

CURRICULUM VITAE (CV)

Position Title and No.	Freelancer
Name of Expert	Rajendra PAUDEL
Date of Birth	30 November 1972
Citizenship	Nepalese

Education:

- ▶ **Ph.D. in Management - 2019** (Precautionary Construction Management for Sustainability in Nepal) Himalayan University, India
- ▶ **M.Sc. in Engineering Management (2 Years Course) - 2013** HIST, Purbanchal University, Nepal
- ▶ **MA in Sociology and Anthropology - 2015**, Tribhuvan University, Nepal
- ▶ **B.E. in Civil Engineering (4 Years Course) - 2000** IoE, Pulchowk Campus, Tribhuvan University, Nepal.
- ▶ **Diploma in Civil Engineering (3 Years Course) - 1994** WRC, Tribhuvan University, Nepal

Training:

- **Five-day** Training on "Construction Management and Dispute Settlement organized by the Nepal Council of Arbitration (NEPCA)
- Training on Construction Supervision and Contract Management Organized by IMCC Dubai held in Dubai, March 2009, **(4 weeks)**.
- Training on "Technical Auditors" Organized by NVC **(3 weeks)**.
- Training on the Design of Bridge Maintenance Organized by the Suspension Bridge division **(4 weeks)**
- Training on Design of Road **(SW Software) 4 weeks**
- Have knowledge of software such as Auto CAD, Primavera, PowerPoint, STAAD Pro, Soft well, Etabs etc.

Employment Record Relevant to the Assignment:

Period	Employing organization & your title/ position. Contact information for references:	Country	Summary of Activities Performed Relevant to the Assignment:
May 2023 to Till	Employer: SMEC-PEC-ITECO JV Position Held: Resident Engineer Reference Information Tuk Lal Adhikari – Managing Director Tel: +977-1-41 06 776 Mail: iteco@mos.com.np	Nepal	Strategic Road Connectivity & Trade Improvement Project (Improvement/Widening of Nagdhunga – Naubise – Mugling Road and Bridges) (IDA Credit No.: 6673-NP) FIDIC based ICB contracts: Nagdhunga - Naubise Road and Bridges (ICB-1, 12.5KM) Project Cost – Nrs 1,497,931,259.95 Naubise – Malekhu Road and Bridges (ICB-2, 43.5 KM) Project Cost - NRS. 5,33,19,28,773.67 Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBM and Asphalt Concrete works), and 15 Numbers of Bridges, off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.
February 2022 to April 2023	Employer: CEMAT- SILT- BDA JV Position Held: Resident Engineer Reference Information Rabi Raj Rajbhandari, Project Co-ordinator Tel. +977-1-55 39 891 / 01-55 20 243 E-mail: cemat@wlink.com.np	Nepal	Road Improvement and Development Project, Exim Bank of India; FIDIC based ICB contracts: - Bardibas - Jaleswor Road (42.00 Km, DBSD surface, double/four lane standard) - Jaleswor Urban Road (15.00 Km, Asphalt pavement, single/double lane standard) - Rajbiraj Urban Road (15.61 Km, Asphalt pavement, single/double lane standard) - Siraha Urban Road (15.00 Km, DBSD Surface, single/double lane standard) Project Cost – USD 21,331,273.58

Period	Employing organization & your title/ position. Contact information for references:	Country	Summary of Activities Performed Relevant to the Assignment:
			Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD and Asphalt Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.
June 2019 to January 2022	Employer: CEMAT- ERMJ JV Position Held: Resident Engineer <u>Reference Information</u> Rabi Raj Rajbhandari, Project Co-Ordinator Tel.: +977-1-55 39 891 / 01-55 20 243 E-mail: cemat@wlink.com.np	Nepal	Road Improvement and Development Project (RIDP) Upgrading/improvement of Charikot - Jiri Road Section (55.44 Km, 45 km intermediate and 10 km double lane road); FIDIC based ICB contracts; Project Cost – USD 17,629,777.96 Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.
November 2017 to May 2019	Employer: ITECO Nepal - TMS JV Position Held: Resident Engineer <u>Reference Information</u> Tuk Lal Adhikari – Managing Director Tel: +977-1-41 06 776 Mail: iteco@mos.com.np	Nepal	Earthquake Emergency Assistance Project (EEAP) Dolakha - Singati Road (32.49 km single lane and 2 km double lane out of 34.49KM DBSD/Premix pavement), FIDIC based ICB contract; Project Cost – Nrs 722,057,440.05 Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works,

Period	Employing organization & your title/ position. Contact information for references:	Country	Summary of Activities Performed Relevant to the Assignment:
			prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.
July 2017 to October 2017	Employer: North Star Engineering Consultant (P) Ltd. Position Held: Design Engineer Reference Information Dhurba Raj Tripathi – Managing Director, Tel: +977-1-55 35 302	Nepal	Detail Engineering Survey, Design and Report Preparation of 6 Roads, 2 lane Standard, total 120.63 km; Involved in detailed engineering design of the project road alignments with bituminous pavement, Preparation of detailed cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of a Detail Project Report (DPR) for each road section.
March 2017 to June 2017	Employer: North Star Engineering Consultant (P) Ltd. Position Held: Design Engineer Reference Information Dhurba Raj Tripathi – Managing Director, Tel: +977-1-55 35 302	Nepal	Detail Engineering Survey, Design and Report Preparation of 7 Roads, 2 lane Standard, total 116 km; Involved in detailed engineering design of the project road alignments with bituminous pavement, Preparation of detailed cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of a Detail Project Report (DPR) for each road section.
December 2016 to February 2017	Employer: ITECO Nepal (P) Ltd. Position Held: Design Engineer Reference Information Tuk Lal Adhikari– Managing Director Tel: +977-1-41 06 776 Mail: iteco@mos.com.np	Nepal	Dhulikhel-Barabise Road section (57km) Ch:30+000 to Ch:84+516.29 of Arniko Highway - Four Lane as per Asian Highway Standard; Involved in detailed engineering design of the project road alignments with Asphalt Concrete pavement, Preparation of detailed cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of a Detail Project Report (DPR) for the complete road section.
November 2013 to November 2016	Employer: Bridge Branch, Departments of Roads, Bridge Project (BIMP), World Bank Position Held: Construction Supervision Support Engineer (~Resident Engineer) Reference Information Saroj Kumar Pradhan, Deputy Director General, Bridge Branch Tel: +977-1-55 28 771;	Nepal	Bridge Improvement and Maintenance Program (BIMP); FIDIC based ICB/NCB contracts; Support divisions/Projects under the Central Region of Nepal, in design, design review and construction supervision and maintenance of bridges in compliance of working drawings/ shop drawings, the layout of bridges (RCC T. Beam, Pre-stress, Steel Truss, Arch Bridges etc. approx. 500 nos. of Bridges including 10 km of access road two lane standard DBST/ Asphalt concrete), quality assurance, resolving technical issues during construction & maintenance, resolving the contractual issues, if any with close coordination with the BP team at Kathmandu, Safeguard (environmental and social) compliance of EMAP, SAP, and RAP, monitor and report timely critical issues of construction & maintenance, submitting Monthly Progress Report for all the bridge works in the standard format.
October 2010 to October 2013	Employer: MMM Group in association with CEMAT and Soil Test Position Held: Assistant Resident Engineer Reference Information Dr. Shyam Manandher, Project Co-ordinator Mobile: + 977-9851067454 Tel: +977-1-55 20 305. Email: soiltest@npc.net.np	Nepal	Road Connectivity Sector I Project (RCSP-I); Construction Supervision of Sunkoshi Bridge (100m) and Tamakoshi – Manthali - Khurkot Road (55Km DBSD); FIDIC based ICB contract; Construction supervision of different components of Sunkoshi bridge mainly Abutment and Pier Well Sinking, Staining casting, Well Cap, Abutment Foundation, Approach Roads and River bank protection. Carryout out, notify and instruction to contractors for maintenance and repairs of works under DLP of TMK roads. Construction supervision of outstanding works of Ranjor Khola Bridge & Lipe Khola Bridge. Construction supervision of TMK Road mainly on Sub-grade, DBST, slab culverts, causeways, masonry and gabion structures and pipe culverts. Provide technical support to the consultant team to achieve the work progress. Assist RE to conduct monthly progress meetings & managerial works. Checking & verification of Interim Payment Certificates (IPCs) & variation orders. Monitoring of quality assurance plan, and environmental management action plan of the project and assisting social safeguard team for resettlement, safety and others different social issues.
March 2010 to September 2010	Employer: MMM Group in association with CEMAT and Soil Test Position Held: Design Engineer Reference Information Dr. Shyam Manandher, Project Co-ordinator Mobile: + 977-9851067454 Tel: +977-1-55 20 305. Email: soiltest@npc.net.np	Nepal	Road Connectivity Sector I Project (RCSP-I); Detailed Design of Bhairahawa-Taulihawa Road 47.24 km 2 lane; bituminous paved standard (DBST works); Responsible for detail engineering survey and detail engineering design as a team member of the design team for Detail Engineering design, Preparation of detail drawing and estimation of quantities and evaluation of the cost of the projects.
May 2009	Employer: ICT Intercontinental and	Nepal	Road Sector Development Project (RSDP-I),

Period	Employing organization & your title/ position. Contact information for references:	Country	Summary of Activities Performed Relevant to the Assignment:
to February 2010	Technocrats Pvt. Ltd (India) in association with Full Bright, Soil Test (P) Ltd. Position Held: Assistant Resident Engineer Reference Information Lal Krishna KC, Managing Director Tel No. +977-1-45 68 118 Fax: +977-1-45 65 604 Mail: fbc@mos.com.np / info@fbc.com.np		Improvement and Upgrading of Surkhet – Kalikot – Manma, Road (44 Km); FIDIC based NCB contract; Construction supervision of Road works (Sub-grade, Sub base, Base course, Ottaseal, slab culverts, causeways, Masonry and Gabion Structures and Pipe culverts). Provide technical support to consultant team to achieve the work progress. Assist RE to conduct monthly progress meeting & managerial works. Checked & Verification of Interim Payment Certificate & Variation orders. Monitoring of quality assurance Plan, environmental management action plan of the project and assist social safeguard team for resettlement, safety and others different social issues.
January 2008 to April 2009	Employer: OBAYASHI – Kajima – Yapi Merkezi – Mitsubishi Heavy Industries Position Held: Project Contract Manager Reference Information Makota Harada Director, Obayasi Corporation (Dubai Br). Tel No. +971-2212121	Dubai	Dubai Metro Rail Project, construction of viaduct and 4 lane approach road network (35 KM); FIDIC based ICB Contract; Construction Supervision & overall management of viaduct sub structure and superstructure works, Sub grade Preparation, Granular Sub base and CS Base, Asphalt Concrete and Drainage Network and Landscaping etc. Ensuring the proper implementation of Inspection and Testing Procedure, Project QC procedures, Method Statements and Inspection and Testing Plans through surveillance monitoring of the related site activities. Construction Supervision and Contract implementation of road contract.
March 2006 to December 2007	Employer: SILT Consultant (P) Ltd, Position Held: Resident Engineer Reference Information Keshav Kunwar, Managing Director, Tel: +977-1-44 87 598; 01-44 70 866 Fax: +977-1-44 73 573; Email: info@silt.com.np	Nepal	Construction Supervision of KFW funded RCC Bridges and RCIW Road Project, ICB Contract as per FIDIC Condition of Contract; Involved in survey, design and construction supervision of RCC bridges and road (Machi – Gaumukhi, Damti – Bahani, Khalanga – Bijuli and Bijuar – Dhangri road, total 44 km) work such as rock foundation works, Abutments works, Piers works, approach Slab, river training works and gabion and masonry structural works, road way cuttings. Quantity measurement, checking and Verification of contractor's Interim Payment Certificate. Manage planning and implementation of community based organization works. Follow-up the environmental protection measures to enhance the socio economic condition of the local beneficiaries, Co-ordinating and reporting to different stakeholder.
May 2004 to February 2006	Employer: Employer: NORPLAN A.S., Norway in association with Gorkha Construction Company (P) Ltd. Position Held: Contract Manager Reference Information Mr. Ove Rusten - Managing Director (Int'l) Consultant, NORPLAN A.S., Norway Tel: +977-1-44 82 307, Nepal Mail: norplan@norplan.com	Nepal	New Construction, Improvement, Upgrading of Melamchi Access Road Project; Strengthening of 2 Lane Road section of Sindhu and Gyalthum (25km DBSD); FIDIC based ICB contract; construction supervision contract management, of road, Pavement works (Sub-grade, Sub base, Base course, Bituminous surfacing) and structure works. Day to day management, monitoring of construction activities, making progress report, daily work programme, weekly and monthly work schedule. Making interim payment certificate, Final bill and as built drawings, support to achieve the work progress
November 2003 to April 2004	Employer: ITECO Nepal (P) Ltd. Position Held: Design Engineer Reference Information Tuk Lal Adhikari– Managing Director Tel: +977-1-41 06 776 Mail: iteco@mos.com.np	Nepal	Road Network Development Project (RNDP), Belbari-Chaurahawa National Highway (140KM Asphalt Concrete Road, 2 Lane); Responsible for detail engineering survey and detail engineering design as a team member of design team for Detail Engineering design, Preparation of detail drawing and estimation of quantities and evaluation of the cost of the projects under RNDP.
June 2002 to October 2003	Employer: ITECO Nepal (P) Ltd. Position Held: Design & Environment Friendly Engineer/Assistant Resident Engineer Reference Information Tuk Lal Adhikari– Managing Director Tel: +977-1-41 06 776 Mail: iteco@mos.com.np	Nepal	Rural Access Program (RAP), Hilepani – Jayaramghat – Diktal Environment-Friendly Road (88km Hill Road); Involved in the detailed survey, design, cost estimate, preparation of 14 nos. of small contract packages for Contractor and User's committee, work packaging for user's Groups, construction supervision, quality control and bill preparation of road and verification of detailed design and management of construction works through Local Users Groups and Local Contractor in coordination with Village level coordination and monitoring committee of Durchhim, Mahadevsthan and Arkhaule VDCs of Measurement of carried out works by contractor, verification and assist the team leader in certification of Interim payment.
September 2000 to May 2002	Employer: North Star Engineering Consultant (P) Ltd. Position Held: Site Manager/	Nepal	Construction of 40m span 40m Length T Capacity Steel Truss Bridge; Contract Management and Construction supervision of 40T capacity steel truss

Period	Employing organization & your title/ position. Contact information for references:	Country	Summary of Activities Performed Relevant to the Assignment:
	Bridge Engineer Reference Information Dhurba Raj Tripathi - Managing Director, Tel: +977-1-55 35 302		bridge. Assist to Designer with design review, and provide technical support to the construction team to achieve the work progress.

Membership in Professional Societies & Publications:

- ▶ Member, Nepal Engineering Council (**Regd. No. 3,828 A, Civil**)
- ▶ Member, Nepal Engineer's Association
- ▶ Society of Technical Auditor Association

Language skills (indicate only languages in which you can work): **English:** Excellent, **Nepali:** Excellent, **Hindi:** Good

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks:
As per TOR.	Name of Assignment: Strategic Road Connectivity and Trade Improvement Project (SRCTIP) Year: May 2023 to date, Location: Kathmandu and Dhading District, Client: Department of Roads, Project (DCID), World Bank funded Project; Main Project Features: Construction supervision and quality control works with upgrading/improvement of Road Total of 55KM (ICB-1 and ICB-2) with DBM and Asphalt Concrete in National Highway (Tribhuvan Rajpath and Prithibi Highway) ICB Contract as per FIDIC Condition of Contract Position Held: Resident Engineer; Activities Performed: Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD and Asphalt Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project. Name of Assignment: Road Improvement and Development Project (RIDP) upgrading/improvement of Bardibas - Jaleswor Road Year: February 2022 to December 2022, Location: Mahottari, Siraha & Saptari District, Client: Department of Roads, Project (RIDP), EXIM Bank of INDIA; Main Project Features: Construction supervision and quality control works with upgrading/improvement of Road Total of 87.61KM with DBSD in feeder road and asphalt in urban road with double lane / four lane in urban and settlement area of Mahottari, Siraha & Saptari District), ICB Contract as per FIDIC Condition of Contract - Bardibas - Jaleswor Road (42.00 Km, DBSD surface, double/four lane standard) - Jaleswor Urban Road (15.00 Km, Asphalt pavement, single/double lane standard) - Rajbiraj Urban Road (15.61 Km, Asphalt pavement, single/double lane standard) - Siraha Urban Road (15.00 Km, DBSD Surface, single/double lane standard) Position Held: Resident Engineer; Activities Performed: Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD and Asphalt Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project. Name of Assignment: Road Improvement and Development Project (RIDP) upgrading/improvement of Charikot - Jiri Road Section (55.44 Km); Year: June 2019 to January 2022; Location: Mountainous location in Dolakha District; Client: Department of Roads, (RIDP), EXIM Bank of INDIA; Main Project Features: Construction Supervision and Quality control works of upgrading/ improvement of Charikot-Jiri Road (55.0KM DBSD, 45 km intermediate lane and 10 km double lane road), ICB Contract as per FIDIC Condition of Contract; includes a major crossing bridge at Tamakoshi river; Total Project Cost: US\$ 19.90 million; Position Held: Resident Engineer; Activities Performed: Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports,

work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.

Name of Assignment: Earthquake Emergency Assistance Project (EEAP); **Year:** November 2017 to May 2019; **Location:** Dolakha; **Client:** Department of Roads, ADB Grant 0051 NEP (SF); **Main Project Features:** Construction Supervision of Dolakha-Singati Road (32.49 km single lane and 2 km double lane out of 34.49KM DBSD/Premix pavement), FIDIC based ICB contract. **Position Held: Resident Engineer, Activities Performed:** Responsible for contract management, construction supervision of road pavement work (Sub-grade, Sub base, Base course, DBSD Concrete works), off road structures, pipe culverts, surface and sub-surface drainage including water management, review and recommend for approval of the insurance cover provided by the Contractor, review and approve the Contractor's work program and ensure compliance, Review of Quality Assurance Plan, record all delays caused by the contractors not meeting the approved program and inform the same to the Contractor, check the Contractor's work and notify the Contractor for rectification of any defects that are found, bio-engineering technique for landslides stabilization, quality control, verification of field layout survey and quantity measurement of completed works, verification and checking of interim payment certificate, monitoring of progress of the works, prepare the monthly progress reports, work schedule review, preparation of variation order requests and revised cost estimate for necessary approval, monitoring and evaluation of environmental management action plan adopted by the project.

Name of Assignment: Detail Engineering Survey, Design and Report Preparation (DPR) of 6 Roads, Contract ID: PME/337159/073/74 DPR 18; **Year:** July 2017 to October 2017; **Location:** Dhanusa, Mahottari, Siraha, Bara and Parsa District; **Client:** DoR, PME Unit; **Main Project Features:** Detail Engineering Survey, Design of Roads with bituminous pavement and Preparation of Detailed Project Report (DPR) for
 - Bisarmora Nathpatti Magraha Mhachi Khajuri- Balahagothar Sima Sadak, Dhanusha (12.33 Km, 2 lane road)
 - Laxminiya – Fulkaha Sundarpur Sonama Raghunthpur Sadak, Mahottari (24.1 Km, 2 lane road)
 - MRM Ayodhaynagar – Dahipaudi – Dariya Sadak, Siraha (25 Km, 2 lane road)
 - Nijgad – Kolbhi – Simraungarh Sadak, Bara (20 Km, 2 lane road)
 - Simraungarh Na Pa Gitanagar – Ranibas Jawalnagar Sima Sadak, Bara (6.16 Km, 2 lane road)
 - Bharatiya Sima Sirsiya Choti bhansar – Dryport Suguali – Apaunao – Ratanpur – Milanchowk Pathalaiya Sadak Parsa/Bara (32.6 Km, 2 lane road)

Position Held: Design Engineer; Activity Performed: Involved in detailed engineering design of the project road alignments, Preparation of detail cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of Detail Project Report (DPR) for complete road section.

Name of Assignment: Detail Engineering Survey, Design and Report Preparation (DPR) of 7 Roads, Contract ID: PME/337159/073/74 DPR 6; **Year:** March 2017 to June 2017; **Location:** Rolpa, Bardiya, Rukum and Surkhet Districts; **Client:** DoR, PME Unit; **Main Project Features:** Detail Engineering Survey, Design of Roads with bituminous pavement and Preparation of Detailed Project Report (DPR) for
 - Sulichaur-Phagam-Pelabang-Mirula Road, Rolpa (31 .00 Km, 2 lane road)
 - Gam-Syaulibang-Sadak, Rolpa (4.88 Km, 2 lane road)
 - Liwang-Habama-Mirula-Sadak, Rolpa (16.00 Km, 2 lane road)
 - Khairichandanpur 5-Ramjanechowk-Lalpurhundai Toranga Samma Sadak, Bardiya (5.00 Km, 2 lane road)
 - Khalanga-Solabangdekhi Dhaune Bagar-Rukumkot Sadak, Rukum (41.6 Km, 2 lane road)
 - Salle-Mursuli Motorbato, Rukum (7.52 Km, 2 lane road)
 - Matela-Thadi-Badikot-Gaulachakha-Chuduwa Sadak, Surkhet (10.00 Km, 2 lane road)

Position Held: Design Engineer; Activity Performed: Involved in detailed engineering design of the project road alignments, Preparation of detail cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of Detail Project Report (DPR) for complete road section.

Name of Assignment: Dhulikhel-Barabise Road section (57km) Ch:30+000 to Ch:84+516.29 of Arniko Highway - Four Lane as per Asian Highway Standard; **Year:** December 2016 to February 2017; **Location:** Kavre, Sindhupalchok; **Client:** DoR, CHINA Railway No. 5 Engineering Group Co. Ltd.; **Main Project Features:** Detail Engineering Survey, Design of Roads with Asphalt Concrete pavement and Preparation of Detailed Project Report (DPR); **Position Held: Design Engineer; Activity Performed:** Involved in detailed engineering design of the project road alignments, Preparation of detail cost estimate with analysis of rates, contract packaging and tender document preparation. Preparation of Detail Project Report (DPR) for complete road section.

Name of Assignment: Bridge Improvement and Maintenance Programme (BIMP); **Year:** November 2013 to November 2016; **Location:** Central Region; **Client:** Departments of Roads, Bridge Branch, World Bank funded; **Main Project Features:** Design, design review and construction supervision of Bridges including 10 km of access road two lane standard DBST/ Asphalt concrete and Support for Construction & maintenance of bridges and resolving Technical and Contractual issues, FIDIC based ICB/NCB contracts; **Positions Held: Construction Supervision Support Engineer (~Resident Engineer); Activities Performed:** Support divisions/ Project under Central Region of Nepal, in design, design review and construction supervision and maintenance of bridges in compliance of working drawings/ shop drawings, layout of bridges (RCC T. Beam, Pre-stress, Steel Truss, Arch Bridges etc. approx. 500 nos. of Bridges), quality assurance, resolving technical issues during construction & maintenance, resolving the contractual issues, if any with close coordination with the BP team at Kathmandu, Safeguard (environmental and social) compliance of EMAP, SAP, and RAP, monitor and report timely critical issues of construction & maintenance, submitting Monthly Progress Report for all the bridge works in standard format.

Name of Assignment: Road Connectivity Sector I Project (RCSP-I); Construction Supervision of Sunkoshi Bridge (100m) and Tamakoshi – Manthali – Khurkot Road (55Km DBSD); **Year:** October 2010 to October 2013 **Location:** Manthali, Ramechhap; **Client:** DoR, ADB Grant; **Main Project Features:** Construction supervision of Sunkoshi Bridge, Ranjor Khola Bridge & Lipe Khola Bridge, ICB Contract as per FIDIC Condition of Contract; **Positions Held: Assistant Resident Engineer; Activities Performed:** Construction supervision of different components of Sunkoshi bridge mainly Abutment and Pier Well Sinking, Staining casting, Well Cap, Abutment Foundation, Approach Roads and River bank protection. Carryout out, notify and instruction to contractors for maintenance and repairs of works under DLP of TMK roads. Construction supervision of outstanding works of Ranjor Khola Bridge & Lipe Khola Bridge. Construction supervision of TMK Road mainly on Sub-grade, DBST, slab culverts, causeways, masonry and gabion structures and pipe culverts. Provide technical support to consultant team to achieve the work progress. Assist RE to conduct monthly progress meeting & managerial works. Checked & verification of Interim Payment Certificate (IPCs) & variation orders. Monitoring of quality assurance plan, environmental management action plan of the project and assist social safeguard team for resettlement, safety and others different social issues.

Name of Assignment: Road Connectivity Sector I Project (RCSP-I); Detailed Design of Bhairahawa-Taulihawa Road 47.24 km 2 lane, **Year:** March 2010 to September 2010; **Location:** Rupandehi; **Client:** DoR, ADB Grant; **Main Project Features:** Improve the existing earth/pavement Terai road to bituminous paved standard (DBST works), **Position Held: Design Engineer; Activities Performed:** Responsible for detail engineering survey and detail engineering design as a team member of design team for Detail Engineering design, Preparation of detail drawing and estimation of quantities and evaluation of the cost of the projects.

Name of Assignment: Road Sector Development Project (RSDP-I), Improvement and Upgrading of Surkhet – Kalikot

– Manma, Road (44 Km); **Year:** May 2009 to February 2010; **Location:** Surkhet; **Client:** Department of Roads (DoR), World Bank Loan; **Main Project Features:** Construction supervision of Road works NCB Contract as per FIDIC Condition of Contract; **Positions Held:** Assistant Resident Engineer; **Activities Performed:** Construction supervision of Road works (Sub-grade, Sub base, Base course, Ottaseal, slab culverts, causeways, Masonry and Gabion Structures and Pipe culverts). Provide technical support to consultant team to achieve the work progress. Assist RE to conduct monthly progress meeting & managerial works. Checked & Verification of Interim Payment Certificate & Variation orders. Monitoring of quality assurance Plan, environmental management action plan of the project and assist social safeguard team for resettlement, safety and others different social issues.

Name of Assignment: Dubai Metro Rail Project, construction of viaduct and 4 lane approach Road; **Year:** January 2008 to April 2009; **Location:** Dubai; **Client:** Road and Transport Authority Dubai; **Main Project Features:** Construction Supervision & overall management of Viaduct superstructure and approach access Road Network (35 KM Asphalt Concrete 40cm Pavement Road & 50m width, 4 lane road) ICB Contract as per FIDIC Condition of Contract; **Positions Held:** Project Contract Manager; **Activities Performed:** Construction Supervision & overall management of viaduct sub structure and superstructure works, Sub grade Preparation, Granular Sub base and CS Base, Asphalt Concrete and Drainage Network and Landscaping etc. Ensuring the proper implementation of Inspection and Testing Procedure, Project QC procedures, Method Statements and Inspection and Testing Plans through surveillance monitoring of the related site activities. Construction Supervision and Contract implementation of road contract.

Name of Assignment: Construction Supervision of KfW funded RCC Bridges and RCIW Road Project, ICB Contract as per FIDIC Condition of Contract; **Year:** March 2006 to December 2007; **Location:** Pyuthan; **Client:** GTZ, WFP and Ministry of Local Development; **Main Project Features:** Survey, design and Construction supervision of RCC Bridge and Road works; **Positions Held:** Resident Engineer; **Activities Performed:** Involved in survey, design and construction supervision of RCC bridges and road (Machi – Gaumukhi, Damti – Bahani, Khalanga – Bijuli and Bijuar – Dhangri road, total 44 km) work such as rock foundation works, Abutments works, Piers works, approach Slab, river training works and gabion and masonry structural works, road way cuttings. Quantity measurement, checking and Verification of contractor's Interim Payment Certificate. Manage planning and implementation of community based organization works. Follow-up the environmental protection measures to enhance the socio economic condition of the local beneficiaries, Co-coordinating and reporting to different stakeholder.

Name of Assignment: New Construction, Improvement, Upgrading of Melamchi Access Road Project; **Year:** May 2004 to February 2006; **Location:** Sindhupalchowk; **Client:** Government of Nepal, NCB Contract; **Main Project Features:** Construction supervision and overall contract Management (Strengthening of 2 Lane Road section of Sindhu and Gyalthum (25km DBSD) financed by OPEC/ADB and Government of Nepal; FIDIC Based ICB Contract. OPEC and ADB Funded); **Positions Held:** Contract Manager; **Activities Performed:** Contract management, construction supervision of road, pavement works (Sub-grade, Sub base, Base course, Bituminous Surfacing) and structure works. Day to day management, monitoring of construction activities, making progress report, daily work programme, weekly and monthly work schedule. Making interim payment certificate, Final bill and as built drawings, support to achieve the work progress.

Name of Assignment: Road Network Development Project (RNDP), **Year:** November 2003 to April 2004; **Location:** Eastern Region of Nepal, **Client:** Department of Roads, ADB Loan No. 1876-NEP (SF), DoR, **Main Project Features:** Improve the existing earth/pavement Terai road to bituminous paved standard (DBST works), Damak- Gaurigunj Road (24KM DBSD Road), Biratnagar-Bardanga Urlabari Road (64KM DBSD Road), Belbari-Chaurahawa National Highway (140KM Asphalt Concrete Road, 2 Lane), Pauwabhanjyang-Pahidim Road – (25KM DBSD Road), Hile – Basantapur Road (22KM DBSD Road), Basantapur - Mudhe Road-13KM, Mudhe-Khandabari (81KM Road); **Position Held:** Design Engineer; **Activities Performed:** Responsible for detail engineering survey and detail engineering design as a team member of design team for Detail Engineering design, Preparation of detail drawing and estimation of quantities and evaluation of the cost of the projects under the Road Network Development Project (RNDP).

Name of Assignment: Rural Access Program (RAP), Hilepani – Jayaramghat – Diktal Environment Friendly Road (88km Hill Road); **Year:** June 2002 to October 2003; **Location:** Okhaldhunga and Khotang Districts, **Client:** Rural Access Program/DFID,UK, **Main Project Features:** Detailed engineering survey, design, cost estimate, preparation of contract packages for Contractor and User's committee and construction supervision works, **Position Held:** Design & Environment Friendly Engineer/Assistant Resident Engineer; **Activities Performed:** Involved in detailed survey, design, cost estimate, preparation of 14 nos. of small contract packages for Contractor and User's committee, work packaging for user's Groups, construction supervision, quality control and bill preparation of road and verification of detailed design and management of construction works through Local Users Groups and Local Contractor in coordination with Village level coordination and monitoring committee of Durchim, Mahadevsthan and Arkhaule VDCs of Measurement of carried out works by contractor, verification and assist team leader in certification of Interim payment. Total Project Cost NRs. 86 million, *Client Reference: Shyam Gurung – District Project Coordinator/RAP-DFID, UK.*

Name of Assignment: Construction of 40m span 40T Capacity Steel Truss Bridge; **Year:** September 2000 to May 2002; **Location:** Lamjung; **Client:** Middle Marsyangdi Hydroelectric Project; **Main Project Features:** Contract Management and Construction supervision; **Positions Held:** Site Manager/ Bridge Engineer; **Activities Performed:** Contract Management and Construction supervision of 40T capacity steel truss bridge. Assist to Designer for design review, provide technical support to construction team to achieve the work progress.

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Certification:

I, the undersigned, certify to the best of my knowledge and belief, this CV correctly describes myself, my qualification, and my experiences, and I am available to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanction by the Bank.

Rajendra PAUDEL
Name of Expert



Signature

Date