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Languages : English, Hindi, Nepali

Passport No : 3790958 (valid till 07 November 2017)

Date of Birth : April 29th 1980

Education : Master in Technology (M.Tech) in Transportation Engineering from Indian Institute of Technology, IIT-Delhi (Dissertation titled- **Safety Audit of the selected highway corridors**-ongoing).

Bachelor of Engineering (B.E) in Civil Engineering from Jawaharlal Nehru National College of Engineering, affiliated to Visveswaraiah Technological University, Karnataka, India in 2005 (in First Class with Distinction- 78.90%)

Diploma in Civil Engineering from Paschimanchal Campus Pokhara affiliated to Tribhuvan University, Nepal in 1999 (in First division-68.2%)

School Leaving Certificate from SLC Board of Nepal in 1996 (in First division-73%)

Trainings/Workshops : One day workshop on "Incorporating Natural Hazards in Transportation Infrastructure Development" jointly organizing by Ehime University Japan, Departments of Roads and Nepal Engineering College, Nepal (14 Dec 2010)

9 days International course in "Transportation Planning and Safety" jointly organized by French National Institute for Transport and Safety and IIT Delhi (29 Nov-7 Dec 2010).

Selected and worked in a task force for finalizing the technical specification and testing criteria of CRMB (Crumb rubber mixed bitumen) to prepare its Nepal Standard. (January- 2010)

3 days training in MX Road (a road designing software) from Bentley.

9 days training on 'Community Water Supply Design and Supervision' to Technical Supervisor, organized by Rural Water Supply and Sanitation FUND Development Board, Nepal.

6 days National Level Training of Trainers (ToT) on HIV- Aids Organized by Nepal Red Cross Society.

4 days training on Risk Management from Risk Management Office supported by DFID and GTZ.

Knowledge on design software: MX Road, In Road, AUTO CAD etc

Experience summary : I am a highway designer. I am having over 8 years of working experience in highway designing, construction supervision and management of road projects, in Nepal and India, alongside national and international engineers. I am conversant with IRC codes, IS codes, AASHTO, AUSTRoad and other related codes and standards.

Thesis summary : . More than 1.3 million people die on world's road every year and as many as 60 million others are injured. Over 90% of death occur in low income and middle income countries. So it is becoming a challenge to make our roads safer for all kind of users. My project work mainly focus on formal examination of safety issues of the roads.
Presently, I going through the most prominent road safety audit guidelines published on different developed countries (UK,USA, Australia, Canada, New Zealand,Ireland,Denmark,South Africa etc) and including India and Nepal, and trying to compare the provisions over the safety auditing issues within those guidelines, and with that planning to prepare a synthesized safety auditing checklist. With the help of that planning to conduct audit in road corridors.
Main objective of this project work is to make a micro level analysis of the road corridor from safety point of view, and suggest better provisions to make road more safer for all kind of users

Employment Records:

From May 2007 to July 2010

Employer : WSPimc (U.K). (www.rapnepal.com)

Position Held : Engineering Officer

- Project –1** : Diktel Chyandanda District Road (length=48 km) of Rural Access Programme (RAP), funded by Department for International Development (DFID), U.K.
- Project –2** : Hile Bhojpur Feeder Road (length=92km) of Rural Access Programme (RAP), funded by Department for International Development (DFID), U.K.
- Project-3** : Rajpur Chamarachautara and Daud Patihalne District Roads (length=130 km) of Rural Access Programme (RAP), funded by Department for International Development (DFID), U.K.
- Main responsibilities** :
- The major duties and responsibilities include construction monitoring of road corridors, in eastern and far western hill districts in Nepal. Worked as a key technical person in a district level and lead the all-engineering activities. Monitor, supervise and assist supervision consultant to execute the construction activities. Check and finalize the work plan, schedule of construction activities and interim/final bill of work valued by supervision consultant for payment. Play a key role on monthly budget and resource planning for work to be done by contractors and community user groups, and timely payment to the working groups, contractors.
- Involve and assist RAP management on procuring supervision consultant, construction tools, construction materials and safety gears. Initially for around 7 month worked as a Procurement Manager in Khotang for Diktel Chandanda District Road
- The responsibilities also includes frequent site visiting to support/guide supervision consultant on identification of likely environmental issues that may occur during construction, and planning/preparation of their mitigation plan.
- Before deploying full time supervision consultant in Doti, responsible for conducting **detail survey, designing of horizontal and vertical alignments, detail quantity calculation and preparation of labour requirement and cost estimates**, with the help of short term hired consultants working under my direction. During this period lead the team of around 20 technical staffs.
- Coordinate and assist District Development Committees (DDC) to prepare and implement the annual road maintenance plan and supplementary infrastructures. The supplementary infrastructures have eight different components like foot trails; trail bridges, community/market building, irrigation channels, water supply projects etc in the districts. Play a key role on quality and quantity checks, approving quality assurance plan prepared by DTO and submitted by DDC. The main responsibility was also to monitor the construction activities of supplementary infrastructures and road maintenance work from the donor's side (DFIDs' side).
- The goal of the Rural Access Programme (www.rapnepal.com) is to establish more secure and sustainable rural livelihoods for the poor and disadvantaged people in hill areas in Nepal, through road building.

From June 2006 to May 2007 (India)

- Employer** : Sheladia Associates Inc
- Position held** : Design Engineer/CAD Expert

Project –1 Improvement, Operation and Maintenance of Rehabilitation & Strengthening of existing 2- lane road and widening to 4-lane divided carriageway from km 440.00 to km 539.50 (Vadape-Gonde Section) of NH-3 in state of Maharashtra on Built Operate & Transfer (BOT) Basis.

Main responsibilities : The main responsibilities were to review and modifying the design of highway elements, prepared by the concessionaire (Gammon India), as a design engineer of Independent Consultant. Assist team leader to finalize and approve the designs of highway elements i.e. horizontal and vertical alignment, cross-sectional elements, bus layby, truck parking, toll plaza and drainage structures etc for NHAI (National Highway Authority of India).

Assist international road safety expert to prepare road safety report, road safety checklists, identifying blackspot and plan for preventive measures.

The duty also includes checking and finalizing the alignment layout (as per coordinates) at construction site.

From June 2005 to May 2006 (India)

Employer : Secon Pvt Ltd, Bangalore

Position Held : Design Engineer

Project –1 : DPR for National Highways Authority of India, NH-47 from Kanyakumari to Trivendram (120Km.) in Kerala and Tamilnadu.

Project -2 : DPR, Integrated Road development Project for up gradation of Kanpur City Roads –Package C, for Kanpur Development Authority

Project –3 : DPR for National Highways Authority of India, NH-48 from Neelamangala to Hassan (162Km) in State of Karnataka.

Main responsibilities : The main responsibilities were to finalize the geometric design and cost estimate of highways as a part of the Detail Project Report (DPR) preparation for Highway Authority of India (NHAI). So involve and assist the design team on designing horizontal and vertical alignments, cross sectional elements, toll plaza, truck parking, cross drainage structures etc. Also involve and assist drafting team to prepare all type of working drawings.

I was also responsible for detail quantity calculation, preparation of cost estimates and rate analysis, using standard data book published by National Highway Authority of India (NHAI).

During this period played a key role in finalizing the geometric design and assist the team to prepare the Detail Project Report (DPR) of above-mentioned projects for Highway Authority of India (NHAI).

From November, 1999 to November 2001 (Nepal)

Employer	:	Rural Infrastructure Development Project (RIDP), Nepal.
Position Held	:	Site Overseer
Project	:	Rural Road Construction based on Green Road Approach, Baglung-Kusmisera section (20 km) and Baglung-Burtibang (105 km) funded by Asian development bank.
Main responsibilities	:	Main duty was the construction supervision of site. Involve on survey, designing road alignment and preparation of cost estimates, and rate analysis. As a site in charge responsible for day-to-day construction supervision, layout of retaining walls, toe walls, side drain etc. Play a key role on work valuation, preparation of interim/final bills and payment to working groups, contractors.
Paper presentation / publications/extra Curricular activities:		<p>Presented a paper in a National level competition (Mepco Schlenk Engineering college, affiliated to Anna university Tamil Nadu, India -23rd December 2003), titled Smart material & smart structure [Secured - second prize].</p> <p>Presented a paper in inter college paper presentation competition (At UBDT Davangere 8th December 2003), titled Innovative Constructional Materials.</p> <p>Presented a paper in state level competition (At JNNCE Shimoga-29th April 2004), titled Intelligent Transport System [Secured-second prize].</p> <p>Technical article "Earthquake and Seismic Design" has been published in TECHZINE-2003.</p> <p>Secured Third prize in a state level Technical Quiz Competition in Techzone-30 April 2004</p> <p>Selected and worked as a Coordinator of Janvey -2004 JNNCE, Shimoga</p> <p>Worked as an organizer of a Technical Workshop on "Waste Management for Clean Environment" under Institution of Engineers (IEI –student chapter) India (30 May 2003)</p> <p>Selected and worked as a students' Representative of Civil Engineering Association JNNCE Shimoga.</p> <p>Participated and secured second prize in Skit Competition in an Inter College cultural Expo (at A.I.T Chikmagalur Chunchana -2004)</p> <p>Participated and secured second prize in Quiz Competition in an Inter College cultural Expo (at A.I.T Chikmagalur Chunchana -2004)</p>

References

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