarijal.

 Construction supervision of RCC T-beam bridge having Well Foundation and thin walled cassion  Checking the Interim Payment Certificate of Contractor

Checking the claims of Contractor and its resolution.

3.23 FROM AUGUSTY 2003 : TO MAY 2004

**EMPLOYER** : Roughton International in association with

ITECO Nepal, Full Bright and ICGS.

POSITION HELD AND Design Engineer/Structural Engineer for Road

Network Development Project (400 km) financed

by Asian Development Bank.

**DESCRIPTION OF DUTIES:** Detailed engineering design of masonry retaining

walls, semi gravity type gabion retaining structures, causeway, cascades, chutes, single cell and multi cells box culverts, slab culverts, rehabilitation etc. Fixed bridge site, bridge axis, bridge type, position of bore holes and detail engineering design, cost estimate of steel truss bridges at Piluwa river length 96.0m and Sabha river length 120.0m length in Sankhuwasabha district. (AASHTO 1996

was completely followed)

3.24 FROM August 1999 : TO June 2000

EMPLOYER : ITECO Nepal (P) Ltd.

POSITION HELD AND Structural Engineer for Malekhu – Dhadingbesi

Road Project (18 km, Intermediate Lane) co-

financed by Germany through KfW.

**DESCRIPTION OF DUTIES** : Construction supervision and detailed engineering

design, approval of construction drawings and preparation of design reports and drawings for 120.0 m Trisuli Bridge, 60 m Thopal Bridge,.Design of retaining structures, cross drainage structures, of

the Project.(Code was DIN)

3.25 FROM April 2015 : TO December 2015

EMPLOYER : Kantipur Mall Gangabu, New Bus Park,

Kathmandu

POSITION HELD AND Structural Engineer (Part Time)

**DESCRIPTION OF DUTIES** : Rehabilitation of Kantipur Mall of Naya Bus Park

due to Earthquake damage. Visual inspection of almost all the members and non destructive test of selected members. Analysis of frames were done by using software STAAD Pro and design was checked by using software BUSD (Building

Structure Design).

3.26 FROM May 2012 : TO February 2014

EMPLOYER : EAST CONSULT (P) LTD, KATHMANDU

**POSITION HELD AND DESCRIPTION OF DUTIES**  Structural Engineer

Structural analysis, design and occasional supervision of the Building of Ichuk Sanskritik Pratisthan, following project, structural design was done by BUSD 2010. Earthquake detailing of reinforcements were followed, for concreate design IS456:2000 was followed, for earth euake Nepalese code were followed.

3.27 FROM May 2009 **TO July 2009** 

**EMPLOYER** East Consult (P) Ltd. Kathmandu

**POSITION HELD AND Structural Engineer** 

**DESCRIPTION OF DUTIES** Structural analysis and design of the following

project:

Tamang Bhawan at Chapali VDC, Budhanil Kantha high load, long span RCC frame and multi storied building. Earthquake analysis was done by Static method. Structural Design was done by BUSD 2010. Earthquake detailing of reinforcements were followed, for concrete design IS456:2000 was followed for earth quake Nepalese code were

followed.

3.28 FROM June 2002 TO September 2004

**EMPLOYER Sarosh Pradhan and Associates** 

Structural Engineer (Resource Consultant as POSITION HELD AND

part time)

**DESCRIPTION OF DUTIES** Structural analysis, Design and Construction

> Supervision of residential buildings and Corporate Office Building of Yeti Airlines. (Seven Storied having Combined Foundation) using software

STAAD Pro. SAP2000 and BUSD 2004.

3.29 FROM December 1990 TO March 1992 (Part Time)

**EMPLOYER Architect Module Pvt. Ltd.** 

**POSITION HELD AND** Structural Engineer

**DESCRIPTION OF DUTIES** 

Did Structural Analysis, designs and occasional supervision of the followings projects by using package MICROFEAP for frame analysis and

design software in GWBASIC developed by myself.

Department and Mathematics & Statistics, Tribhuvan University, Kirtipur.

Hotel Thorungla, Laka Side, Pokhara.

Apartment Block for Mrs. Bimala Katuwal at Kupondole.

Several other Residential and Commercial

building.

**3.30 FROM December 1990** TO December 1992 **EMPLOYER POSITION HELD AND DESCRIPTION OF DUTIES**  The Structural Engineer (Part Time)

Structural Engineer

Did Structural Analysis, designs and occasional supervision of the followings projects by using package MICROFEAP for frame analysis and design software in GWBASIC developed by myself.

Nepal Ekraat Engineering Company Hetauda, the transformer factory "neek" that got first ISO mark in Nepal among industry.

3.31 FROM December 1986

**EMPLOYER** 

**POSITION HELD AND** 

**DESCRIPTION OF DUTIES** 

TO December 1990

**CEMAT Consultant (P) Ltd.** 

**Structural Engineer** 

Structural Design, quantity estimate, preparation of ender documents and construction supervision of Pack Colorama factory Building, Thimi, Bhaktapur.

Structural design of overhead water tanks of capacity 225m3 and 450m3 for ABD Projects constructed at various places all over, Nepal. Designed water supply project, service reservoirs for far western water supply scheme.

3.32 FROM October 1983

**EMPLOYER** 

**POSITION HELD AND DESCRIPTION OF DUTIES**  TO October 1988 (Part Time)

Modern Technical Consultant, Kathmandu,

Nepal

**Structural Engineer** 

Did Structural Analysis, designs and occasional construction supervision of the followings projects: Narayani Stadium, Birgani Nepal (The largest Stadium of International standard), Mahendra Sabhagriha, Bhairahawa, nepal, Covered Hall of 1000 capacity, Narayani Sports Complex, ILO workshop and Hostel Building, Bank Cum Office Building, RB Brush Factory, Laxmi Resign Industry, Multi Storied Buildinas. Residential

Buildings, Sports Complexes.

3.33 FROM December 2010

**EMPLOYER** 

POSITION HELD AND

**DESCRIPTION OF DUTIES** 

**TO May 2011** 

**Acme Engineering College** 

**Project Supervisor** 

Guided the final year Project in Bachelor in Civil Engineering Students as a Project Supervisor on the following topic. He made the student to complete their project using SAP 2000 and BUSD 2011 software. The topic of the project was as follow:

1. Multi Storied Apartment in Kathmandu (Gr. of 6 students)

2. Multi Storied Building in Janakpur (Gr. of 6 students)

3.34 FROM July 2010 : TO November 2010

EMPLOYER : Lumbini Engineering Management & Science

College

POSITION HELD AND Project Supervisor

DESCRIPTION OF DUTIES : Guided the final year

: Guided the final year project in Bachelor in Civil Engineering students as a Project Supervisor on the following topic. He made the student to complete their project using SAP 2000 and BUSD 2010 software. The topic of the project was as

follow:

1. Multi Storied Commercial Complex Building

3.35 FROM July 2008 : TO October 2008

EMPLOYER : Lumbini Engineering Management & Science

College

POSITION HELD AND Project Supervisor

**DESCRIPTION OF DUTIES** : Guided the final year project in Bachelor in Civil

Engineering students as a Project Supervisor on

the following topic.

He made the student to complete their project using SAP 2000 and BUSD 2008 software. The topic of  $\,$ 

the project was as follow:

1. Multi Storied Institutional Building

2. Bride Engineering (Elective)

3.36 FROM August 2006 : TO October 2006

EMPLOYER : Lumbini Engineering College POSITION HELD AND External Project Supervisor

**DESCRIPTION OF DUTIES** : Guided the final year project in Bachelor in Civil

Engineering students as a Project Supervisor on the following topic. His involvement was intermittent. He made the student of complete their project using SAP 2000 and BUSD 2006 software.

The topic of the project was as follow:

1. Multi Purpose Commercial Complex.

## Other Experience related to Dispute Settlement

Other experiences related to dispute settlement are described in Clause 3.3,3.6,3.8, 3.9, 3.12,3.16,3.17,3.19,3.20,3.21,3.23 of CV.

In Buildings only, Other experiences related to dispute settlement are described in Clause 3.1, 3.2, 3.4, 3.7, 3.10, 3.11, 3.25, 3.26,3.27,3.28,3.29 of CV.

3.37 FROM August 2015 : TO December 2015

EMPLOYER : Various Organisation POSITION HELD AND Structural Engineer

**DESCRIPTION OF DUTIES** : OH WAT, SO WAT, WA WAT-I have written a

small book about OH WAT (Over Head Water Tank), SO WAT (Solid Waste Transfer) and WA WAT (Waste Water Treatment Plant) Description and design of various types of Over Head Water Tanks are given. Solid Waste Transfer stations also are described. Waste Water Treatment Plant also

is described.

3.38 FROM August 2016 : TO May 2022

EMPLOYER : Self POSITION HELD AND Writer

**DESCRIPTION OF DUTIES**: Written a book **Tirtha Yatra**. This book contains

three Dhams and Sis Jyotirlinga Dhams are Badrinath, Dwarika and Rameswarm, Nepali Translation of Shreemad Bhagawat Geeta, Nepali Translation of Shreemad Bhagawat

(Continueing)

3.39 FROM August 2013 : TO January 2019

EMPLOYER : Self

POSITION HELD AND Developer/Writer

DESCRIPTION OF DUTIES : BUSD (.com) Building Structure Design

Software, Web: www.creativehimalaya

: BRISD Bridge Sub-Structure Design Software,

Web: www.creativehimalaya.com)

:

### 4.0 SEMINAR

- "Advanced Topic In Arbitration" organized by NEPCA

"Ethics in Arbitration "organized by NEPCA

### 5.0 MEMBERSHIP OF PROFESSIONAL SOCIETY:

- Life Member- Nepal Engineers' Association
- Member- Nepal Engineering Council
- Panel List Member- Nepal Council of Arbitration
- Life Member- Society of Technical Auditor's Association
- Life Member- Institution of Engineers, India

I am Panel List Member of Nepca, I hereby declare that I have never been adjudged by a competent authority as (a), guilty of moral turpitude in a criminal charge, and (b) any professional misconduct I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describes my qualifications, and my experience.

Day/Month/Year

Contact Telephone No.: 9841542332