

CONTRACT FOR CONSULTANT'S SERVICES Time-Based

**Project Name: Construction Supervision for Birgunj Drainage, Roads, Footpath,
Road Furniture, By-Pass Road and Bus-Bays works for Birgunj Metropolitan City**

between

**Birgunj Metropolitan City
Office of the Municipal Executive
Regional Urban Development Project
Project Implementation Unit
Birgunj, Parsa
2 No. Province, Nepal**

and

**Building Design Authority, (P) Ltd., Kamaladi, Kathmandu, Nepal
in Joint Venture with
B.N. Consultancy Pvt. Ltd. and Plush Engineers and Architects (P) Ltd.
Kamaladi, Kathmandu, Nepal**

19th November 2018



Chief Administrative Officer

I. Form of Contract

TIME-BASED

This CONTRACT (hereinafter called the "Contract") is made the 19th day of the November 2018, between, on the one hand, Birgunj Metropolitan City, Regional Urban Development Project, Project Implementation Unit Birgunj, Nepal (hereinafter called the "Client") and, on the other hand, a Joint Venture of Building Design Authority, (P) Ltd.(BDA), Kamaladi, Kathmandu, Nepal consisting of the following entities, each member of which will be jointly and severally liable to the Client for all the Consultant's obligations under this Contract, namely, B.N. Consultancy Pvt. Ltd.(BN) and Plush Engineers and Architects (P) Ltd. (Plush), Nepal (hereinafter called the "Consultant").

WHEREAS

- (a) the Client has requested the Consultant to provide certain consulting services as defined in this Contract (hereinafter called the "Services");
- (b) the Consultant, having represented to the Client that it has the required professional skills, expertise and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract;
- (c) the Client has received a loan from the Asian Development Bank: toward the cost of the Services and intends to apply a portion of the proceeds of this loan to eligible payments under this Contract, it being understood that (i) payments by the Bank will be made only at the request of the Client and upon approval by the Bank; (ii) such payments will be subject, in all respects, to the terms and conditions of the loan agreement, including prohibitions of withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Bank, is prohibited by the decision of the United Nations Security council taken under Chapter VII of the Charter of the United Nations; and (iii) no party other than the Client shall derive any rights from the loan agreement or have any claim to the loan proceeds;

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - (a) The General Conditions of Contract (including Attachment 1 "Bank Policy – Corrupt and Fraudulent Practices);
 - (b) The Special Conditions of Contract;
 - (c) Appendices:
 - Appendix A: Terms of Reference
 - Appendix B: Key Experts




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Appendix C: Remuneration Cost Estimates

Appendix D: Other Expenses, Provisional Sums and Contingency Cost Estimates

Appendix E: Form of Advance Payments Guarantee

In the event of any inconsistency between the documents, the following order of precedence shall prevail: the Special Conditions of Contract; the General Conditions of Contract, including Attachment 1; Appendix A; Appendix B; Appendix C; Appendix D; and Appendix E. Any reference to this Contract shall include, where the context permits, a reference to its Appendices.

2. The mutual rights and obligations of the Client and the Consultant shall be as set forth in the Contract, in particular:

- (a) the Consultant shall carry out the Services in accordance with the provisions of the Contract; and
- (b) the Client shall make payments to the Consultant in accordance with the provisions of the Contract.


IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on
behalf of RUDP, PIU, Birgunj
Metropolitan City, Birgunj, Parsa, Nepal

For and on behalf of Building Design
Authority, (P) Ltd., Kamaladi, Kathmandu,
Nepal in Joint Venture with B.N. Consultancy
Pvt. Ltd, and Plush Engineers and Architects
(P) Ltd, Nepal


Mr. Shiva Prasad Lamsal
For. Chief Administrative Officer


Office of the Municipal Executive
Parsa District
2 N. Province Nepal
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Er. Chandeshwar Mahato
Managing Director, Plush
Authorized Representative





Chief Administrative Officer **Mr. Vijay Kumar Sarawagi**
Mayor

Witness



Er. Shailendra Shrestha
Project Manager, RUDP, Birgunj


Mr. Suman Shrestha
Senior Account Officer, RUDP, PIU


Mr. Nagina Kumar Yadav, Engineer RUDP, PIU


Mr. Upendra Sah, Sub-Engineer RUDP, PIU


Mr. Pramod Kumar Singh, Account/ Administration Assistant RUDP, PIU


Er. Laxman Acharya
Managing Director, BN


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II. General Conditions of Contract

A. GENERAL PROVISIONS

1. Definitions

1.1. Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- (a) "Applicable Guidelines" means Guidelines on the Use of consultants by Asian Development Bank and its Borrowers.
- (b) "Applicable Law" means the laws and any other instruments having the force of law in the Client's country, or in such other country as may be specified in the **Special Conditions of Contract (SCC)**, as they may be issued and in force from time to time.
- (c) "Bank" means the Asian Development Bank.
- (d) "Borrower [or Recipient or Beneficiary]" means the Government, Government agency or other entity that signs the financing [or loan/grant/project] agreement with the Bank.
- (e) "Client" means [the implementing/ executing] agency that signs the Contract for the Services with the Selected Consultant.
- (f) "Consultant" means a legally-established professional consulting firm or entity selected by the Client to provide the Services under the signed Contract.
- (g) "Contract" means the legally binding written agreement signed between the Client and the Consultant and which includes all the attached documents listed in its paragraph 1 of the Form of Contract (the General Conditions (GCC), the Special Conditions (SCC), and the Appendices).
- (h) "Day" means a working day unless indicated otherwise.
- (i) "Effective Date" means the date on which this Contract comes into force and effect pursuant to Clause GCC 11.
- (j) "Experts" means, collectively, Key Experts, Non-Key Experts, or any other personnel of the Consultant, Sub-consultant or JV member(s) assigned by the Consultant to perform the Services or any part thereof under the Contract.
- (k) "Foreign Currency" means any currency other than the currency of the Client's country.
- (l) "GCC" means these General Conditions of Contract.
- (m) "Government" means the government of the Client's country.
- (n) "Joint Venture (JV)" means an association with or without a legal personality distinct from that of its members, of more than one entity



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where one member has the authority to conduct all businesses for and on behalf of any and all the members of the JV, and where the members of the JV are jointly and severally liable to the Client for the performance of the Contract.

- (o) "Key Expert(s)" means an individual professional whose skills, qualifications, knowledge and experience are critical to the performance of the Services under the Contract and whose Curricula Vitae (CV) was taken into account in the technical evaluation of the Consultant's proposal.
- (p) "Local Currency" means the currency of the Client's country.
- (q) "Non-Key Expert(s)" means an individual professional provided by the Consultant or its Sub-consultant to perform the Services or any part thereof under the Contract.
- (r) "Party" means the Client or the Consultant, as the case may be, and "Parties" means both of them.
- (s) "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented but not over-written.
- (t) "Services" means the work to be performed by the Consultant pursuant to this Contract, as described in Appendix A hereto.
- (u) "Sub-consultants" means an entity to whom/which the Consultant subcontracts any part of the Services while remaining solely liable for the execution of the Contract.
- (v) "Third Party" means any person or entity other than the Government, the Client, the Consultant or a Sub-consultant.

2. Relationship between the Parties

2.1. Nothing contained herein shall be construed as establishing a relationship of master and servant or of principal and agent as between the Client and the Consultant. The Consultant, subject to this Contract, has complete charge of the Experts and Sub-consultants, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

3. Law Governing Contract

3.1. This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.

4. Language

4.1. This Contract has been executed in the language specified in the SCC, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

5. Headings

5.1. The headings shall not limit, alter or affect the meaning of this Contract.

6. Communications

6.1. Any communication required or permitted to be given or made pursuant to this Contract shall be in writing in the language specified in Clause GCC 4. Any such notice, request or consent shall be deemed to have



Signature
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been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the address specified in the SCC.

6.2. A Party may change its address for notice hereunder by giving the other Party any communication of such change to the address specified in the SCC.

7. Location

7.1. The Services shall be performed at such locations as are specified in **Appendix A** hereto and, where the location of a particular task is not so specified, at such locations, whether in the Government's country or elsewhere, as the Client may approve.

8. Authority of Member in Charge

8.1. In case the Consultant is a Joint Venture, the members hereby authorize the member specified in the SCC to act on their behalf in exercising all the Consultant's rights and obligations towards the Client under this Contract, including without limitation the receiving of instructions and payments from the Client.

9. Authorized Representatives

9.1. Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the Client or the Consultant may be taken or executed by the officials specified in the SCC.

10. Corrupt and Fraudulent Practices

10.1. The Bank requires compliance with its policy in regard to corrupt and fraudulent/prohibited practices as set forth in **Attachment 1** to the GCC.

a. Commissions and Fees

10.2. The Client requires the Consultant to disclose any commissions, gratuities or fees that may have been paid or are to be paid to agents or any other party with respect to the selection process or execution of the Contract. The information disclosed must include at least the name and address of the agent or the other party, the amount and currency, and the purpose of the commission, gratuity or fee. Failure to disclose such commissions and gratuities may result in termination of the Contract.

B. COMMENCEMENT, COMPLETION, MODIFICATION AND TERMINATION OF CONTRACT

11. Effectiveness of Contract

11.1. This Contract shall come into force and effect on the date (the "Effective Date") of the Client's notice to the Consultant instructing the Consultant to begin carrying out the Services. This notice shall confirm that the effectiveness conditions, if any, listed in the SCC have been met.

12. Termination of Contract for Failure to Become Effective

12.1. If this Contract has not become effective within such time period after the date of Contract signature as specified in the SCC, either Party may, by not less than twenty two (22) days written notice to the other Party, declare this Contract to be null and void, and in the event of such a declaration by either Party, neither Party shall have any claim against the other Party with respect hereto.

13. Commencement of

13.1. The Consultant shall confirm availability of Key Experts and begin



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Services

carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

14. Expiration of Contract

14.1. Unless terminated earlier pursuant to Clause GCC 19 hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

15. Entire Agreement

15.1. This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

16. Modifications or Variations

16.1. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.

16.2. In cases of substantial modifications or variations, the prior written consent of the Bank is required.

17. Force Majeure**a. Definition**

17.1. For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible under the circumstances, and subject to those requirements, includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action confiscation or any other action by Government agencies.

17.2. Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or such Party's Experts, Sub-consultants or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected to both take into account at the time of the conclusion of this Contract, and avoid or overcome in the carrying out of its obligations hereunder.

17.3. Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

b. No Breach of Contract

17.4. The failure of a Party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.

c. Measures to be Taken

17.5. A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.



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17.6. A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) calendar days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible.

17.7. Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

17.8. During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultant, upon instructions by the Client, shall either:

- (a) demobilize, in which case the Consultant shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Client, in reactivating the Services; or
- (b) continue with the Services to the extent reasonably possible, in which case the Consultant shall continue to be paid under the terms of this Contract and be reimbursed for additional costs reasonably and necessarily incurred.

17.9. In the case of disagreement between the Parties as to the existence or extent of Force Majeure, the matter shall be settled according to Clauses GCC 48 & 49.

18. Suspension

18.1. The Client may, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fails to perform any of its obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the Consultant to remedy such failure within a period not exceeding thirty (30) calendar days after receipt by the Consultant of such notice of suspension.

19. Termination

19.1 This Contract may be terminated by either Party as per provisions set up below:

a. By the Client

19.1.1 The Client may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this Clause. In such an occurrence the Client shall give at least thirty (30) calendar days' written notice of termination to the Consultant in case of the events referred to in (a) through (d); at least sixty (60) calendar days' written notice in case of the event referred to in (e); and at least five (5) calendar days' written notice in case of the event referred to in (f):

- (a) If the Consultant fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of



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suspension pursuant to Clause GCC 18;

- (b) If the Consultant becomes (or, if the Consultant consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;
- (c) If the Consultant fails to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause GCC 49.1;
- (d) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days;
- (e) If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;
- (f) If the Consultant fails to confirm availability of Key Experts as required in Clause GCC 13.

19.1.2 Furthermore, if the Client determines that the Consultant has engaged in corrupt, fraudulent, collusive, coercive *[or obstructive]* practices, in competing for or in executing the Contract, then the Client may, after giving fourteen (14) calendar days written notice to the Consultant, terminate the Consultant's employment under the Contract.

b. By the Consultant

19.1.3 The Consultant may terminate this Contract, by not less than thirty (30) calendar days' written notice to the Client, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

- (a) If the Client fails to pay any money due to the Consultant pursuant to this Contract and not subject to dispute pursuant to Clauses GCC 49.1 within forty-five (45) calendar days after receiving written notice from the Consultant that such payment is overdue.
- (b) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) calendar days.
- (c) If the Client fails to comply with any final decision reached as a result of arbitration pursuant to Clause GCC 49.1.
- (d) If the Client is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Consultant may have subsequently approved in writing) following the receipt by the



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Client of the Consultant's notice specifying such breach.

c. Cessation of Rights and Obligations

19.1.4 Upon termination of this Contract pursuant to Clauses GCC 12 or GCC 19 hereof, or upon expiration of this Contract pursuant to Clause GCC 14, all rights and obligations of the Parties hereunder shall cease, except (i) such rights and obligations as may have accrued on the date of termination or expiration, (ii) the obligation of confidentiality set forth in Clause GCC 22, (iii) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause GCC 25, and (iv) any right which a Party may have under the Applicable Law.

d. Cessation of Services

19.1.5 Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GCC 19a or GCC 19b, the Consultant shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultant and equipment and materials furnished by the Client, the Consultant shall proceed as provided, respectively, by Clauses GCC 27 or GCC 28.

e. Payment upon Termination

19.1.6 Upon termination of this Contract, the Client shall make the following payments to the Consultant:

- (a) remuneration for Services satisfactorily performed prior to the effective date of termination, other expenses, provisional sums and contingency for expenditures actually incurred prior to the effective date of termination; and pursuant to Clause 42;
- (b) in the case of termination pursuant to paragraphs (d) and (e) of Clause GCC 19.1.1, reimbursement of any reasonable cost incidental to the prompt and orderly termination of this Contract, including the cost of the return travel of the Experts.

C. OBLIGATIONS OF THE CONSULTANT

20. General

a. Standard of Performance

20.1 The Consultant shall perform the Services and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with the third parties.

20.2 The Consultant shall employ and provide such qualified and experienced Experts and Sub-consultants as are required to carry out the



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Services.

20.3 The Consultant may subcontract part of the Services to an extent and with such Key Experts and Sub-consultants as may be approved in advance by the Client. Notwithstanding such approval, the Consultant shall retain full responsibility for the Services.

**b. Law
Applicable to
Services**

20.4 The Consultant shall perform the Services in accordance with the Contract and the Applicable Law and shall take all practicable steps to ensure that any of its Experts and Sub-consultants, comply with the Applicable Law.

20.5 Throughout the execution of the Contract, the Consultant shall comply with the import of goods and services prohibitions in the Client's country when

- (a) as a matter of law or official regulations, *[the Borrower's/ Beneficiary's]* country prohibits commercial relations with that country; or
- (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.

20.6 The Client shall notify the Consultant in writing of relevant local customs, and the Consultant shall, after such notification, respect such customs.

21. Conflict of Interests

21.1 The Consultant shall hold the Client's interests paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

**a. Consultant
Not to Benefit
from
Commissions,
Discounts, etc.**

21.1.1 The payment of the Consultant pursuant to GCC F (Clauses GCC 41 through 46) shall constitute the Consultant's only payment in connection with this Contract and, subject to Clause GCC 21.1.3, the Consultant shall not accept for its own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or in the discharge of its obligations hereunder, and the Consultant shall use its best efforts to ensure that any Sub-consultants, as well as the Experts and agents of either of them, similarly shall not receive any such additional payment.

21.1.2 Furthermore, if the Consultant, as part of the Services, has the responsibility of advising the Client on the procurement of goods, works or services, the Consultant shall comply with the Bank's Applicable Guidelines, and shall at all times exercise such responsibility in the best interest of the Client. Any discounts or commissions obtained by the Consultant in the exercise of such procurement responsibility shall be for the account of the Client.

b. Consultant



21.1.3 The Consultant agrees that, during the term of this Contract

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- and Affiliates Not to Engage in Certain Activities** and after its termination, the Consultant and any entity affiliated with the Consultant, as well as any Sub-consultants and any entity affiliated with such Sub-consultants, shall be disqualified from providing goods, works or non-consulting services resulting from or directly related to the Consultant's Services for the preparation or implementation of the project, unless otherwise indicated in the **SCC**.
- c. Prohibition of Conflicting Activities** 21.1.4 The Consultant shall not engage, and shall cause its Experts as well as its Sub-consultants not to engage, either directly or indirectly, in any business or professional activities that would conflict with the activities assigned to them under this Contract.
- d. Strict Duty to Disclose Conflicting Activities** 21.1.5 The Consultant has an obligation and shall ensure that its Experts and Sub-consultants shall have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of their Client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Contract.
- 22. Confidentiality** 22.1 Except with the prior written consent of the Client, the Consultant and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Experts make public the recommendations formulated in the course of, or as a result of, the Services.
- 23. Liability of the Consultant** 23.1 Subject to additional provisions, if any, set forth in the **SCC**, the Consultant's liability under this Contract shall be as determined under the Applicable Law.
- 24. Insurance to be Taken out by the Consultant** 24.1 The Consultant (i) shall take out and maintain, and shall cause any Sub-consultants to take out and maintain, at its (or the Sub-consultants', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverage specified in the **SCC**, and (ii) at the Client's request, shall provide evidence to the Client showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid. The Consultant shall ensure that such insurance is in place prior to commencing the Services as stated in Clause GCC 13.
- 25. Accounting, Inspection and Auditing** 25.1 The Consultant shall keep, and shall make all reasonable efforts to cause its Sub-consultants to keep, accurate and systematic accounts and records in respect of the Services and in such form and detail as will clearly identify relevant time changes and costs.
- 25.2. The Consultant shall permit and shall cause its Sub-consultants to permit, the Bank and/or persons appointed by the Bank to inspect the Site and/or all accounts and records relating to the performance of the Contract and the submission of the Proposal to provide the Services, and to have such accounts and records audited by auditors appointed by the Bank if

requested by the Bank. The Consultant's attention is drawn to Clause GCC 10 which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under this Clause GCC25.2 constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility under the Bank's prevailing sanctions procedures.)

26. Reporting Obligations

26.1 The Consultant shall submit to the Client the reports and documents specified in **Appendix A**, in the form, in the numbers and within the time periods set forth in the said Appendix.

27. Proprietary Rights of the Client in Reports and Records

27.1 Unless otherwise indicated in the SCC, all reports and relevant data and information such as maps, diagrams, plans, databases, other documents and software, supporting records or material compiled or prepared by the Consultant for the Client in the course of the Services shall be confidential and become and remain the absolute property of the Client. The Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents to the Client, together with a detailed inventory thereof. The Consultant may retain a copy of such documents, data and/or software but shall not use the same for purposes unrelated to this Contract without prior written approval of the Client.

27.2 If license agreements are necessary or appropriate between the Consultant and third parties for purposes of development of the plans, drawings, specifications, designs, databases, other documents and software, the Consultant shall obtain the Client's prior written approval to such agreements, and the Client shall be entitled at its discretion to require recovering the expenses related to the development of the program(s) concerned. Other restrictions about the future use of these documents and software, if any, shall be specified in the SCC.

28. Equipment, Vehicles and Materials

28.1 Equipment, vehicles and materials made available to the Consultant by the Client, or purchased by the Consultant wholly or partly with funds provided by the Client, shall be the property of the Client and shall be marked accordingly. Upon termination or expiration of this Contract, the Consultant shall make available to the Client an inventory of such equipment, vehicles and materials and shall dispose of such equipment, vehicles and materials in accordance with the Client's instructions. While in possession of such equipment, vehicles and materials, the Consultant, unless otherwise instructed by the Client in writing, shall insure them at the expense of the Client in an amount equal to their full replacement value.

28.2 Any equipment or materials brought by the Consultant or its Experts into the Client's country for the use either for the project or personal use shall remain the property of the Consultant or the Experts concerned, as applicable.

D. CONSULTANT'S EXPERTS AND SUB-CONSULTANTS

29. Description of Key Experts

29.1 The title, agreed job description, minimum qualification and time-input estimates to carry out the Services of each of the Consultant's Key



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Experts are described in **Appendix B**.

29.2 If required to comply with the provisions of Clause GCC 20a, adjustments with respect to the estimated time-input of Key Experts set forth in **Appendix B** may be made by the Consultant by a written notice to the Client, provided (i) that such adjustments shall not alter the original time-input estimates for any individual by more than 10% or one week, whichever is larger; and (ii) that the aggregate of such adjustments shall not cause payments under this Contract to exceed the ceilings set forth in Clause GCC 41.2.

29.3 If additional work is required beyond the scope of the Services specified in **Appendix A**, the estimated time-input for the Key Experts may be increased by agreement in writing between the Client and the Consultant. In case where payments under this Contract exceed the ceilings set forth in Clause GCC 41.1, the Parties shall sign a Contract amendment.

30. Replacement of Key Experts

30.1 Except as the Client may otherwise agree in writing, no changes shall be made in the Key Experts.

30.2 Notwithstanding the above, the substitution of Key Experts during Contract execution may be considered only based on the Consultant's written request and due to circumstances outside the reasonable control of the Consultant, including but not limited to death or medical incapacity. In such case, the Consultant shall forthwith provide as a replacement, a person of equivalent or better qualifications and experience, and at the same rate of remuneration.

31. Approval of Additional Key Experts

31.1 If during execution of the Contract, additional Key Experts are required to carry out the Services, the Consultant shall submit to the Client for review and approval a copy of their Curricula Vitae (CVs). If the Client does not object in writing (stating the reasons for the objection) within twenty two (22) days from the date of receipt of such CVs, such additional Key Experts shall be deemed to have been approved by the Client.

32. Removal of Experts or Sub-consultants

32.1 If the Client finds that any of the Experts or Sub-consultant has committed serious misconduct or has been charged with having committed a criminal action, or shall the Client determine that Consultant's Expert of Sub-consultant have engaged in corrupt, fraudulent, collusive, coercive [or obstructive] practice while performing the Services, the Consultant shall, at the Client's written request, provide a replacement.

32.2 In the event that any of Key Experts, Non-Key Experts or Sub-consultants is found by the Client to be incompetent or incapable in discharging assigned duties, the Client, specifying the grounds therefore, may request the Consultant to provide a replacement.

32.3 Any replacement of the removed Experts or Sub-consultants shall possess better qualifications and experience and shall be acceptable to the Client.

33. Replacement/

33.1 Except as the Client may otherwise agree, (i) the Consultant shall



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**Removal of Experts –
Impact on Payments**

bear all additional travel and other costs arising out of or incidental to any removal and/or replacement, and (ii) the remuneration to be paid for any of the Experts provided as a replacement shall not exceed the remuneration which would have been payable to the Experts replaced or removed.

**34. Working Hours,
Overtime, Leave, etc.**

34.1 Working hours and holidays for Experts are set forth in **Appendix B**. To account for travel time to/from the Client's country, experts carrying out Services inside the Client's country shall be deemed to have commenced or finished work in respect of the Services such number of days before their arrival in, or after their departure from, the Client's country as is specified in **Appendix B**.

34.2 The Experts shall not be entitled to be paid for overtime nor to take paid sick leave or vacation leave except as specified in **Appendix B**, and the Consultant's remuneration shall be deemed to cover these items.

34.3 Any taking of leave by Key Experts shall be subject to the prior approval by the Consultant who shall ensure that absence for leave purposes will not delay the progress and or impact adequate supervision of the Services.

E. OBLIGATIONS OF THE CLIENT**35. Assistance and
Exemptions**

35.1 Unless otherwise specified in the SCC, the Client shall use its best efforts to:

- (a) Assist the Consultant with obtaining work permits and such other documents as shall be necessary to enable the Consultant to perform the Services.
- (b) Assist the Consultant with promptly obtaining, for the Experts and, if appropriate, their eligible dependents, all necessary entry and exit visas, residence permits, exchange permits and any other documents required for their stay in the Client's country while carrying out the Services under the Contract.
- (c) Facilitate prompt clearance through customs of any property required for the Services and of the personal effects of the Experts and their eligible dependents.
- (d) Issue to officials, agents and representatives of the Government all such instructions and information as may be necessary or appropriate for the prompt and effective implementation of the Services.
- (e) Assist the Consultant and the Experts and any Sub-consultants employed by the Consultant for the Services with obtaining exemption from any requirement to register or obtain any permit to practice their profession or to establish themselves either individually or as a corporate entity in the Client's country according to the



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applicable law in the Client's country.

- (f) Assist the Consultant, any Sub-consultants and the Experts of either of them with obtaining the privilege, pursuant to the applicable law in the Client's country, of bringing into the Client's country reasonable amounts of foreign currency for the purposes of the Services or for the personal use of the Experts and of withdrawing any such amounts as may be earned therein by the Experts in the execution of the Services.
- (g) Provide to the Consultant any such other assistance as may be specified in the **SCC**.

36. Access to Project Site

36.1 The Client warrants that the Consultant shall have, free of charge, unimpeded access to the project site in respect of which access is required for the performance of the Services. The Client will be responsible for any damage to the project site or any property thereon resulting from such access and will indemnify the Consultant and each of the experts in respect of liability for any such damage, unless such damage is caused by the willful default or negligence of the Consultant or any Sub-consultants or the Experts of either of them.

37. Change in the Applicable Law Related to Taxes and Duties

37.1 If, after the date of this Contract, there is any change in the applicable law in the Client's country with respect to taxes and duties which increases or decreases the cost incurred by the Consultant in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the Consultant under this Contract shall be increased or decreased accordingly by agreement between the Parties hereto, and corresponding adjustments shall be made to the ceiling amounts specified in Clause GCC 41.1

38. Services, Facilities and Property of the Client

38.1 The Client shall make available to the Consultant and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference (**Appendix A**) at the times and in the manner specified in said **Appendix A**.

38.2 In case that such services, facilities and property shall not be made available to the Consultant as and when specified in **Appendix A**, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Consultant for the performance of the Services, (ii) the manner in which the Consultant shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Consultant as a result thereof pursuant to Clause GCC 41.3.

39. Counterpart Personnel

39.1 The Client shall make available to the Consultant free of charge such professional and support counterpart personnel, to be nominated by the Client with the Consultant's advice, if specified in **Appendix A**.

39.2 If counterpart personnel are not provided by the Client to the Consultant as and when specified in **Appendix A**, the Client and the Consultant shall agree on (i) how the affected part of the Services shall be carried out, and (ii) the additional payments, if any, to be made by the



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Client to the Consultant as a result thereof pursuant to Clause GCC 41.3.

39.3 Professional and support counterpart personnel, excluding Client's liaison personnel, shall work under the exclusive direction of the Consultant. If any member of the counterpart personnel fails to perform adequately any work assigned to such member by the Consultant that is consistent with the position occupied by such member, the Consultant may request the replacement of such member, and the Client shall not unreasonably refuse to act upon such request.

40. Payment Obligation

40.1 In consideration of the Services performed by the Consultant under this Contract, the Client shall make such payments to the Consultant and in such manner as is provided by GCC F below.

F. PAYMENTS TO THE CONSULTANT

41. Ceiling Amount

41.1 An estimate of the cost of the Services is set forth in **Appendix C** (Remuneration) and **Appendix D** (Other Expenses, Provisional Sums and Contingency).

41.2 Payments under this Contract shall not exceed the ceilings in foreign currency and in local currency specified in the **SCC**.

41.3 For any payments in excess of the ceilings specified in GCC41.2, an amendment to the Contract shall be signed by the Parties referring to the provision of this Contract that evokes such amendment.

42. Remuneration and Other Expenses, Provisional Sums and Contingency

42.1 The Client shall pay to the Consultant (i) remuneration that shall be determined on the basis of time actually spent by each Expert in the performance of the Services after the date of commencing of Services or such other date as the Parties shall agree in writing; and (ii) other expenses, provisional sums and contingency that are actually and reasonably incurred by the Consultant in the performance of the Services.

42.2 All payments shall be at the rates set forth in **Appendix C** and **Appendix D**.

42.3 Unless the **SCC** provides for the price adjustment of the remuneration rates, said remuneration shall be fixed for the duration of the Contract.

42.4 The remuneration rates shall cover: (i) such salaries and allowances as the Consultant shall have agreed to pay to the Experts as well as factors for social charges and overheads (bonuses or other means of profit-sharing shall not be allowed as an element of overheads), (ii) the cost of backstopping by home office staff not included in the Experts' list in **Appendix B**, (iii) the Consultant's profit, and (iv) any other items as specified in the **SCC**.

42.5 Any rates specified for Experts not yet appointed shall be provisional and shall be subject to revision, with the written approval of the



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Client, once the applicable remuneration rates and allowances are known.

43. Taxes and Duties

43.1 The Consultant, Sub-consultants and Experts are responsible for meeting any and all tax liabilities arising out of the Contract unless it is stated otherwise in the SCC.

43.2 As an exception to the above and as stated in the SCC, all local identifiable indirect taxes (itemized and finalized at Contract negotiations) are reimbursed to the Consultant or are paid by the Client on behalf of the Consultant.

44. Currency of Payment

44.1 Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

45. Mode of Billing and Payment

45.1 Billings and payments in respect of the Services shall be made as follows:

- (a) Advance payment. Within the number of days after the Effective Date, the Client shall pay to the Consultant an advance payment as specified in the SCC. Unless otherwise indicated in the SCC, an advance payment shall be made against an advance payment bank guarantee acceptable to the Client in an amount (or amounts) and in a currency (or currencies) specified in the SCC. Such guarantee (i) is to remain effective until the advance payment has been fully set off, and (ii) is to be in the form set forth in **Appendix E**, or in such other form as the Client shall have approved in writing. The advance payments will be set off by the Client in equal installments against the statements for the number of months of the Services specified in the SCC until said advance payments have been fully set off.
- (b) The Itemized Invoices. As soon as practicable and not later than fifteen (15) days after the end of each calendar month during the period of the Services, or after the end of each time interval otherwise indicated in the SCC, the Consultant shall submit to the Client, in duplicate, itemized invoices, accompanied by the receipts or other appropriate supporting documents, of the amounts payable pursuant to Clauses GCC 44 and GCC 45 for such interval, or any other period indicated in the SCC. Separate invoices shall be submitted for expenses incurred in foreign currency and in local currency. Each invoice shall show remuneration and reimbursable expenses separately.
- (c) The Client shall pay the Consultant's invoices within sixty (60) days after the receipt by the Client of such itemized invoices with supporting documents. Only such portion of an invoice that is not satisfactorily supported may be withheld from payment. Should any discrepancy be found to exist between actual payment and costs authorized to be incurred by the Consultant, the Client may add or subtract the difference from any subsequent payments.
- (d) The Final Payment. The final payment under this Clause shall be made only after the final report and a final invoice, identified as such, shall



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have been submitted by the Consultant and approved as satisfactory by the Client. The Services shall be deemed completed and finally accepted by the Client and the final report and final invoice shall be deemed approved by the Client as satisfactory ninety (90) calendar days after receipt of the final report and final invoice by the Client unless the Client, within such ninety (90) calendar day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report or final invoice. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated. Any amount that the Client has paid or has caused to be paid in accordance with this Clause in excess of the amounts payable in accordance with the provisions of this Contract shall be reimbursed by the Consultant to the Client within thirty (30) days after receipt by the Consultant of notice thereof. Any such claim by the Client for reimbursement must be made within twelve (12) calendar months after receipt by the Client of a final report and a final invoice approved by the Client in accordance with the above.

- (e) All payments under this Contract shall be made to the accounts of the Consultant specified in the SCC.
- (f) With the exception of the final payment under (d) above, payments do not constitute acceptance of the Services nor relieve the Consultant of any obligations hereunder.

46. Interest on Delayed Payments

46.1 If the Client had delayed payments beyond fifteen (15) days after the due date stated in Clause GCC 45.1 (c), interest shall be paid to the Consultant on any amount due by, not paid on, such due date for each day of delay at the annual rate stated in the SCC.

G. FAIRNESS AND GOOD FAITH

47. Good Faith

47.1 The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

H. SETTLEMENT OF DISPUTES

48. Amicable Settlement

48.1 The Parties shall seek to resolve any dispute amicably by mutual consultation.

48.2 If either Party objects to any action or inaction of the other Party, the objecting Party may file a written Notice of Dispute to the other Party providing in detail the basis of the dispute. The Party receiving the Notice of Dispute will consider it and respond in writing within fourteen (14) days after receipt. If that Party fails to respond within fourteen (14) days, or the dispute cannot be amicably settled within fourteen (14) days following the response of that Party, Clause GCC 49.1 shall apply.



49. Dispute Resolution

49.1 Any dispute between the Parties arising under or related to this Contract that cannot be settled amicably may be referred to by either Party to the adjudication/arbitration in accordance with the provisions specified in the SCC.

I. ELIGIBILITY**50. Eligibility**

50.1 Compliance with the Bank's eligibility policy is required throughout the Contract's execution.



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II. General Conditions

Attachment 1: Bank's Policy – Corrupt and Fraudulent Practices

[“Notes to the Client”: the text in this Attachment 1 shall not be modified]

ADB's anticorruption policy requires that borrowers (including beneficiaries of ADB-financed activity), as well as consultants under ADB-financed contracts, observe the highest standard of ethics during the selection process and in execution of such contracts. In pursuance of this policy, in the context of these Guidelines, ADB

(a) defines, for the purposes of this provision, the terms set forth below as follows:

- (i) A “corrupt practice” is the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- (ii) A “fraudulent practice” is any action or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) A “coercive practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
- (iv) A “collusive practice” is an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
- (v) Abuse, this is theft, waste, or improper use of assets related to ADB-related activity, either committed intentionally or through reckless disregard;
- (vi) Conflict of interest, which is any situation in which a party has interests that could improperly influence a party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations;
- (vii) “obstructive practice” is a) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an ADB investigation; b) making false statements to investigators in order to materially impede an ADB investigation; c) threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or d) materially impeding ADB's contractual rights of audit or access to information.
- (viii) These terms collectively are called “integrity violations.”



[Signature]
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- (b) will reject a proposal for an award if it determines that the consultant recommended for the award has directly, or through an agent, engaged in integrity violations in competing for the contract in question;
- (c) will cancel the portion of the financing allocated to a contract if it determines at any time that representatives of the borrower of ADB financing engaged in integrity violations during the consultant selection process or the execution of that contract, without the borrower having taken timely and appropriate action satisfactory to ADB to remedy the situation; and
- (d) will sanction a firm or individual, at any time, in accordance with ADB's Anticorruption Policy and Integrity Principles and Guidelines (both as amended from time to time), including declaring ineligible, either indefinitely or for a stated period of time, such consulting firm, individual or successor from participation in ADB-financed or ADB-administered activities or to benefit from an ADB-financed or ADB-administered contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in integrity violations or other prohibited practices.

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III. Special Conditions of Contract

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
1.1(b) and 3.1	The Contract shall be construed in accordance with the law of Nepal
4.1	The language is English.
6.1 and 6.2	<p>The addresses are:</p> <p>For the Client Attention: Mr. Shailendra Shrestha. Project Manager Regional Urban Development project Parsa, Nepal Telephone: + 977 51 525426 Facsimile: + 977 51 525185; E-mail: rudp.birganjsubmetro@gmail.com</p> <p>Consultant: Attention: Mr. Chandeshwar Mahato Managing Director Plush Engineers and Architects (P) Ltd., Kathmandu, Nepal Telephone: +977 1 4247706, +977 1 4247939 E-mail: Plushpvtltd@gmail.com</p>
8.1	The JV Member on behalf of the Plush Engineers and Architects, (P) Ltd., Kamaladi, Kathmandu
9.1	<p>The Authorized Representatives are:</p> <p>For the Client: Mr. Shailendra Shrestha, Project Manager, For the Consultant: Mr. Chandeshwar Mahato, Managing Director Plush Engineers and Architects (P.) Ltd. Kathmandu Nepal</p>
11.1	The effectiveness conditions are the following: NA
12.1	<p>Termination of Contract for Failure to Become Effective:</p> <p>The time period shall be two months.</p>

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13.1	<p>Commencement of Services:</p> <p>The number of days shall be seven.</p> <p>Confirmation of Key Experts' availability to start the Assignment shall be submitted to the Client in writing as a written statement signed by each Key Expert.</p>
14.1	<p>Expiration of Contract:</p> <p>The time period shall be Thirty(30) months.</p>
21 b.	<p>The Client reserves the right to determine on a case-by-case basis whether the Consultant should be disqualified from providing goods, works or non-consulting services due to a conflict of a nature described in Clause GCC 21.1.3</p> <p>Yes</p>
23.1	<p>The following limitation of the Consultant's Liability towards the Client can be subject to the Contract's negotiations:</p> <p>"Limitation of the Consultant's Liability towards the Client:</p> <p>(a) Except in the case of gross negligence or willful misconduct on the part of the Consultant or on the part of any person or a firm acting on behalf of the Consultant in carrying out the Services, the Consultant, with respect to damage caused by the Consultant to the Client's property, shall not be liable to the Client:</p> <p>(i) for any indirect or consequential loss or damage; and</p> <p>(ii) for any direct loss or damage that exceeds one times the total value of the Contract;</p> <p>(b) This limitation of liability shall not</p> <p>(i) affect the Consultant's liability, if any, for damage to Third Parties caused by the Consultant or any person or firm acting on behalf of the Consultant in carrying out the Services;</p>
24.1	<p>The insurance coverage against the risks shall be as follows:</p> <p>(a) Professional liability insurance, with a minimum coverage of 4,00,00,000.00 (Forty Million Nepali Rupees);</p> <p>(b) Third Party motor vehicle liability insurance in respect of motor vehicles operated in the Client's country by the Consultant or its Experts or Sub-consultants, with a minimum coverage "in accordance with the applicable law of Nepal";</p>



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	<p>(c) Third Party liability insurance, with a minimum coverage "in accordance with the applicable law of Nepal";</p> <p>(d) employer's liability and workers' compensation insurance in respect of the experts and Sub-consultants in accordance with the relevant provisions of the applicable law of Nepal, as well as, with respect to such Experts, any such life, health, accident, travel or other insurance as may be appropriate; and</p> <p>(e) insurance against loss of or damage to (i) equipment purchased in whole or in part with funds provided under this Contract, (ii) the Consultant's property used in the performance of the Services, and (iii) any documents prepared by the Consultant in the performance of the Services.</p>
41.2	The ceiling in local currency is NRs. 56,606,500.00. VAT chargeable in respect of this contract for the services will be added in the consultant's invoice.
42.3	<p>Price adjustment on the remuneration applies</p> <p>Payments for remuneration made in local currency shall be adjusted as follows:</p> <p>(1) Remuneration paid in local currency pursuant to the rates set forth in Appendix C shall be adjusted every 12 months (and, for the first time, with effect for the remuneration earned in the 13th calendar month after the date of the Contract) by applying the following formula:</p> $R_t = R_{t0} \times \left[0.1 + 0.9 \frac{I_t}{I_{t0}} \right]$ <p>where</p> <p>R_t is the adjusted remuneration;</p> <p>R_{t0} is the remuneration payable on the basis of the remuneration rates (Appendix C) in local currency;</p> <p>I_t is the official index for salaries in the Client's country for the first month for which the adjustment is to have effect; and</p> <p>I_{t0} is the official index for salaries in the Client's country for the month of the date of the Contract.</p> <p>Note: National Salary and Wages rate (Overall index) as per Nepal Rastra Bank publications shall be applicable for I_t and I_{t0}.</p>
43.1 and 43.2	The Consultants, the sub consultants and the experts are responsible for meeting any and all Tax liabilities other than Value Added Tax (VAT)

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	<p><i>arising from or under the Contract.</i></p> <p><i>The client shall pay (or reimbursable the consultant, the sub consultants and the experts) on behalf of the consultants, the sub consultants and the experts VAT imposed on the consultants, the sub consultants and experts arising from the contract under the laws of Nepal.</i></p>
44.1	The currency [currencies] of payment shall be the following: Nepali Rupees
45.1(a)	<p>The following provisions shall apply to the advance payment and the advance bank payment guarantee:</p> <p>(1) An advance payment of 20 % of Contract amount excluding VAT, Contingency and Provisional Sum in local currency shall be made within 28 days after the Effective Date. The advance payment will be set off by the Client in equal installments against the statements for the first 24 months of the Services until the advance payment has been fully set off.</p> <p>(2) The advance bank payment guarantee shall be in the amount and in the currency of the currency (ies) of the advance payment.</p>
45.1(e)	<p>The accounts are: To be inform later.</p> <p>for local currency: <i>[insert account]</i>.</p>
46.1	The interest rate is: 8%
49.	<p>Disputes shall be settled by arbitration in accordance with the following provisions:</p> <p>1. <u>Selection of Arbitrators.</u> Each dispute submitted by a Party to arbitration shall be heard by a sole arbitrator or an arbitration panel composed of three (3) arbitrators, in accordance with the following provisions:</p> <p>(a) Where the Parties agree that the dispute concerns a technical matter, they may agree to appoint a sole arbitrator or, failing agreement on the identity of such sole arbitrator within thirty (30) days after receipt by the other Party of the proposal of a name for such an appointment by the Party who initiated the proceedings, either Party may apply to NEPCA (Nepal Council of Arbitration) for a list of not fewer than five (5) nominees and, on receipt of such list, the Parties shall alternately strike names therefrom, and the last remaining nominee on the list shall be the</p>

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	<p>sole arbitrator for the matter in dispute. If the last remaining nominee has not been determined in this manner within sixty (60) days of the date of the list, NEPCA shall appoint, upon the request of either Party and from such list or otherwise, a sole arbitrator for the matter in dispute.</p> <p>(b) Where the Parties do not agree that the dispute concerns a technical matter, the Client and the Consultant shall each appoint one (1) arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the arbitrators named by the Parties do not succeed in appointing a third arbitrator within thirty (30) days after the latter of the two (2) arbitrators named by the Parties has been appointed, the third arbitrator shall, at the request of either Party, be appointed by NEPCA.</p> <p>(c) If, in a dispute subject to paragraph (b) above, one Party fails to appoint its arbitrator within thirty (30) days after the other Party has appointed its arbitrator, the Party which has named an arbitrator may apply to the NEPCA to appoint a sole arbitrator for the matter in dispute, and the arbitrator appointed pursuant to such application shall be the sole arbitrator for that dispute.</p>
	<p>2. <u>Rules of Procedure.</u> Except as otherwise stated herein, arbitration proceedings shall be conducted in accordance with the rules of procedure for arbitration of NEPCA or the United Nations Commission on International Trade Law (UNCITRAL) as in force on the date of this Contract.</p> <p>3. <u>Substitute Arbitrators.</u> If for any reason an arbitrator is unable to perform his/her function, a substitute shall be appointed in the same manner as the original arbitrator.</p> <p>4. <u>Nationality and Qualifications of Arbitrators.</u> The sole arbitrator or the third arbitrator appointed pursuant to paragraphs 1(a) through 1(c) above shall be a nationally recognized legal or technical expert with extensive experience in relation to the matter in dispute.</p>
	<p>5. <u>Miscellaneous.</u> In any arbitration proceeding hereunder:</p> <p>(a) proceedings shall, unless otherwise agreed by the Parties, be held in Nepal.</p> <p>(b) the language of the contract shall be the official language for all purposes; and</p> <p>(c) the decision of the sole arbitrator or of a majority of the arbitrators (or of the third arbitrator if there is no such majority)</p>



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	shall be final and binding and shall be enforceable in any court of competent jurisdiction, and the Parties hereby waive any objections to or claims of immunity in respect of such enforcement.
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Appendices

APPENDIX A – TERMS OF REFERENCE

APPENDIX B - KEY EXPERTS CV

APPENDIX C – REMUNERATION COST ESTIMATES

APPENDIX D – OTHER EXPENSES AND PROVISIONAL SUMS

APPENDIX E: FORM OF ADVANCE PAYMENTS GUARANTEE

APPENDIX F: WORKING AND MINING SCHEDULE




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Appendices




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Appendix-A

TERMS OF REFERENCE




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Government of Nepal
Ministry of Urban Development
Department of Urban Development and Building Construction
Regional Urban Development Project (RUDP)
Project Implementation Unit (PIU)
BIRGUNJ METROPOLITAN CITY, PARSA

Terms of Reference for Construction Supervision Consultant(CSC)

October 2018




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Terms of Reference

CONSULTING SERVICES FOR CONSTRUCTION SUPERVISION CONSULTANT

1. Objective

The objective of the Construction Supervision Consult services(CSC) is to facilitate the effective project implementation at the municipality level. The consultant will work under the supervision of the Project Manager in the Project Implementation Unit (PIU) of the municipality, and will assist the municipality in (i) supervising overall project implementation and management, (ii) construction management of subprojects,¹ (iii) ensuring proper monitoring of project activities, and (iv) preparing specific operation and maintenance plans for subprojects.

The selection and engagement of the CSC will be undertaken by Project Implementation Unit (PIU) in accordance with the Quality and Cost Based Selection (QCBS) procedure (Quality-Cost) set out in ADB's Guidelines on the Use of Consultants (2010, as amended from time to time). The cost for CSC will be financed by the Project. The CSCs will, through the PIUs, also report to the Project Coordination Office (PCO) which will guide, supervise and monitor the overall Project implementation and assist the PIU in reviewing all technical and other submissions from the CSC.

Separate consultants will assist the PCO in overall management and implementation of the Project, namely Project Management Consultant (PMC). The CSC is expected to commence the assignment by 1st November 2018. A total of 114 person months of national consulting services will be required for the CSC.

2. Project Background

GON is negotiating loan with Asian Development Bank for the Regional Urban Development Project(RUDP) in Nepal. The RUDP, in line with ADB's water and urban operation plans, will (a) construct and upgrade urban infrastructure in 8 towns in the Terai Region of Nepal and (b) improve operational effectiveness of these 8 municipalities. The project will also build institutional capacity of DUDBC for urban planning, project planning and project preparation in order to proactively shape urbanization in Nepal and implement the National Urban Development Strategy. Birganj is one of the 8 municipal towns included in the RUDP. This

¹ Subprojects are: (i) improvement and development of drainage systems; and (ii) improvement of urban roads and lanes.



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subcomponent of the RUDP covers the construction and improvement of drainage, roads and footpath in Birgunj Metropolitan City, Parsa.

3. Scope of Works

The scope of services of the CSC will include but not necessarily be limited to the following:

1. 3.1 Construction Management and Post Construction Phase

3.1.1 Construction Supervision

3.1.1(a) Quality Monitoring

- (i) Support the PIU to supervise all construction works to ensure quality of works as per technical specification, drawings, and condition of contract;
- (ii) Monitor and enforce Quality Assurance and Quality Control Plan;
- (iii) Monitor construction and quality control methods, certify that quality of works conform to the specifications and drawings, assess the adequacy of the contractor's inputs in material, labor and construction method, furnish all revisions and detailed drawings as necessary during the continuance of the contract; and
- (iv) Develop and maintain detailed record of work activities accomplished by the contractors. Prepare and review of bills submitted and claimed for payment by the contractor and forward to Project Manager with recommendations;

3.1.1(b) Environmental and Social Compliance Monitoring

- (i) Ensure all environmental requirements as reported in the EIA/IEE are incorporated into the bidding and contract documents;
- (ii) Assist the PIU in monitoring compliance with the EIA/ IEE and Resettlement Plans and any environmental and social development issues identified during supervision phase in co-ordination with PIU, PCO, NGOs and other stakeholders. Review the monthly progress reports submitted by the Contractor and field verify whether or not the Contractor has complied with the approved conditions as stated in the EMP;
- (iii) Assist PIU prepare quarterly monitoring and compliance reports for all works in accordance with resettlement plan for each of the subprojects and submit to PCO through PIU;
- (iv) Assist the PIU in updating and implementing the Environment Management Plan (EMP) and establishing a system and training staff to monitor the project's environmental indicators, review the data collected for the first year to evaluate the effectiveness with which the environmental mitigation and monitoring measures are implemented and recommend actions to be taken in



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- accordance with ADB's Safeguards Policy Statement (2009) and EIA/IEE prepared for the Project;
- (v) Assist the PIU in monitoring and enforcing, as detailed out in Safety Manual, the measures taken to ensure safety of the workers, other project personnel, general public and works; and
 - (vi) Support PIU for conducting regular review meetings, public hearings and public audit to seek opinions for improvement. This will help to develop feeling of ownership among the stakeholders.

3.1.1(c) Construction Site Management

- (i) Furnish detailed drawings to the contractors, check contractors' designs and drawings wherever applicable.;
- (ii) Assess and enforce, as per standard Construction Management System, the adequacy of contractors' inputs in terms of materials, equipments, construction machinery, workers, funds and construction approach and methodologies;
- (iii) Prepare measurements for completed works in progress, verify interim claims & bills for payments and forward to Project Manager with recommendations;
- (iv) Review and examine the process of passing of contractor's bills and payments to contractors with special emphasis on minimizing the time taken in submission of a bill by the contractor and payment received by the contractor against such bill.

3.1.2 Post Construction Support

- (i) Prepare operation and maintenance procedures and check installation and commissioning;
- (ii) Provide sufficient on the job training to the PIU about the subprojects and its operation and maintenance;
- (iii) Provide Services during contract defect liability period

2. 3.2 Project Management at Municipal Level

- (i) Prepare a comprehensive implementation schedule and work plan for all subprojects supported under the project, covering all stages of the implementation process from field surveys and updated on a monthly basis;
- (ii) Build capacity of PIU on a regular basis in planning and managing all subprojects, and assist PIUs on the project management including monitoring risk, cost control, scheduling, monitoring progress, auditing, reporting and compliance monitoring;
- (iii) Assist PIU in reporting to the PCO and conducting regular stake holders meetings to discuss progress and issues related implementation, and prepare minutes for recording and circulation;



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- (iv) Assist PIU to develop and implement procedure for timely payments to the contractors and maintain subproject wise contract ledger;
- (v) Support PIU in conducting financial accounting, preparing project accounting reports, and administer the ADB loan and grant in accordance with ADB's disbursement guidelines and provide trainings to the PIU staff for the same;
- (vi) Assist PIU in ensuring compliance with all loan/grant covenants during implementation;
- (vii) Support PIU in obtaining, in a timely manner, the required clearances, permits, approvals, sanctions or any other information from relevant authorities so that the project activities are not unduly delayed;
- (viii) Identify municipal level mitigation measures to minimize Governance Risk elaborate in the Governance Risk Assessment and Management Plan for the project,
- (ix) Assist PIU in carrying out inter-utility management coordination during the project implementation; and
- (x) Assist the Municipality in the initial operation of the system built under the project. Support includes establishment or strengthening of units responsible for O&M of drainage system, and roads, and training to staff to a level and degree commensurate with the roles and functions of these units.

3. 3.3 Gender Equality and Social Inclusion (GESI) Mainstreaming at Municipal Level

- (i) Support municipality to establish GESI technical working team and orientation provided on their roles and responsibility. This will ensure to establish GESI institutional structure in municipality;
- (ii) Work closely with GESI technical working group to develop and implement the necessary interventions to revise systems, formats, mechanism and process of the municipality to integrate GESI mainstreaming in planning, budgeting and monitoring;
- (iii) Assist social development unit of the municipality to conduct regular coordination meeting;
- (iv) Assist social development unit to organize workshop to prepare a five-year work plan in participatory process for GESI mainstreaming in municipality and prepare annual work plan based on the five-year work plan;
- (v) Organize training including in-country exposure visit for GESI technical working team and social development unit staff in GESI mainstreaming tools and approaches and best practices of GESI in urban context;
- (vi) Conduct training of trainers for municipal staff on GESI mainstreaming in RUDP specific subsector in coordination with PCO/PMSC;
- (vii) Organize GESI mainstreaming training for municipal staff, municipal political body representatives including relevant agencies for wider understanding on



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- GESI; conduct consultation/workshops for concerned officials in municipality as and when necessary;
- (viii) Assist PIU to prepare and implement a detail municipal-level GESI implementation plan in the framework provided by PCO/PMSC and ensure integration of GESI in all project components; facilitate annual review of implementation plan;
 - (ix) Provide technical inputs to PIU for ensuring GESI targets and approaches in community development program in poverty clusters; and assist in monitoring and disaggregated data collection and reporting;
 - (x) Coordinate with PCO/PMSC GESI consultant for necessary inputs; and
 - (xi) Assist PIU to maintain gender, caste/ethnicity disaggregated data on all relevant project activities including poverty related information; and prepare progress reports on GESI implementation plan as required

4. Indicative Consulting Input

Key Professionals Staff	Person -month
Technical Staff	
Team Leader (Drainage Specialist)	30
Road Construction & Utility Coordination Specialist	15
Electrical Engineer	3
Gender and Social Inclusion (GESI) Expert	5
Social Safeguards Specialist	5
Environmental Safeguard Specialist	5
Construction Supervision Engineers x 2	60
Asset Management	3
<i>Subtotal- Technical Staff</i>	126

Support Staff	Person-months
Office Manager/Accountant-1 person	30
Office Administrator/Assistant -1 person	30
Driver	30
Peon	30



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Jr. Engineer * 4	120
Quantity Surveyor - I person	3
Amin (Surveyor) - person	6
<i>Subtotal- Support Staff</i>	249

4.1 Expert Qualifications

Team Leader / Drainage Engineer

Team Leader must have Bachelor degree in civil engineering/ Sanitary Engineering/ Environmental Engineering, or related discipline.

- Preferably Master degree in relevant engineering;
- Preferably 15 years of project management experience in infrastructure projects
- Experience in working in team of Design/Construction Supervision Consultant.
- Experience in planning, design and supervision of surface and subsurface drainages and sewerages.
- Demonstrated capabilities to lead multidisciplinary teams and to work with a range of different stakeholders
- Directly involved in multilateral funded projects such as ADB, WB etc
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing

The Team Leader will undertake the following, but not limited to:

- Design of sewerages and drainages;
- Review the designs and carry out necessary adjustments, revisions specific to the site conditions without increase in the overall cost as far as practicable in coordination with the PIU;
- Plan for mobilization of intermittent expert and full time experts such that their availability and the timing of requirements of work are properly matched and the time inputs in the consultancy contract is not exceeded;
- Ensure that the resident construction supervision engineers visit the site regularly, check the quality of works, carry out necessary tests, maintain daily site records, prepare monthly progress reports, and check the contractor's IPCs and recommend payments in a timely manner;
- Coordinate the works of other intermittent experts in a timely and effective manner;

- Review the contractor's claim, if any, in a timely manner and issue engineer's decision. Claims not settled and disputes arisen shall be referred to the dispute settlement mechanism provided in the contract without delay;
- Control variations and ensure that the essential variations orders are issued on time with clear indication of impacts on time and cost overruns in the contract;
- Interact with the PIU and concerned authorities in a timely manner to ensure timely handling of grievance and project completion without undue time and cost over-run;
- Ensure that as built drawings and maintenance manuals are prepared, concerned representative of the PIU/Municipality are given training and the project is handed over in a complete package.
- As a drainage expert, plan the surface and subsurface drainage system, guide the drainage design engineer in detail design of drainages.

Road Engineer Construction and Utility Coordination Specialist.

The expert must have demonstrated experience of working in roads and other government institutions. The basic requirements include:

- A master's degree in transportation/ highway engineering or related subjects
- Preferably 10 years of experience in design/supervision of roads with experience of implementing municipal roads/surface water drainage works / cycle ways and pedestrian access, street furniture and street lighting.
- Experience to include road alignments selection, soil and material investigations, pavement design and specifications
- Experience in preparation of estimates of various components of municipal roads/ highways and surface water drainage
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing.

The Road Engineer will undertake the following, but not limited to:

- Review the design of road components and make necessary adjustments to ensure fitness of purpose without increase in time and cost of construction;
- Assist the Team Leader timely and effectively.



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Electrical Engineer

The expert must have demonstrated experience of working in municipal areas or with government institutions. The basic requirements include:

- Bachelor's degree in electrical engineering or related subject.
- Preferably with 10 years experience in related field.
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing.

The Electrical Engineer will undertake the following, but not limited to:

- Review the design of the electrical components and provide necessary adjustments to ensure fitness of purpose without increase in time and cost of construction;
- Assist the Team Leader timely and effectively.

GESI and Social Development Expert

The consultant must have demonstrated experience of working with senior government officials. The basic requirements include:

- Master degree in social development / gender & development studies or related equivalent subjects preferably with 5 years of experience in mainstreaming, training and analysis of gender and social inclusion in projects and programs.
- Demonstrated experience of GESI concept and experience in GESI mainstreaming approaches. Basic understanding of urban development and skills for incorporating GESI in urban development approaches and interventions
- Interpersonal skills of clear communication and facilitation
- Experience of working in the project districts.

The Gender Equality and Social Inclusion (GESI) Social Development Expert will undertake the following, but not limited to:

- Ensure infrastructure designs are GESI responsive and constructed accordingly;
- Assist social development unit of the municipality to conduct regular coordination meeting;
- Assist social development unit to ensure that five-year as well as annual work plan of the Municipality has GESI elements in accordance to GESI policy. Organize experience sharing workshops for GESI technical working team and social

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development unit staff in GESI mainstreaming tools and approaches and best practices of GESI in urban context;

- Organize GESI mainstreaming training for municipal staff, municipal political body representatives including relevant agencies for wider understanding on GESI; conduct consultation/workshops for concerned officials in municipality as and when necessary;
- Design and organize orientation training for contractor and its personnel including labours on core labours standards, safety and security;
- Maintain disaggregated data of labours of Contractor and ensure equal wages for equal amount of work;
- Assist PIU to prepare and implement a detailed municipal-level GESI implementation plan in the framework provided by PCO/PMC and ensure integration of GESI in all project components; facilitate annual review of implementation plan;
- Coordinate with PCO/PMC GESI consultant for necessary inputs;
- Assist PIU to maintain gender, caste/ethnicity disaggregated data on all relevant project activities including poverty related information; and prepare progress reports on GESI implementation plan as required; and
- Prepare quarterly progress report and submit to PIU

Social Safeguard Expert

The consultant must have demonstrated experience of working with municipalities and other government officials. The basic requirements include:

- Master's degree in social sciences or related subject
- Preferably with 10 years of experience in preparation of social impact assessments and Resettlement Action Plans, with preference for urban infrastructure and development related projects
- Familiarity with applicable Nepalese legislation, especially related to land acquisition or expropriation
- Familiarity with ADB's SPS (2009) is desirable
- Skills in communicating with PAPs (Project Affected Persons), authorities and other stakeholders
- Experience with implementation of RAPs, including compensation, grievance redress, etc.
- Experience in the preparation of Social Impact Assessment Plans and Resettlement Plans
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing.



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The Social Safeguard Expert will undertake the following, but not limited to:

- Collect and compile the study reports relating to Social Impact Assessment Plans and Resettlement Action Plans;
- Interact and educate the project affected families relating to the scope of SIAP, RAP and social safeguard policies of GON and ADB;
- Assist the PIU in implementing the SIAP and RAP;

Assist the TL in matters relating to the implementation of SIAP and RAP and IPP, if any

Environmental Safeguard Expert

The consultant must have demonstrated experience of working with senior government officials. The basic requirements include:

- Master's degree in environmental sciences, natural resources management or.
- Preferably with 15 years' experience working in environmental management with experience in the preparation of EIA/IEE reports and implementing environmental management plans (EMP).
- Knowledge of environmental management tools, familiarity with applicable Nepalese legislation, especially related to environmental protection, IEE and EIA procedures and land acquisition or expropriation.
- He/she should have extensive experience working on environmental management plus health and safety issues but especially of urban nature with proven experience in working with a multi-stakeholder community. Relevant experience to urban sustainable development areas is preferred.
- High communication and presentation skills and excellent command of English and Nepali languages is important and with proven training and mentoring skill.
- Skills in communicating with authorities and other stakeholders.
- Experience of working for the Asian Development Bank (ADB) or other development partners' projects in the urban sector is highly desirable.

The Environmental Safeguard Expert will undertake the following, but not limited to:

- Ensure all environmental requirements as reported in the EIA/IEE are incorporated into the bidding and contract documents;
- Assist the PIU in monitoring compliance with the EIA/IEE and Resettlement Plans and any environmental and social development issues identified during supervision phase in co-ordination with PIU, PCO, and other stakeholders.

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Chief Administrative Officer

- Review the monthly progress reports submitted by the Contractor and field verify whether or not the Contractor has complied with the approved conditions as stated in the EMP;
- Assist PIU prepare quarterly monitoring and compliance reports for all works in accordance with resettlement plan for each of the subprojects and submit to PCO through PIU;
- Assist the PIU in updating and implementing the Environment Management Plan (EMP) and establishing a system and training staff to monitor the project's environmental indicators, review the data collected for the first year to evaluate the effectiveness with which the environmental mitigation and monitoring measures are implemented and recommend actions to be taken in accordance with ADB's Safeguards Policy Statement (2009) and EIA/IEE prepared for the Project;
- Assist the PIU in monitoring and enforcing, as detailed out in Safety Manual, the measures taken to ensure safety of the workers, other project personnel, general public and works; and
- Support PIU for conducting regular review meetings, public hearings and public audit to seek opinions for improvement. This will help to develop feeling of ownership among the stakeholders.

Construction Supervision Engineers

The consultant must have demonstrated experience of working with municipalities and other government officials. The basic requirements include:

- Bachelor's degree in civil engineering.
- Preferably with 10 years of supervision experience for urban infrastructure and development related projects
- Experience in supervision of road improvements/drainage projects
- With experience with large multilateral funded projects such as ADB, WB etc.
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing.

The Construction Supervision Engineer will undertake the following, but not limited to:

- Support the PIU to supervise all construction works to ensure quality of works as per technical specification, drawings, and condition of contract;
- Monitor and enforce Quality Assurance and Quality Control Plan;
- Monitor construction and quality control methods, certify that quality of works conform to the specifications and drawings, assess the adequacy of the





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contractor's inputs in material, labor and construction method, furnish all revisions and detailed drawings as necessary during the continuance of the contract;

- Develop and maintain detailed record of work activities accomplished by the contractors. Prepare and review of bills submitted and claimed for payment by the contractor and forward to Project Manager with recommendations;
- Furnish detailed drawings to the contractors, check contractors' designs and drawings wherever applicable.;
- Assess and enforce, as per standard Construction Management System, the adequacy of contractors' inputs in terms of materials, equipment, construction machinery, workers, funds and construction approach and methodologies;
- Prepare measurements for completed works in progress, verify interim claims & bills for payments and forward to Project Manager with recommendations;
- Review and examine the process of passing of contractor's bills and payments to contractors with special emphasis on minimizing the time taken in submission of a bill by the contractor and payment received by the contractor against such bill.
- Prepare operation and maintenance procedures and check installation and commissioning;
- Provide sufficient on the job training to the PIU about the subprojects and its operation and maintenance;
- Provide Services during contract defect liability period.

Asset Management Specialist

The expert must have demonstrated experience of working in municipal areas or with government institutions. The basic requirements include:

- Bachelor's degree in engineering or asset management/inventory or related subject.
- 5 years of experience in related field.
- Ability to work in an interdisciplinary team
- Skills in communicating with authorities and other stakeholders
- Demonstrated capabilities in report writing.

The Asset Management Specialist will undertake the following, but not limited to:



Chief Administrative Officer

- Prepare an inventory of municipal assets and establish an asset inventory and management system;
- Assist the Team Leader in implementing the asset management system.

5. Indicative Work plan

The supervision period for the Birganj Drainage, Roads, Footpath, Road Furniture, By-Pass Road and Bus Bays works is 30 (thirty) months. The Team leader and the Construction Supervision Engineers – 2 nos. are to be engaged full time for the entire period of 30 months of construction contract. Environmental Safeguard Expert and Social Safeguard Expert are to be engaged for 6 months each on intermittent basis so as to cover their services for the entire construction work. Other experts are to be engaged intermittently for a total of 2 to 3 months each spread over the entire period. The Team Leader shall be responsible for planning the inputs of the intermittent expert such that the entire supervision work is carried out smoothly without exceeding the person months.

6. Communications and Reporting

The reporting requirements of the SC is given in the Table - below.

Table-1

Reports	Timeline	Description
Monthly progress reports and quarterly progress reports	15 th day of every month and 15 th day after completion of each quarter.	<ul style="list-style-type: none"> • Progress on delivery of each of the outputs. • Disaggregated information on gender, caste and ethnic participation in training and works. • Key issues and constraints in implementation and construction. • Status of environmental and social safeguard requirements • Updated project schedule. • Updates physical progress and financial progress • Status of compliance of loan/grant covenants.
Semi-annual environmental	15 th day of the July 15 th day of the	<ul style="list-style-type: none"> • Following ADB's template



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monitoring Report	January	
Semi-annual safeguard monitoring report	15th day of the July 15th day of the January	• Following ADB's template
Annual progress report including annual environmental safeguard and social safeguard monitoring report	Each year	• Summary of reporting requirements outlined above for all aspects of works and activities under the Project.
Draft Final report	On the specified delivery dates	• Detailed draft final report for outputs, including status reports of all supervision and construction works, issues, all deliverables under the contracts.
Final report	One month prior to contract completion date	• Subproject completion report, and summary of all other reports, progress and issues under the project,

7. Counterpart Support by EA/IA

The Employer will provide the following inputs:

- Assistance in obtaining visas, residence permits, exchange permits and any other documents required for the Consultant in connection with the work; and
- Counterpart Engineers

8. Inputs to be provided by the Consultant

The Consultant will provide the following inputs:

- Transport from home office to Kathmandu and back.
- Local transport, including vehicles, drivers and fuel as required.
- Office space.
- Office facilities, such as computers, printers, photocopier, UPS, telephones, and fax with the required consumables.
- Support staffs and field technicians



Appendix-B

Key Experts Cv



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Appendix B:

B1: Key Expert

S.NO.	Experts	Name of Expert	Number of Person-Months	Remarks
1	Team Leader (Drainage Specialist)	Mr. Dhurba Raj Sharma	30	
2	Road Construction and Utility Coordination S	Mr. Chudamani Ghimire	15	
3	Electrical Engineer	Mr. Yam Nath Dallakoti	3	
4	Gender and Social Inclusion Expert (GESI)	Mr. Prakash Bhakta Shrestha	5	
5	Social Safeguard Specialist	Mr. Deependra Pokharel	5	
6	Environmental Safeguard Specialist	Mr. Surya Man Shakya	5	
7	Construction Supervision Engineer-1	Mr. Chandeshwar Mahato	30	
8	Construction Supervision Engineer-2	Mr. Kamal Narayan Sardar	30	
9	Asset Management Specialist	Mr. Laxman Acharya	3	
	Total		126	

B2: Non-Key Staff

S.NO.	Support Staff	Name	Number of Person-Months	Remarks
1	Office manager/ Accountant-1 person	To be Name	30	
2	Office Administrator/ Assistant - 1 person	To be Name	30	
3	Driver *1	To be Name	30	
4	Peon *1	To be Name	30	
5	Junior Engineer *4	To be Name	120	
6	Quantity Surveyor -1 person	To be Name	3	
7	Amin (Surveyor -1person	To be Name	6	
	Total		249	




 Birgaon Metropolitan City
 Office of the Municipal Executive
 Parsa District
 2 N. Province Nepal
 2074
 Chief Administrative Officer

FORM TECH-6: CURRICULUM VITAE (CV)

Position Title and No.:	K-1; Team Leader / Drainage Engineer
Name of the Firm	Building Design Authority (P).Ltd.
Name of Expert:	Mr. Dhruva Raj Sharma
Date of Birth:	30 th June 1940
Citizenship	Nepali

Education :

- Master of Science in Civil Engineering, (Specialization in Water Supply and Drainage), University of Rhode Island, USA, 1966
- B.Sc. Engineering (Civil), Vikram University, India, 1963

Other Trainings :

- "Auto civil plus 9.0 version" software training in water supply and sanitation design, conducted by CNC Pvt. Ltd. Kathmandu from March 15 to April 30, 2003.
- Training on Planning, Financing and Institution development in the Water Supply Sector, Thailand, 1992- 6 weeks.
- International Training on Water Quality Monitoring, Beijing, China, 1989 – 3 weeks.
- Project Feasibility Study and Urban Planning, Training Course under APO/ADB Programme, Philippines and Japan, 1973- 3 months.
- International Advanced Course on Water Resources Management, Italian University for Foreigners, Perugia, Italy, (6 months duration), 1987

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
July 2000– Till Date	Building Design Authority (P) Ltd. Position Held: Team Leader / Sr. Water Supply / Drainage & Sewerage Specialist Type of Employment: Full Time Reference Information: Name: Mr. Khem Dallakoti, Managing Director Tel: 977-1-4248200, E-mail: bda@info.com.np	Nepal	Ensure overall road, drainage & sewerage planning, design & construction supervision of urban project, management & construction supervision; implementation, planning & preparation of detail design & drawing of surface and subsurface drainage system including water supply and rehabilitation of urban roads; Ensure timely completion of all reports, preliminary designs, detailed design, reports, bid documents, construction drawings
March 2016 to December 2017	Plush Engineers and Architects (P) Ltd. Position Held: Team Leader / Sr. Water Supply / Drainage & Sewerage Specialist Type of Employment: Part Time Reference Information: Name: Mr. Triratna Shaky, Director Tel: 977-1-4247939 E-mail: plushpvtltd@gmail.com	Nepal	Ensure overall road, drainage & sewerage planning, design & construction supervision of urban project, management & construction supervision; implementation, administration of all RDSMC activities, planning & preparation of detail design & drawing of surface and subsurface drainage system including water supply and rehabilitation of urban roads; Ensure timely completion of all concept reports, feasibility reports, preliminary designs, detailed design, reports, bid documents, construction drawings,
June 1994 to June 2000	Multi-Disciplinary Consultants (P) Ltd. Position Held: Team Leader/ Sr. Water Supply and Drainage Engineer Type of Employment: Full Time Reference Information: Name: Mr. Badan Lal Nyachhyon Tel: 977-1-5525076 E-mail: mdc@multinepal.com	Nepal	Ensure overall road, drainage & sewerage planning, design & construction supervision of urban project, project management, review of existing report, design of water supply, sewerage & drainage system, preparation of quality and quantity control, supervision and monitoring construction, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.
1980 - Feb 1994	Nepal Water Supply Corporation (NWSC) Position Held: Team Leader/ Water Supply & Drainage Expert Type of Employment: Full Time Reference Information: Name: Mr. Pushpa Raj Bista Tel: 977-1-4006674	Nepal	Ensure overall road, drainage & sewerage planning, design & construction supervision of urban project, urban project management, Construction Management System, Preparation Administration Manual, review & finalization of detailed design of water supply, sewerage & drainage, Preparation of Quality and Quantity control, Supervision and monitoring construction, Monitor & enforce safety manual, ensure safety of the workers

Membership of Professional Associations and Publications :

- Life Member, Nepal Engineers Association
- Life Member, Society of Public Health Engineers, Nepal
- Registered Engineer- Nepal Engineering Council, No. 1265

Language Skills :

	Reading	Writing	Spoken
Nepali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Hindi	Excellent	Good	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
<ul style="list-style-type: none"> • Design of sewerages and drainages; • Review the designs and carry out 	Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP) (Additional Financing) Bratnagar Sub Metropolitan City ADB

necessary adjustments, revisions specific to the site conditions without increase in the overall cost as far as practicable in coordination with the PIU;

- Plan for mobilization of intermittent expert and full time experts such that their availability and the timing of requirements of work are properly matched and the time inputs in the consultancy contract is not exceeded;
- Ensure that the resident construction supervision engineers visit the site regularly, check the quality of works, carry out necessary tests, maintain daily site records, prepare monthly progress reports, and check the contractor's IPCs and recommend payments to the Project Manager in a timely manner;
- Coordinate the works of other intermittent experts in a timely and effective manner;
- Review the contractor's claim, if any, in a timely manner and issue engineer's decision. Claims not settled and disputes arisen shall be referred to the dispute settlement mechanism provided in the contract without delay;
- Control variations and ensure that the essential variations orders are issued on time with clear indication of impacts on time and cost overruns in the contract;
- Interact with the PIU and concerned authorities in a timely manner to ensure timely handling of grievance and project completion without undue time and cost over-run;
- Ensure that as built drawings and maintenance manuals are prepared, concerned representative of the PIU/Municipality are given training and the project is handed over in a complete package.
- As a drainage expert, plan the surface and subsurface drainage system, guide the drainage design engineer in detail design of drainages.

funded Year: November 2016 to July 2017 (3 mm) **Location:** Biratnagar Sub Metropolitan City **Client:** RUDP **Project Cost:** NRs. 2 billion **Main project features:** Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system **Position held:** Team Leader / Drainage Design Engineer **Activities Performed:** Coordinate and liaison with client and other relevant stakeholders; supervise and ensure the overall urban project management; review and verify all available primary and secondary data, maps, reports and identify requirements for further surveys, studies and investigations; conduct surveys, investigations, and GIS base maps; finalize design criteria; undertake, update location and condition surveys for improvement and development of drainage systems; prepare drainage concept plan with maps; **planning & preparation of detail design & drawings of surface and subsurface drainage system including design for improvement of urban roads and lanes with adequacy of drainage system;** cost estimates, contract documentation, specifications, implementation schedule, financial and economic analysis etc; assisting in procurement of works, preparation of safeguard documents to the concerned specialists from the consultant side.

Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP), (Additional Financing) Birgunj Sub Metropolitan City **ADB funded Year:** November 2016 to July 2017 (3 mm) **Location:** Birgunj Sub Metropolitan City **Client:** RUDP **Project Cost:** NRs. 2 billion **Main project features:** Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system **Position held:** Team Leader / Drainage Design Engineer **Activities Performed:** Coordinate and liaison with client and other relevant stakeholders; supervise and ensure the overall urban project management; review and verify all available primary and secondary data, maps, reports and identify requirements for further surveys, studies and investigations; conduct surveys, investigations, and GIS base maps; finalize design criteria; undertake, update location and condition surveys for improvement and development of drainage systems; prepare drainage concept plan with maps; **planning & preparation of detail design & drawings of surface and subsurface drainage system including design for improvement of urban roads and lanes with adequacy of drainage system;** cost estimates, contract documentation, specifications, implementation schedule, financial and economic analysis etc; assisting in procurement of works, preparation of safeguard documents to the concerned specialists from the consultant side.

Name of assignment or project: Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects of Dhangadha, Parsa, Ratnanagar and Khalanga Municipalities Co-financing WSSP **Year:** March 2016 to December 2017 (16 mm) **Location:** Bharatpur Metropolitan City, Ratnanagar Municipality, Parsa Municipality and Bheri Malika Municipality **Client:** DWSS **Main project features:** Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects **Project Cost:** NRs. 1171 million **Position Held:** Team Leader / Sr. Water Supply / Drainage & Sewerage Specialist **Activities Performed:** Supervise and ensure the overall urban project management; Proactively plan and lead to achieve the objectives which may entail carrying out additional tasks/activities not mentioned in the scope of work; Co-ordinate with PMO, WSSDO, municipalities, WUA, public representatives, and other important stakeholders for effectively carrying out the required activities; Deploy, in a timely manner, adequate number of survey and design personnel as per the agreed terms; Ensure achievement of agreed periodic targets of physical progress by preparing detailed work schedule and monitoring of compliance with schedule; **planning & preparation of detail design & drawing of surface and subsurface drainage system, water supply system;** ensure timely completion of preliminary designs, detailed design reports, construction drawings and all as prescribed or desired by PMO; review the available data, reports and identify need and then plan and execute all necessary surveys, studies and investigations to prepare DPR.

Name of Assignment or Project: Third Small Towns Project in urban areas of Western Region; Design, Supervision and Management Consultant (WRDSMC) (Loan No.3157 NEP) **funded by ADB Year:** July 2015 to February 2016 (8 mm) **Location:** Bhimdutta Municipality, Panchapuri Municipality, Madhyabindu Municipality and Abukhaireni Rural Municipality **Client:** DWSS **Main Project Features:** Western region design, supervision and management for third small town urban water supply project, Population of Suda is 13,378; Abukhaireni is 9,469; Babiyaachaur is 5,561; Tamsaria is 15,028 **Project Cost:** NRs. 1.07 billion **Position Held:** Team Leader / Water Supply, Sewerage & Drainage Expert **Activities Performed:** Ensure overall urban project management & construction supervision; implementation, administration of all RDSMC activities, supervision of all RDSMC personnel in order to effectively implement the project; Proactively plan and lead to achieve the project objectives which may entail carrying out additional tasks/activities not mentioned in the scope of work; Co-ordinate with RPMO, WSSDO, WUSC, LBs, public representatives, and other important stakeholders for effectively carrying out project activities; Deploy, in a timely manner, adequate number of design and construction supervision personnel as per the agreed terms; Ensure achievement of agreed periodic targets of physical and financial progress by preparing detailed implementation schedule covering all phases (feasibility, design, and construction) and monitoring of compliance with schedules; **planning & preparation of detail design & drawing of surface and subsurface drainage system including water supply and rehabilitation of urban roads;** ensure timely completion of all concept reports, feasibility reports, preliminary designs, detailed design reports, bid documents, construction drawings, as-built drawings and all deliverables as prescribed; Ensure with RPMO, LBs and WUSCs in ensuring that all land required for the project is acquired or reserved as necessary; Develop a system for regular

water quality monitoring of drinking water and institutionalize a system for such testing and necessary corrective actions based on the test results; Ensure that each contractor customizes the template operation and maintenance (O&M) manual developed by the DRTAC for each subproject; Prepare, for each town, Base Maps in electronic GIS format with integrated spatial and attribute data base allowing details of all utilities (existing and newly constructed under the project) pertaining to Water Supply, Sanitation including Sewerage; and Drainage; Prepare Operations Manual in user-friendly language and format (usable by WUSCs) for carrying out Operations and Maintenance (O&M) of various systems developed during the town project; Review the available data, reports and identify needs and then plan and execute all necessary surveys, studies and investigations; Ensure timely completion of various manuals, guidelines, base maps and master plans as detailed out in scope of work; Support the RPMO in administration and management of all project activities.

Name of Assignment or Project: Feasibility Study, Design and Construction Supervision for Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP) Biratnagar Sub Metropolitan City funded by ADB Year: Jan 2012 – November 2013 (11 man months) **Location:** Biratnagar Sub Metropolitan City **Client:** PIU, STIUEIP **Project Cost:** NRs.3278,140,000.00 **Main project features:** The project covers 1 to 22 wards partly with population 96,433. The length of sewer line and drainage is 96 Km and the capacity of the treatment plant is 7.4 MLD **Position Held:** Team Leader / Drainage Engineer **Activities Performed:** Co-ordination with Team members, Municipality, Wards PIU and NGO's; Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management & construction supervision, administration of consulting services, Prepare project reports, Monitoring Review and establish of Design Criteria of Project & preparation of detailed design and construction supervision of road, sewerage, drainage & sewerage treatment plant. Appraisal, Check and review the feasibility study reports, supervise and monitor the progress on the sub projects, Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation, Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant, Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government etc.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design/ Construction Supervision, Drawings, Documentation, IEE Study Report of urban areas in Kakarvitta, Letang and Dhankuta Second Town Water Supply and Sanitation Sector Project (Batch II, Package IV) funded by ADB Year: August 2011 – June 2015 (36 mm) **Location:** Kakarvitta Municipality, Letang VDC and Dhankuta Municipality **Client:** DWSS, STWSSSP, PMO **Project Cost:** NRs. 960.45 million **Main project features:** total population 103,832, house connection 2690, 6 nos. of deep tube well and 2 nos. of new tubes well (150 – 200m), Water Treatment, Pressure Filter, Valve 174, Reservoir 100,100,60,240,300m³ etc. **Position Held:** Team Leader / Senior Water supply and Drainage Expert **Activities Performed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management & construction supervision; implementation, administration of consulting services, Review the available data, reports and identify need and then plan and execute all necessary surveys, studies and investigations to prepare DPR, ensure timely completion of preliminary designs, detailed design and construction supervision of water supply, sewerage & drainage of surface and subsurface system, rehabilitation of urban roads, construction drawings and all as prescribed or desired by PMO, Prepare project reports, Monitoring Review and establish of Design Criteria of the various Town Project, and Appraisal, Check and review the feasibility study reports, supervise and monitor the progress on the sub projects, Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation, Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant, Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government etc.

Name of Assignment or Project: Phewa Lake Waste Water Management Project in urban area of Pokhara Sub-metropolitan City Year: February 2011 – July 2011 (3 man months) **Location:** Pokhara Sub-metropolitan City **Client:** RMSO, DWSS, GON **Main project features:** Trunk sewer line along Phewa Lake (8 km), partial diversion of Phirke Khola and Seti Canal, secondary level conventional Waste Water Treatment Plant with ASP and sludge treatment for 57 MLD and natural cascade aeration for 20 MLD. **Total Project Cost:** NRs. 1,522 Million **Position held:** Team Leader / Drainage Engineer **Activities performed:** Co-ordination with Team members, Municipality, Wards, DWSS, RMSO, Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management, administration of consulting services, Prepare project reports, Establish Design Criteria & preparation of detailed design of sewer, drains, wastewater treatment plants, Prepare the feasibility study reports, Detailed engineering Designs and Drawings, Cost Estimates and Specifications of the Project items, Water quality monitoring of Phewa lake, Scoping and TOR document for EIA Study of the Project etc.

Name of Assignment or Project: Construction Supervision of Seven Contract Packages for Immediate Improvement Works Contract no KUKL/ DSC – 01 Melamchi Sub-Project -2 in urban areas of Kathmandu, Bhaktapur and Lalitpur Metropolitan Cities **ADB Financed Year:** March 2010 – July 2011 (7 mm) **Location:** Kathmandu, Bhaktapur and Lalitpur Metropolitan Cities **Client:** PID, KUKL Anamnagar, Kathmandu **Main project features:** Construction Supervision of One Waste Water Treatment Plant, one Disinfections Plant, Five New Tubs Well, One Central Laboratory and Three Water Supply Project. **Total Project Cost:** Nrs. 350 Million, Waste water treatment plant-24.56 Million, Disinfection Plant-17.13 Million **Position held:** Team Leader / Water Supply & Drainage Design Engineer **Activities performed:** Co-ordination with Team members, Municipality, Wards PID; Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management & construction supervision, administration of consulting services, preparation of detailed design of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads, construction supervision, prepare project reports, Weekly task and time allocation to team members, Work progress meeting with JV team member, Maintaining report and drawing products schedule, Giving feedback and exchanging outputs and information between members, Creating and maintaining a proper working environment for the team including the related administrative arrangements, Arranging progress meeting including progress reporting to and receiving feedback information and instructions from the Client and transferring them into outputs, General/contract administration, Contract management and Liaison with the allied agencies such as local administrative units/KUKL/PID etc.

Name of Assignment or Project: Feasibility Study and Detailed Engineering Design and Construction Supervision of Urban and Environmental Improvement Project, Dhulikhel (ADB Loan no 1966- NEP(SF) Year: March 2010 - March 2011 (7 mm) **Location:** Dhulikhel Municipality **Client:** UEIP, PIU Dhulikhel **Main project features:** Urban Water Supply, Gravity system, 8447 H/H, 55284 Population, 80 lps discharge, Sedimentation tank and rapid sand filtration unit, 4267 house connection, Sewerage 7400m, RBTP – 3 nos. and 350 M³ reservoirs & 180 KM pipeline distribution, **Total Project Cost:** Nrs. 453 Million, Sewerage-Nrs. 26 Million, RBTP Nrs 32.11 Million, Road 10.11 Million **Position held:** Team Leader / Sr. Water Supply cum Drainage Specialist **Activities performed:** Ensure overall urban project management, review and establish of design criteria of the various water supply, sewerage & drainage system and appraisal, Check and review the feasibility study reports, review the design concept, supervise and monitor the progress on the sub projects, detailed design of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads, project Formulation and implementation work, Planning and

Monitoring, Construction Supervision and implementation. Water quality, monitoring identify the waste water treatment requirement and detailed design of sewerage treatment plant, Assist Team Leader in prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government etc.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design & Construction Supervision of Urban Environmental Improvement Project, Hetauda (ADB Loan no 1966- NEP(SF) **Year :** January 2009 - February 2010 (13 man months) **Location :** Hetauda Municipality **Client:** UEIP, PIU Hetauda **Main project features:** Urban Water Supply, Gravity/Pumping systems, 8000 H/H, 50000 Population, 120 lps discharge, treatment plant – Auto wash filters, 2487 house connection, Sewerage 12472 m, RBTP- 3 nos, Road, 500M³ underground reservoir & 450M³ OHT, 53 KM pipeline distribution. **Total Project Cost:** 459 Million **Position held:** Team Leader / Sr. Water Supply cum Drainage Specialist **Activities preformed:** Ensure overall urban project management, review and establish of Design Criteria of the various Municipality Project, and Appraisal. Check and review the feasibility study report, review the design concept, **detailed design of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads**, supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant, Assist Team Leader in organize workshop with participate WUSC, Municipality, local Government etc.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of Damak, Phidim & Letang Urban Water Supply and Drainage Project (ADB Loan No. : 1755 (NEP)-SF) **Year:** December 2007 – December 2008 (12 man months) **Location:** Damak, Letang & Phidim Municipalities **Client:** DWSS, STWSSSP, PMO **Main project features:** Population of Damak 29,403, Drainage / Sewerage 6130 m, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Sedimentation tank, Aeration. Population of Letang 16,894, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration. Population of Phidim 8521, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 1592.21, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 557 Million **Position held:** Team Leader / Sr. Water Supply / Sewerage & Drainage Specialist **Activities preformed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Carryout day to day management activities, ensure overall urban project management, review the available data, reports and identify need and then plan and execute all necessary surveys, studies and investigations to prepare DPR, Ensure timely completion of preliminary designs, **detailed design of water supply, sewerage, drainage & water supply treatment plant**, construction drawings and all as prescribed or desired by PMO, Compile and submit deliverables to the Client, Overall control/management /administration of consulting services, Prepare project reports, Feasibility study and detail engineering design of project. **Design for wastewater system, treatment plant, pumps**, preparing the drawings, cost estimates, standard specifications & bid documents related to Drainage, sewerage and water supply system etc.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of Itahari-A,B, C and Belbari Town Urban Water Supply and Sanitation Projects (ADB Loan No. 1755 NEP (SEP) **Year:** March 2006- November 2007 (21 man months) **Location:** Itahari Municipality, Sunsari Districts and Belbari Municipality in Morang District **Client:** DWSS, STWSSSP, PMO **Project Cost:** NRs.259 Million. **Main project features:** The project consists of Four nos. of 450 m3 OHT, Six new deep tube-wells of depth 108-120m and improvement of existing Four deep tube wells, Ten nos. of pumps installation, 3 nos. of transformer, 4 set of generator 100KVA, 120.99 km distribution (HDPE and GI) and main pipe system, Four nos. of Water treatment plan 75 ltr/sec, 2400M storm Drainage and Public Toilets. **Position Held:** Team Leader/ Sr. Water Supply / Sewerage & Drainage Specialist **Activities Preformed:** Coordinate all the team members and act as project team leader, Carryout day to day management activities, review Consultants report, Compile and submit deliverables to the Client, ensure overall urban project management, administration of consulting services, Prepare and Review of existing report, Review and establish of Design Criteria of the Project, and Appraisal, Check and review the feasibility study reports, review the design concept, supervise and monitor the progress on the sub projects, **detailed design of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads**, Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government etc.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Mahendranagar Small Town Water Supply and Drainage Projects in urban area of Mahendranagar Municipality. (ADB Loan no 1755- NEP (SF) **Year:** December 2004 – February 2006 (15 man months) **Location:** Mahendranagar Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection 1200, 75KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. Drainage Nrs 11.25 Million **Position held:** Team Leader / Sr. Water Supply / Sewerage & Drainage Specialist **Activities preformed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management, Review the available data, reports and identify need and then plan and execute all necessary surveys, studies and investigations to prepare DPR, Ensure timely completion of preliminary designs, **detailed design and construction supervision of water supply, sewerage, drainage & water supply treatment plant, rehabilitation and reconstruction of urban roads** and all as prescribed or desired by PMO, Overall control/management /administration of consulting services, Prepare project reports, Review and establish of Design Criteria of the Project, and Appraisal. Check and review the feasibility study report, review the design concept, supervise and monitor the progress on the sub projects. Project Formulation and implementation work,

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Kohalpur Small Town Water Supply and Drainage Projects in urban area of Kohalpur Municipality. (ADB Loan no 1755- NEP (SF) **Year:** August 2003 – November 2004 (16 man months) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 83 Million Drainage Nrs 11.00 Million **Position held:** Team Leader / Sr. Water Supply / Sewerage & Drainage Specialist **Activities preformed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Carryout day to day management activities, Compile and submit deliverables to the Client, ensure overall urban project management, review the available data, reports and identify need and then plan and execute all necessary surveys, studies and investigations to prepare DPR, Ensure timely completion of preliminary designs, detailed design reports, **detailed design and construction supervision of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads** and all as prescribed or desired by PMO, Overall control/management /administration of consulting services,

Prepare project reports, Review and establish of Design Criteria of the Project, and Appraisal. Check and review the feasibility study report, Urban Planning, review the design concept, supervise and monitor the progress on the sub projects. Project Formulation and implementation work.

Name of Assignment or Project: Detailed Engineering of DNI Phase 'O' under project management consultancy for Melamchi Water Supply Project in urban areas of Kathmandu Metropolitan City **Year:** 2000-July 2003 (24 mm) **Location:** Kathmandu Metropolitan City **Client:** Melamchi Water Supply Project, PMC Kathmandu **Main project features:** DNI Phase 'O' works consisting of tertiary distribution network improvements including pipe replacements bulk meter requirements, improvements in intakes and treatment plants and tube wells/ pumping stations. Total different 5 contract packages (DED Sub team). **Total Project cost:** 400 Million **Position held:** Team Leader / Water Supply / Sewerage & Drainage Specialist **Activities performed:** Ensure overall urban project management, review of existing report, design of water supply, sewerage & drainage system, rehabilitation of urban roads, preparation of specification, bill of quantity, construction management system, preparation administration manual, preparation of quality and quantity control, supervision and monitoring construction, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.

Name of Assignment or Project: ADB IV Urban Water Supply and Sanitation Sector Project **Year:** 1996 – 2000 (36 man- months) **Location:** Amargadhi & Pokhara Municipality **Client:** DWSS **Main project features:** detailed engineering design & construction supervision of water supply, sewerage & drainage **Total Project cost** 250 Million **Position held:** Team Leader/ Water Supply cum Drainage Engineer **Activities performed:** Ensure overall urban project management, review of existing report, design of water supply, sewerage & drainage system, preparation of quality and quantity control, supervision and monitoring construction, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.

Name of Assignment or Project: ADB III Urban and Semi Urban Water Supply and Sanitation Sector Project. **Year:** 1994- 1996 (36 man-months) **Location:** Dhangadhi Municipality and all 9 districts of Far West Region **Client:** DWSS **Main project features:** Community based water supply and sanitation projects, 131 projects in Far West Region, Major subprojects – Bargada WSP in Kailali; Malakheti WSP in Kailali; Sahajpur WSP in Kailali Manilekh WSP in Dandeldhura. **Total Project cost** 280 Million. **Position held:** Team Leader / Sr. Water Supply and Sanitation Engineer **Activities performed:** Ensure overall urban project management, review of existing report, Preparation of Construction Management System & Administration Manual, Preparation of Quality and Quantity control, Supervision and monitoring construction, Preparation planned maintenance, Identification training requirement etc.

Name of Assignment or Project: Urban Water Supply and Sewerage Rehabilitation Project (IDA credit # 2239) **Year :** 1988 – 1994 (24 Man-Months) **Location:** Kathmandu, Lalitpur, Bhaktapur, Dharan, Biratnagar, Janakpur, Birgunj, Hetauda, Pokhara, Bhairahwa and Nepalgunj Municipalities **Client:** Nepal Water Supply Corporation **Main project features:** Rehabilitation of water supply and sewerage systems in different towns under NWSC (Water Sources Distribution System, Pumping System and Infrastructures) **Total Project cost:** 220 Million **Position held:** Team Leader/ Water Supply & Drainage Expert **Activities performed:** Ensure overall urban project management, Construction Management System, Preparation Administration Manual, review & finalization of detailed design of water supply, sewerage & drainage, rehabilitation of urban roads, Preparation of Quality and Quantity control, Supervision and monitoring construction, Monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, Preparation planned maintenance, Identification training requirements etc.

Name of Assignment or Project: Kathmandu Valley Urban Water Supply Projects **Year:** 1988 – 1993 (24 Man- Months) **Location:** Kathmandu and Lalitpur Municipalities **Client:** Nepal Water Supply Corporation **Main project features:** Nakhu WSP: a gravity flow scheme consisting of intake, pipe length-7.620 km; Nallu WSP: pumping scheme with sump well, pumps, pumping main, pressure filters; KTM water supply improvement project-JICA. Water Treatment plants of Mahankal Chaur. **Total Project cost** 190 Million **Position held:** Team Leader / Water Supply & Drainage Expert **Activities performed:** Ensure overall urban project management, Construction Management System, Preparation Administration Manual, review & finalization of detailed design of water supply, sewerage & drainage, rehabilitation of urban roads, preparation of quality and quantity control, supervision and monitoring construction, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.

Name of Assignment or Project: Monitoring and Evaluation of Urban & Semi Urban Water Supply / irrigation /Electricity Projects (Ministry of Water Resources) **Year:** 1985 – 1988 (24 man – months) **Location:** All over Nepal **Client:** Ministry of water Resources. **Main project features:** All water supply irrigation/ Electricity projects on the implementation by government departments **Position held:** Divisional Engineer **Activities performed:** Review of existing report, Construction Management System, Preparation Administration Manual, Supervision and monitoring construction, Monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, Preparation planned maintenance, Identification training requirements and overall project management.

Expert's Contact Information: (E-mail: dhrubarajsharma@gmail.com; Phone: + 977-9841221004)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA

Date: 7th October 2018
Day/Month/Year


STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Dhruba Raj Sharma
Position	K-1; Team Leader / Drainage Engineer
Signature	
Date	October 7, 2018



FORM TECH- 6 CURRICULUM VITAE

Position Title and No.	K-2; Road Construction & Utility Coordination Engineer
Name of Firm	B.N. Consultancy Pvt. Ltd.
Name of Expert	Mr. Chudamani Ghimire
Date of Birth	19 th July 1957
Citizenship	Nepali

Education :

- M. Sc. in Civil Engineering, 1987 (Specialization in Highway and Bridge) Moscow Automobile and Road Construction Institute, Moscow.
- Proficient Certificate Level in Civil Engineering, 1979. Institute of Engineering, Pulchowk, Lalitpur.

Other Trainings :

- 3 months Construction and Contract Management training course conducted by, 1987.
- Quality control training conducted by Crown Agents, United Kingdom held at Road Laboratory, DoR, Kathmandu. (Conducted from Oct 1988 to Nov 1988) One Day Workshop/Seminar on Reinforced Concrete Techniques in Seismic Zone-April 8, 1994. Organized by Nepal Engineering Association in association with Torsteel Research Foundation in India & Himal Iron & Steel (P.) Ltd. Kathmandu.
- 2 week training course on Civil Engineering Law and Contract Procedures conducted by Moscow Automobile and Road Construction Institute, Moscow, 1997.
- Road Maintenance Training, DfID, March 1997-August 1997
- 3 weeks training on World Bank Contract Procedures and Contract Document, Jan 1998.
- 1 month Computer Training; Auto CAD, Excel, Word, Microsoft Project 2000.
- 1 Weeks SW-Road Training, Conducted by Welink Consultant Baneshwor 2006.

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
2007 To till date (Intermittent)	B.N. Consultancy Pvt. Ltd. Position Held: Team Leader / Highway Engineer Type of Employment: Part time Reference Information: Name: Mr. Laxman Acharya, MD Tel: 977-9851095906 E-mail: bnconsultancy@gmail.com	Nepal	Responsible for i) Review feasibility design; Detailed survey, field investigation, traffic analysis & design of roads and highways ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation
March 2015 to till date (intermittent)	Telecommunication Consultants India Ltd. Position Held: Team Leader / Highway Engineer Type of Employment: Part time Reference Information: Name: Mr. A.K. Rastogi, ED Tel: +91-11-26202020 E-mail: tcil@tcil-india.com	Nepal	Responsible for i) joint survey, field investigation, traffic analysis & design of road ii) Preparing design report including design & cost estimate of road works (road geometry, pavement including sub-grade, sub-base, base, DBST, street furnitures & street lighting of municipalities), drainage, cross-drainage, retaining structures, slope stabilization works, road safety facilities, intersections and bus-bays iii) construction supervision of municipal roads, surface water drainage, pedestrian ways including road furnishing works etc.
January 2012 To April 2015 (intermittent)	SMEC Australia in association with Building Design Authority (P) Ltd. and CEMAT Consultant, Nepal Position Held: Highway Engineer / Roads Specialist Type of Employment: Part time Reference Information: Name: Mr. Khem Dallakoti, MD, BDA Tel: 977-1-4248200, E-mail: bda@info.com.np	Nepal	Responsible for i) Review feasibility design; Detailed survey, field investigation of roads ii) Preparing design report including design & cost estimate of road works, surface water drainage, cross-drainage & retaining structures, slope stabilization works, urban bus road safety facilities, intersections, roadside vegetation and preparation of Bidding documents iii) Construction supervision of municipal road including surface water drainage, pedestrian including road furniture works.
March 2010 To December 2011	CEMAT Consultants (P.) Ltd. Position Held: Deputy Team Leader / Roads Specialist Type of Employment: Full Time Reference Information: Name: Mr. Bal Sundar Malla Tel: 977-1-5520243 E-mail: cemat@wlink.com.np	Nepal	Responsible for i) Review feasibility design; Detailed survey, field investigation, traffic analysis & design of urban roads and highways ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, pedestrian road, intersections, roadside vegetation and preparation of Bidding documents.
May 2001 To June 2008	CEMAT Consultants (P.) Ltd. Position Held: Deputy Team Leader / Highway Engineer Type of Employment: Full Time Reference Information:	Nepal	Responsible for i) Detailed survey, field investigation, traffic analysis & design of Road Projects ii) Preparing design report including design & cost estimate of road works (road geometry, pavement including sub-grade, sub-base, base, DBST/Otta seal surfacing), drainage, cross-drainage, retaining structures, slope

	Name: Mr. Bal Sundar Malla Tel: 977-1-5520243 E-mail: cemat@wlink.com.np		stabilization works, road safety facilities, intersections and bus-bays etc; Design of low cost sealing OTTA SEAL
Dec 1991 To March 2001	Araniko Nirman Company P. Ltd. Position Held: Deputy Team Leader / Project Manager / Highway Engineer / Road Maintenance Engineer Type of Employment: Full Time Reference Information: Tel: 4474127 E-mail: arniko@mos.com.np	Nepal	Design review, site verification and design modification of bituminous surfaced urban road ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and As-built drawings iv) Overall construction management, planning and programming, supervision of construction works and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/people and arrangement of meetings etc.
August 1987 To November 1991	Gosaikunda Nirman Company P. Ltd. Position Held: Civil Engineer/Site Engineer Type of Employment: Full Time	Nepal	i) Design review, site verification and design modification of bituminous surfaced urban road ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and as built drawings iv) Overall construction management, planning and programming, supervision of construction works

Membership in Professional Associations and Publications:

- Member, Nepal Engineering Council (Regd. No. 2851)

Language Skills:

	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
Nepali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Hindi	Good	Good	Good
Russian	Good	Good	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
<ul style="list-style-type: none"> Review the design of road components and make necessary adjustments to ensure fitness of purpose without increase in time and cost of construction; Assist the Team Leader timely and effectively. 	<p>Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP), (Additional Financing) Biratnagar Sub Metropolitan City ADB funded Year: November 2016 to July 2017 (3 mm) Location: Biratnagar Sub Metropolitan City Client: RUDP Project Cost: NRs. 2 billion Main project features: Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system Position held: Road Utility Design Engineer Activities Performed: Preparation of design, cost estimate, BoQ, specification of urban roads including surface water drainage works, cycle ways and pedestrian access, street furniture and street lighting.</p> <p>Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP), (Additional Financing) Birgunj Sub Metropolitan City ADB funded Year: November 2016 to July 2017 (3 mm) Location: Birgunj Sub Metropolitan City Client: RUDP Project Cost: NRs. 2 billion Main project features: Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system Position held: Road Utility Design Engineer Activities Performed: Preparation of design, cost estimate, BoQ, specification of urban roads including surface water drainage works, cycle ways and pedestrian access, street furniture and street lighting.</p> <p>Name of Assignment or Project: Construction supervision of Beliya-Butwal Urban Road (6 lane) Year: March 2015 to till date (13 mm) Location: Butwal Sub-metropolitan City Client: Department of Roads Main Project Features: construction supervision of urban road Project Cost: NRs. 1.20 billion Position Held: Team Leader / Highway Engineer Activities Performed: Responsible for i) joint survey, field investigation, traffic analysis & design of road ii) Preparing design report including design & cost estimate of road works (road geometry, pavement including sub-grade, sub-base, base, DBST, street furnitures & street lighting of municipalities), drainage, cross-drainage, retaining structures, slope stabilization works, road safety facilities, intersections and bus-bays iii) construction supervision of municipal roads, surface water drainage, pedestrian ways including road furnishing works etc.</p> <p>Name of Assignment or Project: Consulting Services for detail engineering survey, design and Preparation of DPR of urban/semi-urban roads Chisapani (Dhanusha)- Dakaha - Chakmake - BahunTilping - Chandibhanjyang- Nawalpur Ghat- palapu (Okhaldhunga) Sindhuli, Total Road Length 69.40 Km, Madhutar - Ratomate Danda - Silame - Marin Khola Road, Sindhuli, Total Road Length 25.90 Km, Sundarijal - Thakani - Mahankal - helambu - Melamchi Sindhupalchowk, Total Road Length 58.6 Km, Syaulebari - Lokil - Yarsa - Gosaikunda Rasuwa, Total Road Length 30.5 Km; Year: December 2013 - November 2016 (24 mm) Location: Nepal Client: DOR Main Project Features: Detail engineering survey, design and report preparation Position Held: Highway Engineer Activities Performed: Responsible for i) Review feasibility design; detailed survey, field investigation, traffic analysis & design of roads and highways of various municipalities ii) Preparing design report including design & cost estimate of municipal road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting of municipalities), drainage, cross-drainage, surface water drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation and preparation of Bidding documents.</p> <p>Name of Assignment or Project: Feasibility Study, Design and Supervision of Secondary Towns Integrated Urban Environmental Improvement Project (STUIEP) Biratnagar Sub Metropolitan City ADB Loan No-2650 NEP (SF); Year: January 2012 - April 2015 (12 mm) Location: Biratnagar sub metropolitan City Client : Biratnagar Sub metropolitan city, PIU Main Project Features: Detail Survey and Design of 65 km length of bituminous road having width of 4m to 12m including pavement design Total Project Cost: NRs. 3,278,140,000.00 Position Held: Road Construction & Utility Coordination Engineer Activities Performed: Responsible for i) Review feasibility design; Detailed survey,</p>

field investigation of roads ii) Preparing design report including design & cost estimate of urban road works, surface water drainage, cross-drainage & retaining structures, slope stabilization works, urban bus road safety facilities, intersections, roadside vegetation, street furnitures & street lighting of municipalities and preparation of Bidding documents iii) Construction supervision of municipal road including surface water drainage, pedestrian including road furniture works.

Name of Assignment or Project: Feasibility Study, Design and Supervision of Secondary Towns Integrated Urban Environmental Improvement Project (STUIEP) Birgunj Sub Metropolitan City, **ADB Loan** No-2650 NEP (SF); **Year:** February 2012-September 2014 (12 mm) **Location:** Birgunj sub metropolitan City **Client:** Birgunj Sub metropolitan city, PIU **Main Project Features:** Detail Survey and Design of urban/municipal 36.3 Km length road and lane improvements and reinstatement with all necessary black top works etc. **Total Project Cost:** NRs. 3, 217, 650,000 **Position Held:** Road Construction & Utility Coordination Engineer **Activities Performed:** Responsible for i) Review feasibility design; Detailed survey, field investigation of urban roads ii) Preparing design report including design & cost estimate of urban municipal road works, surface water drainage, cross-drainage & retaining structures, slope stabilization works, bus road safety facilities, intersections, roadside vegetation, street furnitures & street lighting of municipalities and preparation of Bidding documents iii) Construction supervision of municipal road including surface water drainage, pedestrian including road furniture works.

Name of Assignment or Project: Consulting Services for detail engineering survey, design and construction supervision of intercepting sewers, service road, river training and other related works in urban area of Kathmandu Metropolitan city; **Year:** January 2012 – to March 2013 (14 mm) **Location :** Kathmandu Metropolitan city **Client :** High Powered Committee for Integrated Development of Bagmati Civilization **Main Project Features:** Municipality Trunk Sewers, urban Road 31.5 km, Bio engineering works, Green belt including pedestrian road, River Training **Total Project Cost:** NRs. 2000.8 Million **Position Held:** Highway Engineer/ Road Specialist **Activities Performed:** Design, cost estimate, Construction Supervision of urban municipal road works, surface water drainage, cross-drainage & retaining structures, slope stabilization works, bus road safety facilities, intersections, roadside vegetation, street furnitures & street lighting of municipalities; Verifying and endorsing bills for payment to the contractors / suppliers by the client, providing certification on the quality of the works accomplished and on their conformity to specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions; resolution of various other contractual issues and overall contract management of Municipality Trunk Sewers, urban Road, street furnitures & street lighting of municipalities, Bio engineering works, Green belt including pedestrian road, River Training etc.

Name of Assignment or Project: Road Connectivity Sector I Project, PPTA for Urban Sub-regional Transport Enhancement Project (VO 4), **ADB Grant Project** (Grant No. 0051-NEP) **Year:** March 2010 to Dec 2011 (21 mm) **Location:** Okhaldunga, Salleri, Sankhuwasaba, Siraha, Saptari, Rupandehi (Siddhartha Municipality), Banke (Nepalgunj Municipality) **Client:** DOR/RCSPP **Main Project Features:** Detailed survey, design, cost estimate and supervision for upgrading to bituminous paved roads. Project includes partially for Siddharthanagar Municipality and Nepalgunj Municipality **Position Held:** Deputy Team Leader / Roads Specialist **Activities Performed:** Responsible for i) Review feasibility study, detailed survey, field investigation, traffic analysis & design of municipal road, feeder roads and highways in urban and semi urban areas ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting of municipalities), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation and preparation of Bidding documents. **Project Cost (approx):** NRs 4 billion 900 million. Road Projects: Belbari – Chaurhara Road (47 km); Passing uraban areas like Lahan, Chainpur – Khandbari Road (44 km); Passing Chaipur and Khandbari towns, Harkapur – Okhaldhunga Road (42 km); Passing okhaldhunga town, Okhaldhunga Salleri Road (58 km); Passing Salleri Bazaar, Bhairahawa – Bypass (3.4 km); urban area of Bhairahawa town (for Siddharthanagar Municipality), Nepalgunj – Kohalpur Road (25 km); upgrading from existing two lane to four lane DBST passing urban areas of Nepalgunj and kohalpur (partially for Nepalgunj Municipality).

Name of Assignment or Project: Consulting Services for feasibility study, detail engineering survey, design and report preparation of Gankhet-Bagarkot-Rupalghat-Rupal-Sakayal-Kaipalmandu Road 52.00 Km **Year:** June 2010 to March 2012 (2 mm) **Location:** Amargadhi Municipality **Client:** DDC Dadeldhura **Main Project Features:** Feasibility study, detail engineering survey, design and report preparation **Position Held:** Team Leader/ Highway Engineer **Activities Performed:** Responsible for i) Review feasibility design; Detailed survey, field investigation, traffic analysis, cost estimate & design of urban/semi urban roads and highways ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation and preparation of Bidding documents.

Name of Assignment or Project: Consulting Services for feasibility study, detail engineering survey, design and report preparation of Laxmanghat- Tilaurakot and Gautam Buddha urban Ring Road 33 Km **Year:** June 2010 to March 2012 (2 mm) **Location:** Kapilvastu district **Client:** DDC Kapilvastu **Main Project Features:** Feasibility study, detail engineering survey, design, cost estimate and report preparation **Position Held:** Team Leader/ Highway Engineer **Activities Performed:** Responsible for i) Review feasibility design; Detailed survey, field investigation, traffic analysis, cost estimate & design of urban roads ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting of municipalities), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, pedestrian road, intersections, roadside vegetation and preparation of Bidding documents.

Name of Assignment or Project: Consulting Services for Feasibility Study, Detail engineering Survey, Design and Cost – estimation of Tamgash-Kharjyang-Balkot-Sandhikharka-Nuwakot-Pyuthan Road 53.50 Km **Year:** August 2007 to July 2008 (6 mm) **Location:** Arghakhanchi district **Client:** DDC Arghakhanchi **Main Project Features:** Feasibility study, detail engineering survey, design and report preparation **Position Held:** Team Leader/ Highway Engineer **Activities Performed:** Responsible for i) Review feasibility design; Detailed survey, field investigation, traffic analysis & design of roads and highways ii) Preparing design report including design & cost estimate of road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation and preparation of Bidding documents.

Name of Assignment or Project: Consulting Services for Feasibility Study, Detail engineering Survey, Design and Cost – estimation of Tamgash- Kerunga-Balkot-Mathurabesi-Wangla-Sandhikharka-Dharapani-Dhakabang- Pyuthan Road 56.50 Km **Year:** August 2007 to July 2008 (6 mm) **Location:** Arghakhanchi district **Client:** DDC Arghakhanchi **Main Project Features:** Feasibility study, detail engineering survey, design and report preparation **Position Held:** Team Leader/ Highway Engineer **Activities Performed:** Responsible for i) Review feasibility

design; Detailed survey, field investigation, traffic analysis & design of urban / semi urban roads and highways ii) Preparing design report including design & cost estimate of urban / semi urban road works (road geometry, pavement with subgrade, sub-base, base and DBST/asphalt concrete surfacing, street furnitures & street lighting of municipalities), drainage, cross-drainage & retaining structures, slope stabilization works, bus-bays, medians, road safety facilities, intersections, roadside vegetation and preparation of Bidding documents.

Name of Assignment or Project: Dualization & Lighting of Salalah-Thumrait Urban Road Project 75 km **Year:** July 2008 to October 2009 (15 mm) **Location:** Sultanate of Oman **Client:** Department of Roads and Land Transport/Sultanate of Oman **Main Project Features:** Design Review, Construction Supervision of national highway in Oman connecting the Capital Muscat with southern city Salalah with improvement of road from two to 4 lanes including road lighting **Position Held:** Deputy Team Leader/Roads Engineer **Activities Performed:** i) Design review, survey, investigation and design modification where required, construction supervision of urban roads, surface water drainage, cross-drainage, bus road safety facilities, intersections, roadside vegetation & street lighting and preparation of payment certificates ii) SDI survey of Road Pavement (75 Km) and execution and supervision of road lighting system on entire road length. iii) Involved in document study, conduct meeting, preparation of minutes, correspondences to the Engineer, Employer, different line ministries and other organizations related to the execution of project works iv) case study for various claims, preparation of claims etc. The road passes through two main urban areas Salalah and Thumrait of southern Oman. **Project cost (approx):** US\$ 130 million

Name of Assignment or Project: Road Connectivity Sector 1 Project in urban and semi-urban areas of Nepal (ADB funded) **Year:** May 2007 to June 2008 (13 mm) **Location:** Dolakha, Ramechhap, Panchthar, Taplejung, Nuwakot (Bidur Municipality), Rasuwa, Rupandehi (Siddhartha Municipality), Kapilbastu **Client:** DOR/RCSP **Main Project Features:** Detailed survey, design, cost estimate, field investigation and design for upgrading to bituminous paved roads. Project includes partially for Bidur Municipality **Position Held:** Deputy Team Leader / Highway Engineer **Activities Performed:** Responsible for i) Detailed survey, field investigation, traffic analysis & design of Road Projects ii) Preparing design report including design & cost estimate of road works (road geometry, pavement including sub-grade, sub-base, base, DBST/Otta seal surfacing, street furnitures & street lighting of municipalities), drainage, cross-drainage, retaining structures, slope stabilization works, road safety facilities, intersections and bus-bays iii) Construction supervision of municipal roads, surface water drainage, pedestrian ways including street lighting & road furnishing works etc. **Project cost (approx):** NRs 3 billion 400 million. Road Projects: Galchhi-Trishuli-Syaphrubesi Road (90km) Passing Trishuli and Dhunche (Partially for Bidur Municipality), Tamakoshi – Manthali Khurkot Road (55 km) Passing Manthali Bazaar, Phidim – Taplejung Road (83 km) Passing Phidim and Taplejung Bazaar.

Name of Assignment or Project: Goringha – Sandhikharka Road under IDA/World bank funded Road Maintenance and Development Project in urban/semi urban areas of Buddha Batika Municipality, Sit Ganga Municipality and Sandikharka Municipality **Year:** May 2001 to June 2006 (54 mm) **Location:** Kapilbastu & Arghakhachi / Terai, Hilly Region **Client:** DOR/RMDP **Main Project Features:** Survey, design, cost estimate and construction supervision of urban/semi urban roads; upgrading of earthen strategic 68 km road to gravel standard in first phase (contract ICB-03) included widening, provision of structures and drainage works. Upgrading of gravel road to sealing by introducing new sealing technology OTTA SEAL first ever in Nepal as a pilot project executed under contract ICB-04 **Position Held:** Deputy Team Leader / Highway Expert **Activities Performed:** Responsible for i) Review of design, survey and investigation, design modification where required as per site condition for urban municipal road works, surface water drainage, cross-drainage & retaining structures, slope stabilization works, bus road safety facilities, intersections, roadside vegetation, street furnitures & street lighting of municipalities; Preparation of International Competitive Bidding (ICB) and National Competitive Bidding (NCB) documents for Road Packages ii) Assist Project Director (DOR) in procurement of civil works that includes bid evaluation and recommendation for award of the contracts. iii) Design of low cost sealing OTTA SEAL which was introduced first time in Nepal iv) Geometric design using computer aided design software CIVILCAD v) Supervised and guided the survey verification team in data processing and production of necessary digital survey records including preparation of "As Built Drawings" using computer software and plotting machines vi) construction contract, supervision, quality control vii) implementation of Environmental Management Action Plan (EMAP), Social Action Plan which entail the activities related to RAP, PAPS, SPAFS etc. **Project Cost (approx):** NRs 250 million

Name of Assignment or Project: Malekhu–Dhading Besi Road Project in urban / semi urban areas of Nilkantha Municipality **Year:** January 1999 to March 2001 (18 mm) **Location:** Nilkantha Municipality, Dhading **Client:** DOR **Main Project Features:** Design Review and Construction Supervision of Road Project (9 Km). The works mainly included earth works, structures including bridges, pavement works comprising sub-base, base, DBST and Penetration Macadam. The project was also focused on EMAP compliance. Bio-engineering works were also intensively carried in this road. **Position Held:** Deputy Team Leader **Activities Performed:** i) Design review, site verification and design modification of bituminous surfaced road (9 km bituminous road) (Pavement design) in hilly region in Dhading District ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and As-built drawings iv) Overall construction management, planning and programming, construction supervision of municipal roads as well as feeder roads including surface water drainage, cross-drainage & retaining structures, slope stabilization works, bus road safety facilities, intersections, roadside vegetation, street furnitures & street lighting of municipality and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/ people and arrangement of meetings etc. vi) SDI Survey of Malekhu-Dhading Besi Road Pavement (9 Km). **Project Cost (approx):** NRs. 100 million

Name of Assignment or Project: Kakani – Trushuli Road Project ICB – 1*, ICB contract 27 km bituminous road in urban area of Bidur Municipality funded by World Bank **Year:** March 1997 to December 1998 (18 mm) **Location:** Nuwakot (Bidur Municipality) / Hilly Region **Client:** DOR **Main Project Features:** Design Review and Construction Review of Road Project. The works mainly included earth works, structures including bridges, pavement works comprising sub-base, base, DBST and Penetration Macadam. The project also focused on EMAP compliance. Bio-engineering works were also intensively carried in this road. The Project include partially for Bidur Municipality. **Position Held:** Deputy Team Leader / Highway Expert **Activities Performed:** i) Design review, cost estimation, site verification and design modification of bituminous surfaced road in hilly region in Nuwakot District ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and as built drawings iv) Overall construction management, planning and programming, Construction supervision of municipal roads, street furnitures & street lighting, surface water drainage, pedestrian ways including road furnishing works etc. and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/ people and arrangement of meetings etc. vi) SDI Survey of Road Pavement (27 Km). **Project Cost (approx):** NRs. 80 million

Name of Assignment or Project: East West Highway Project (connecting urban area of Dharan, Damauli and Biratnagar Municipalities) (ODA/DFID, British Govt. funded) **Year:** May 1993 to February 1997 (42 mm) **Location:** Dharan, Damauli, Biratnagar Municipalities **Client:** DOR **Main Project Features:** Survey, design and supervision works roads and Road Rehabilitation works consisting Surface water drainage, geometric improvement including different types of structures like open and cover drain, lined and unlined ditches, gabion and RRM confidence

blocks, retaining and breast walls, Hume pipe culverts, slab culverts, small span bridges, concrete and masonry chutes and cascade, existing bridge repairing, pavement edging kerbs, raised and flushed kerbs, road gateways, concrete rumble strips etc. and road works like embankment filling, benching to existing pavement for widening of road, formation preparation, sub base, base course, priming, surface dressing 1st seal & 2nd seal (pavement), premix carpeting. The Project includes partially Damak, Dharan and Biratnagar Municipalities **Position Held:** Project Manager/ Highway Engineer **Activities Performed:** i) Design review, site verification and design modification of bituminous surfaced road, street furnitures, street lighting, surface water drainage, pedestrian access road ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and as built drawings iv) Overall construction management, planning and programming, construction supervision of east-west highway and Dharan, Damak, Biratnagar municipal roads including surface water drainage & footpath and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/ people and arrangement of meetings etc. vi) SDI Survey of Road Pavement. **Project Cost (approx):** NRs. 350 million. Road Projects: Contract RC-4 from Durgapur-Jhiljhile (12km) Section an (ODA(now DFID) funded), LCB contract, Contract RC -2 Damak - Pathari urban road(14.7 Km) Section ODA(now DFID) funded Project, LCB contract. (for Damak Municipality), Dharan-Jogbani urban Road Rehabilitation (5.5 km) Contract-7, ODA(now DFID) funded LCB contract in Dharan Bazaar (for Dharan Municipality), Dharan - Jogabani urban Road Rehabilitation contract-2, Biratnagar Township (2.5Km) section, ODA (now DFID) funded LCB Contract (for Biratnagar Municipality).

Name of Assignment or Project: Thankot - Naubise Road Flood Rehabilitation Project (26 km) **ADB funded- ICB Contract.** **Year:** August 1992 to April 1993 (6 mm) **Location:** Kathmandu and Dhading **Client:** DOR **Main Project Features:** Scope of the works consisted of geometric improvement, hill cutting, embankment filling, concrete chute with energy dissipating blocks, concrete block paving in lay byes, construction of pipe and slab culverts etc. Landslide stabilization works consisting subsoil drains, gabion walls and mattress, checkdams, and retaining walls, breast walls, crib walls, catch drains, collector drains, masonry cascades etc. Flood Rehabilitation works consisting stream bank protection walls, stream bed lining, drop walls, retaining walls, flood diversion bunds, checkdams etc. **Position Held:** Project Manager **Activities Performed:** i) Design review, site verification and design modification of bituminous surfaced road, street furnitures & street lighting ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and as built drawings iv) Overall construction management, planning and programming, supervision of construction works and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/ people and arrangement of meetings etc. **Project Cost (approx):** NRs. 100 million

Name of Assignment or Project: Dharan - Jogabani Urban Road Rehabilitation contract - 3 (LCB) Bargachi - Duhabi Bridge (10.5 km.) section **(World Bank funded)** **Year:** December 1991 to July 1992 (7 mm) **Location:** Dharan Municipality **Client:** DOR **Main Project Features:** Road Rehabilitation Works consisting geometric improvement including different types of structures like open and cover drain, lined and unlined ditches, gabion and RRM confidence blocks, retaining and breast walls, Hume pipe culverts, slab culverts, small span bridges, concrete and masonry chutes and cascade, existing bridge repairing, pavement edging kerbs, raised and flushed kerbs, road gateways, concrete rumble strips etc. and road works like embankment filling, benching to existing pavement for widening of road, formation preparation, sub base, base course, priming, surface dressing 1st seal & 2nd seal (pavement), premix carpeting **Position Held:** Project Manager/Road Engineer **Activities Performed:** Design review, site verification and design modification where required including survey layout, data processing and production of necessary survey records. Overall Construction management, planning and programming for project implementation, correspondence, preparation of project reports, arrangement of progress review meetings, construction supervision of municipal roads, street furnitures & street lighting, surface water drainage, pedestrian ways including road furnishing works, monitoring of construction works and processing, working drawings and as-built drawings. **Project Cost (approx):** NRs. 50 million

Name of Assignment or Project: Hetuda -Narayangadh Urban Road Rehabilitation Project (41 km) an **ADB funded** **Year:** August 1987 to November 1991 (40 mm) **Location:** Hetauda & Bharatpur Municipalities **Client:** DOR **Main Project Features:** Detailed survey, design, cost estimation and construction supervision of Road Rehabilitation Works consisting geometric improvement including different types of structures like open and covered drain, lined and unlined ditches, gabion and RRM confidence blocks, retaining and breast walls, Hume pipe culverts, slab culverts, small span bridges, concrete and masonry chutes and cascade, existing bridge repairing etc. The Project includes partially Hetauda and Narayangadh Municipality **Position Held:** Project Manager/Road Maintenance Engineer **Activities Performed:** i) Design review, site verification and design modification of bituminous surfaced road ii) Carried out survey layout, data processing and production of necessary survey records iii) production of working drawings and as built drawings iv) Overall construction management, planning and programming, Construction supervision of municipal roads, street furnitures & street lighting, surface water drainage, pedestrian ways including road furnishing works and progress monitoring iv) Developing working drawings and processing as built drawings v) Preparation of IPCs, liaison with various organizations/ people and arrangement of meetings etc. **Project Cost (approx):** NRs. 50 million

Expert's contact information: (e-mail: chudamani_gh2003@yahoo.com, phone: +977-9851001788)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Full name of authorized representative: **Mr. Chandeshwar Mahato, Managing Director, REA**

Date: 7th October 2018
Day/Month/Year


STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Chudamani Ghimire
Position	K-2; Road Construction & Utility Coordination Engineer
Signature	
Date	October 7, 2018



FORM TECH-6: CURRICULUM VITAE (CV)

Position Title and No.:	K-3; Electrical Engineer
Name of the Firm	Plush Engineers and Architects (P) Ltd.
Name of Expert:	Mr. Yam Nath Dallakoti
Date of Birth:	7 th December 1965
Citizenship	Nepali

Education :

- Master in Electrical Engineering, with Honours, 1992, Specialization in Electric power supply of Industrial Enterprises, Towns and Farms, BPI, Minsk, USSR.

Other Training:

- Service and Repair Training of Olympus Microscope (One week Singapore), Jan. 2000
- Service and Repair Training of Electronic Balance (Scaltec) Hettich Centrifuge, "Gerhard" Digestion and Distillation Equipment (45 days, Germany) September, 2001
- Service and Repair Training of Atomic Absorption Photometer (15 days) Cambridge- United Kingdom, September, 2001

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
July 2015 to till date	Plush Engineers and Architects (P) Ltd. Position Held: Sr. Electrical / Electro-mechanical Engineer Type of Employment: Full Time Reference Information: Name: Mr. Triratna Shakya, Director Tel: 977-1-4247939 E-mail: plushpvtltd@gmail.com	Nepal	Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.
1993 to June 2015	Building Design Authority (P) Ltd. Position Held: Sr. Electrical / Electro-mechanical Engineer Type of Employment: Full Time Reference Information: Name: Mr. Khem Dallakoti, MD Tel: 977-1-4248200 E-mail: bdapvtltd@gmail.com	Nepal	Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Membership of Professional Associations and Publications :

- Member Nepal Engineering Council, 62 Electrical

Language Skills :

	Reading	Writing	Spoken
Nepali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Russian	Excellent	Excellent	Excellent

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
<ul style="list-style-type: none"> Review the design of the electrical components and provide necessary adjustments to ensure fitness of purpose without increase in time and cost of construction; Assist the Team Leader timely and effectively. 	<p>Name of assignment or project: Detailed engineering design study report with IEE study of Kapasetar Dulegauda Co-financing WSS Project in urban area of Shuklagandaki Municipality, Tanahu Year: November 2017 to January 2018 (3 mm) Location: Shuklagandaki Municipality Client: DWSS Main project features: Detailed engineering design study report with IEE study Project Cost: NRs. 235.02 million Position Held: Electrical / Electro-mechanical Engineer Activities Performed: Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.</p> <p>Name of assignment or project: Detailed engineering design study report with IEE study of Prabhas Co-financing WSS Project in urban area of Tansen Municipality, Palpa Year: June 2017 to October 2017 (3 mm) Location: Tansen Municipality Client: DWSS Main project features: Detailed engineering design study report with IEE study Project Cost: NRs. 172.15 million Position Held: Electrical / Electro-mechanical Engineer Activities Performed: Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including</p>

solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of assignment or project: Detailed engineering design study report with IEE study of Patan Naya Shahar Brihat Co-financing WSS Project in urban area of Patan Municipality, Baitadi **Year:** December 2016 to May 2017 (3 mm) **Location:** Patan Municipality **Client:** DWSS **Main project features:** Detailed engineering design study report with IEE study **Project Cost:** NRs. 185.15 million **Position Held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP), (Additional Financing) Birgunj Sub Metropolitan City **ADB funded Year:** November 2016 to July 2017 (3 mm) **Location:** Birgunj Sub Metropolitan City **Client:** RUDP **Project Cost:** NRs. 2 billion **Main project features:** Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of assignment or Project: Detailed Engineering Design of Regional Urban Development Project (RUDP), (Additional Financing) Biratnagar Sub Metropolitan City **ADB funded Year:** November 2016 to July 2017 (3 mm) **Location:** Biratnagar Sub Metropolitan City **Client:** RUDP **Project Cost:** NRs. 2 billion **Main project features:** Preliminary design, drawings, estimate, BOQ, specification for distribution network improvement, sewerage and urban development upon finalizing sewer network system **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of Assignment or Project: Third Small Towns Project in Urban areas of Western Region; Design, Supervision and Management Consultant (WRDSMC) (Loan No.3157 NEP) **funded by ADB Year:** July 2015 to till date (16 mm) **Location:** Bhimdutta Municipality, Panchapuri Municipality, Madhyabindu Municipality and Abukhaireni Rural Municipality **Client:** DWSS **Main Project Features:** Western region design, supervision and management for third small town water supply project, Population of Suda is 13,378; Abukhaireni is 9,469; Babiyaichaur is 5,561; Tamsaria is 15,028 **Project Cost:** NRs. 1.07 billion **Position Held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study, Detail Engineering Design and Construction Supervision for Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP), (Funded by ADB) Biratnagar Sub Metropolitan City **Year:** Jan 2012 – June 2015 (7 Man month) **Location:** Biratnagar Sub Metropolitan City **Client:** PIU, STIUEIP **Main Project Features:** The project covers 1 to 22 wards partly with population 96,433. The length of sewer line and drainage is 96 Km and the capacity of the Sewerage treatment plant is 7.4 MLD. **Total Project Cost:** NRs. 3278 million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study, Design and Construction Supervision for Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP) Birgunj Sub Metropolitan City (Funded by ADB) **Year:** Jan 2012 – July 2012 (7 Man month) **Location:** Birgunj Sub Metropolitan City **Client:** PIU, STIUEIP **Main Project Features:** Drainage and Sewerage System including road reinstatement 125 km/ two urban roads design at by pass area. **Total Project Cost:** NRs 2500 million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design/ Construction Supervision, Drawings, Documentation, IEE Study Report of urban area in Kakarvitta, Letang and Dhankuta Second Town Water Supply and Sanitation Sector Project (Batch II, Package IV) **funded by ADB Year:** December 2011 – March 2015 (15 man month) **Location:** Kakarvitta Municipality, Letang VDC and Dhankuta Municipality **Client:** DWSS, STWSSSP, PMO **Main Project Features:** total population 103,832 house connection 2690, Yield 124 lps, maintenance of 6 nos. of deep tube well and 2 nos. of new tubes well (150 – 200m), Pump 30HP, 22 HP, 17 HP, total distribution 238.37 km, Water Treatment, Pressure Filter, Valve 174, Reservoir 100,100,60,240,300m³ etc. **Total Project Cost:** NRs. 55.19 crore **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Consulting Services for detail engineering survey, design and construction supervision of intercepting sewers, service road, river training and other related works in urban area of Kathmandu Metropolitan City; **Year:** 2010-2012 (12 months) **Location:**

Kathmandu Metropolitan City Client: High Powered Committee for Integrated Development of Bagmati Civilization, Govt. of Nepal; **Main Project Features:** Municipality Trunk Sewers, urban Road 31.5 km, Bio engineering works, Green belt including pedestrian road, River Training **Total Project Cost:** NRs. 530.6 Million; **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or project: Feasibility Study and Detail Engineering Design & Construction Supervision of Urban Environmental Improvement Project, Hetauda (ADB Loan no 1966- NEP(SF) Year: March 2005 - December 2010 (18 man- months) **Location:** Hetauda Municipality **Client:** DUDBC, UEIP, PIU **Hetauda Main project features:** Urban Water Supply, Gravity/Pumping systems, 8000 H/H, 50000 Population, 120 lps discharge, treatment plant – Auto wash filters, 2487 house connection, Sewerage 12472 m, WWTP- 3 nos, Road, 500M³ underground reservoir & 450M³ OHT, 53 KM pipeline distribution. **Total Project Cost:** Nrs. 459 Million. Water Supply Nrs 192.433 Million, Sewerage-Nrs 145.08 Million, WWTP 42.124 Million, Supply of sewerage cleaning equipment Nrs 17.49 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or project: Feasibility Study and Detailed Engineering Design and Construction Supervision of Urban and Environmental Improvement Project, (ADB Loan no 1966- NEP(SF) Year: February 2005 - March 2011 (24 man-months) **Location :** Dhulikhel Municipality **Client:** DUDBC, UEIP, PIU **Dhulikhel Main project features:** Urban Water Supply, Gravity system, 8447 H/H, 55284 Population, 80 lps discharge, Sedimentation tank and rapid sand filtration unit, 4267 house connection, Sewerage 7400m, WWTP – 3 nos. and 350 M³ reservoirs & 180 KM pipeline distribution, **Total Project Cost:** NRs. 453 Million, Water Supply NRs 170 Million, Sewerage-NRs 26 Million, WWTP NRs 32.11 Million, Road 10.11 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of Damak Town Water Supply and Drainage Project in urban area of Damak Municipality (ADB Loan No. : 1755 (NEP)-SF) Year : 2007 – 2008 (3 man months) **Location :** Damak Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Population of 29,403, Drainage/ Sewerage 6130 m, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 232 Million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of Letang Town Water Supply Project in urban area of Letang (ADB Loan No. 1755 (NEP)-SF) Year: Year : 2007 – 2008 (3 man months) **Location:** Letang Towns **Client:** DWSS, STWSSSP, PMO **Main project features:** Population of 16,894, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 172 Million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of Phidim Town Water Supply Project in urban area of Phidim Municipality (ADB Loan No.: 1755 (NEP)-SF) Year: Year : 2007 – 2008 (3 man months) **Location:** Phidim Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Population of 8521, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 1592.21, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 153 Million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of Assignment or project: Feasibility Study and Detail Engineering Design and Construction Supervision of Kohalpur Small Town Water Supply and Drainage Projects in urban area of Kohalpur Municipality (ADB Loan no 1755- NEP (SF) Year: 2006 – 2008 (8 man-months) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** NRs. 83 Million Drainage, NRs 11.00 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Mahendranagar Small Town Water Supply and Drainage Projects in urban area of Mahendranagar Municipality. (ADB Loan no 1755- NEP (SF) Year: August 2003 – December 2009 (8 man months) **Location :** Mahendranagar Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection-200, 75KM pipeline distribution, Treatment units up-flow

and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. Drainage Nrs 11.25 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or project: Feasibility Study and Detail Engineering Design and Construction Supervision of Itahari Town Water Supply and Drainage Projects in urban area of Itahari Municipality. (ADB Loan no 1755- NEP(SF) **Year:** 2005-2009 (8 man-months) **Location :** Itahari Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 17760 H/H, 38913 Population, Drainage 750m, house connection- 5099, boreholes, 450M³ OHT, 91.99KM pipeline distribution, Treatment plant pressure filter units, office buildings, guard houses, Public toilets and Site developments. **Total Project Cost:** NRs.190 Million. Drainage .NRs 15.00 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Belbari Town Water Supply and Drainage Projects in urban area of Belbari Municipality. (ADB Loan no 1755- NEP(SF) **Year :** March 2005- December 2008 (8 man- months); **Location:** Belbari Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 2653 H/H, 14220 Population, Drainage 800m, house connection- 2477, boreholes, 450M³ OHT, 29 KM pipeline distribution, Treatment plant pressure filter units, office buildings, , guard houses, Public toilets and Site developments. **Total Project Cost:** Nrs.69 Million. Drainage Nrs 10.12 Million **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or project: Detailed Design, Drawing, Documentation and Construction Supervision of Urban Water Supply Project in the Lalitpur Metropolitan City **Year:** March 2007-March 2008 (3 Man-Months) **Location:** Lalitpur Metropolitan City **Client:** United Nation Children Fund, UNICEF **Main project features:** Generator house, well development- 5 wells, electrical systems, electromechanical system including 100KVA generators and submersible pumps, rainwater harvesting- 2 nos, Water treatment plants of 30cum/hr and 100 cum/hr capacities. **Total Project Cost:** Nrs.21.26 million **Position held:** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, design of wastewater pumps and others electro-mechanical items, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, installation and testing of electro-mechanical equipments, provide training to O and M staff.

Name of assignment or project: Detailed Engineering Design for Motipur Urban Water Supply Project **Year:** 2006 (4 man- months) **Location :** Motipur VDC, Kapilvastu **Client:** DDC Kapilvastu **Main project features:** Urban Water Supply, Pumping scheme consisting of Tubewell – 1, Distribution 9.87 Kms, Overhead Tank 100M³ – 1 nos and other appurtenances. **Total Project Cost:** NRs. 9 Million. **Position held :** Electrical / Electro-mechanical Engineer **Activities Performed:** Planning of electrical component, design & installation of electrical plant & equipment required for urban infrastructure; Electro-mechanical planning, preparation of design of electro-mechanical component of plant/ equipments of urban infrastructure project including solid waste management & water treatment plant, preparation of O and M manuals, preparation of contract and bid documents, rate analysis, cost estimate, BOQ, specification of electrical items, design of wastewater pumps and others electro-mechanical items, provide training to O and M staff.

Name of assignment or project: District Education Office (DEO) Complexes at Various places (Finance by IDA, DANIDA, DFID and Government of Finland) **Year:** 2005 (3 man- months) **Location:** Arghakhanchi, Gulmi, Dhading, Tehrathum, Dolkha, Ramechhap, Solkhumbu, Khotang and Panchathar **Client:** DOE **Main project features:** District Education Office Building. **Total Project Cost** NRs. 1125 Million. **Position held:** Electrical Engineer. **Activities performed:** Necessary plans, drawing and details for design of electrical component of Building Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, specification, report writing for electrical items of Building.

Name of assignment or project: Masterplanning & 1st Phase Feasibility/Detailed Engineering Design of Truck Park in Siddharthanagar Municipality, Rupandehi, Nepal. **Year:** Sept. 2004 – Feb. 2005 (3 man- months) **Location:** Siddharthanagar Municipality, Rupandehi, Nepal **Client:** Town Development Fund, New Baneshwor, Kathmandu **Total Project Cost** NRs. 50 Million. **Position held:** Electrical Engineer. **Activities performed :** Preparation of design of electrical component of plant/ equipments, preparation of O and M manuals, Inspecting and testing of electrical equipments, preparation of estimate, BOQ, specification of electrical items, design of water pumps, booster pumps, and others electrical items, provide training to O and M staff.

Name of assignment or project: Detail design and Construction Supervision of Storm water drainage & RCC Roads (Financed By Indian Embassy) **Year:** 2004-05 (4 Man-months) **Location:** Indian embassy, Kapurthara Marga KTM. **Client:** Indian Embassy. **Main project features:** storm water drainage 5Km roads 6km and Boundary wall **Position held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of urban drainage & roads, preparation of detailed electrical designs, inspecting, preparation of contract and bid documents, rate analysis, cost estimate, specification, installation and testing of electro-mechanical equipments.

Name of Assignment or Project: Detailed Engineering Design of DNI Phase 'O' under project management consultancy Melamchi Water Supply Project in urban area of Kathmandu Metropolitan City **Year:** 2000-July 2003 (12 mm) **Location:** Kathmandu Metropolitan City **Client:** Melamchi Water Supply Project, PMC Kathmandu **Main project features:** DNI Phase 'O' works consisting of tertiary distribution network improvements including pipe replacements bulk meter requirements, improvements in intakes and treatment plants and tube wells/ pumping stations. Total different 5 contract packages (DED Sub team). **Total Project cost:** 400 Million **Position Held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of urban drainage & roads, preparation of detailed electrical designs, preparation of contract and bid documents, rate analysis, cost estimate, specification.

Name of assignment or project: Design, documentation and construction supervision of Mahendra Police Club Drinking Water Supply and Swimming Pool project **Year:** 1999 - 2000 (3 man-months) **Location:** Kathmandu **Client:** Police headquarter, Naxal **Main project features:**

Swimming pool complex with 125m deep boaring, water treatment plant for drinking and swimming pool complex, canteen, toilets blocks and pavilions **Total Project Cost** Nrs. 12.5 Million. **Position held:** Electrical Engineer **Activities performed** Necessary plans, drawing and details for design of electrical component of building and water treatment plant Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, Specification, report writing for electrical items.

Name of assignment or project: Construction supervision of Municipal Buildings of Gaur Municipality. (TDF/ KfW funded) **Year:** 1997-1999 (3 Man-Months) **Location:** Gaur Municipality **Client:** TDF, New Baneshwar **Main project features:** RCC framed structure Municipal Office Building incorporating exposed machine made brick surface and RCC roofing consists of 17 rooms including a multipurpose hall & a meeting hall with all modern amenities viz, telephone, electrification, water supply, sanitation and sewerage facilities. Landscaping consists of WBM road, sitting plaza, flowerbed & brick masonry boundary wall. **Project Cost:** 7.88 millions **Position Held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of Building Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, Specification, report writing for electrical items of Building.

Name of assignment or project: A/E Design, Documentation and construction supervision and construction management of Population and Family Health Project (Group A and B) (World Bank financed) **Year:** 1995-1996 (4 man- Months) **Location:** 32 districts of Nepal **Client:** PHFP **Main project features:** 36 construction sites all over Nepal, OPD and Ward Blocks, Doctors' Quarters, Staff Quarters, Toilet Blocks, Landscaping and Allied Site Services. **Total Project Cost:** NRs. 198.280 Million. **Position Held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of Building, Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, Specification, report writing for electrical items of Building.

Name of assignment or project: Design, Documentation and construction supervision of Primary Education Development Project (ADB financed) **Year:** 1994-1996 (4 Man-Months) **Location:** Sanothimi, Bhaktapur **Client:** Ministry of Education, Culture & Social Welfare **Main project features:** Building complex, Training, Lecture Halls, Administrative block. Garages, Guard house, Pavement, Parking, Ponds, Footpaths, Frains, Plantation and Site development. **Total Project Cost:** NRs. 18 millions **Position Held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of Building Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, Specification, report writing for electrical items of Building.

Name of assignment or project: Design, Documentation and construction supervision of Part 1 and 2 Engineering Education Project (World Bank financed) **Year:** 1993-1994 (4 Man- Months) **Location:** Kathmandu **Client:** T.U **Main project features:** The project consisted of Renovation works of A,B,C,D,E,F,G and Library Block at Pulchowk and all major buildings at Thapathali Campus premises and New Construction of Mechanical and Civil Degree Blocks, Boys' Hostel, 27 Units of Staff Quarter at Pulchowk, Lalitpur and Students' Hostel & Administration Block at Thapathali, Lalitpur with all modern amenities, eg. Electrification, Sanitation, Plumbing, Sewerage, Telephone and hot and cold water supply. **Total Project Cost:** NRS. 176.34 Million. **Position Held:** Electrical Engineer **Activities performed:** Necessary plans, drawing and details for design of electrical component of Building Preparation of detailed Electrical designs, Preparation of contract and bid documents, Rate Analysis, cost estimate, Specification, report writing for electrical items of Building.

Expert's Contact Information: (E-mail: yamnath17@yahoo.in;

Phone: + 977-9841462935)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018
Day/Month/Year

Full name of authorized representative: **Mr. Chandeshwar Mahato, Managing Director, PEA**




STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Yam Nath Dallakoti
Position	K-3; Electrical Engineer
Signature	
Date	October 7, 2018



FORM TECH-6: CURRICULUM VITAE (CV)

Position Title and No	K-4, Gender and Social Inclusion (GESI) Expert
Name of Firm	Building Design Authority (P) Ltd.
Name of Expert	Mr. Prakash Bhakta Shrestha
Date of Birth	5 th June 1964
Citizenship	Nepali

Education :

- Masters degree in Sociology from Tribhuvan University, Kirtipur, 1995
- Bachelor degree in Economics from Dhankuta M. Campus. TU. 1990.

Other Trainings :

- SPSS (Statistical Package for Social Science) computer course (4 weeks) by Nagendra Bahadur Amatya, Jointly organized by NEA (Nepal engineer" association) and NQC (National Open College), Lalitpur, November 2005.
- Two days Skill Development Training on pre-feasibility site appraisal and orientation/training on monitoring & evaluation workshop organised by RWSSFDB Panipokhari, Kathmandu, April 2005.
- Seven day Training on Sustainable Livelihood and Right Based Approach: Analysis in Gender and Social Inclusion organized by CECI Kathmandu, August 2004.
- NFE/BLC Supervising (15 day training), organized by CECI Kathmandu, 1997
- Community Organization and Leadership Development (7 day), organized by PRAYATNA Nepal /CECI Kathmandu, 1997
- Participatory Gender Analysis (PGA) training (7 day training) organized by Didi-Bahini / CECI, Kathmandu. 1996.
- Seven days Training on "Training of Trainers on Gender and Development" Organized by SNV - Nepal, 1995
- Five days 'Report Writing Training', organized by Development Partners- Nepal, Battisputali, 1994

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
Feb 2003 – Till Date	Building Design Authority (P) Ltd, Position Held: Gender and Social Inclusion (GESI) Expert / Resettlement Expert Type of Employment: Full Time Reference Information Name: Mr. Khem Dallakoti, Managing Director Tel: 977-1-4248200, E-mail: bda@info.com.np	Nepal	Preparing Social Impact Assessment, Resettlement Plan or a Short Resettlement Plan (SRP) for project in accordance with ADB Guidelines; Verify target families and organize them into groups; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions
April 2011 – Dec 2012	Silt Consultancy (P) Ltd. Position Held: Gender and Social Inclusion Specialist / Resettlement Expert Type of Employment: Part Time Reference Information Name: Keshav Kunwar, Managing Director Tel: 977-1-4475139, E-mail: silt@mos.com.np	Nepal	Assist on mainstreaming gender and social inclusion in conjunction with emergency infrastructure rehabilitation caused by disaster, underlying issues and guidelines relevancy; Identify their need and potential in growing crops in different types of land Monitor social and conflict related impacts, including resettlement of the project.
Jan 2009 – April 2011	Full Bright Consultancy (P) Ltd Position Held: Gender and Social Inclusion Specialist Type of Employment: Part Time Reference Information Name: Gobinda KC, Managing Director Tel: 977-1- 4468749	Nepal	Monitor and enforce engagement of NGOs on a regularly basis and report engagement results to beneficiaries, Project Manager and ADB; Assist the PMU team to prepare beneficiary monitoring guidelines and guidelines on the non-quantifiable aspects of the project Assist with the implementation of the Gender Action
July 2001 – June 2002	Nepal Consult (P) Ltd. Position Held: Social Scientist Type of Employment: Part Time Reference Information Name: Prakash Rudra Shrestha, Director Tel: 977-1-5011673	Nepal	Responsible for;Verify information provided by Support Organization (SOs) in respective Progress Report / Proposals; Monitoring and evaluation of rural drinking water and sanitation of gravity and ground water schemes and assist to support the organization on software activities
March 1999 – Sept 2001	SOLVE Nepal Position Held: GESI / Resettlement Expert / Program Coordinator/ Sociologist Type of Employment: Part Time Reference Information Name: Rajendra Pradhan, Executive Director Tel: 977-1-472612 E-mail: solve@hons.com.np	Nepal	Responsible for;Coordinate all field level project activities and providing constant support to women's community based organization; Prepare Resettlement Plan, Gender Equity and Social Inclusion Action Plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, plan and implementation of public awareness campaign,
Jan 1995 – July 1997	PATRON Nepal Position Held: Gender and Social Inclusion Officer Type of Employment: Full Time	Nepal	Coordination all field level projects activities and providing constant support to community based organization (CBO); Identify basic needs of women that support income generating activities for women, and plan its implementation; Installed total

	Reference Information Name : Chandra Shrestha Tel: 977-1-520216; E-mail: pbs026@gmail.com		253 Bio-gas plant in Sriwani, Dhankuta
May 1990 – August 1994	East Consult (P) Ltd Position Held: Sociologist Type of Employment: Full Time Reference Information Name: Ishwor Raj Onta, Director	Nepal	Coordinate all field level project activities and providing constant support to Community Managed Irrigation System users groups;

Membership in Professional Associations and Publications:

- PATRON Nepal (An NGO, Gen. Secretary)

Language Skills :

	Speaking	Reading	Writing
Nepali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Hindi	Good	Good	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
<ul style="list-style-type: none"> Ensure infrastructure designs are GESI responsive and constructed accordingly; Assist social development unit of the municipality to conduct regular coordination meeting; Assist social development unit to ensure that five-year as well as annual work plan of the Municipality has GESI elements in accordance to GESI policy. Organize experience sharing workshops for GESI technical working team and social development unit staff in GESI mainstreaming tools and approaches and best practices of GESI in urban context; Organize GESI mainstreaming training for municipal staff, municipal political body representatives including relevant agencies for wider understanding on GESI; conduct consultation / workshops for concerned officials in municipality as and when necessary; Design and organize orientation training for contractor and its personnel including labours on core labours standards, safety and security; Maintain disaggregated data of labours of Contractor and ensure equal wages for equal amount of work; Assist PIU to prepare and implement a detailed municipal-level GESI implementation plan in the framework provided by PCO, PMC and ensure integration of GESI in all project components; facilitate annual review of implementation plan; 	<p>Name of Assignment or Project: Regional Urban Development Project (RUDP) Construction Supervision Consultant Services for Biratnagar Sub-metropolitan City (Funded by ADB) Year: September 2017 – to till date (2 mm) Location: Biratnagar Sub-metropolitan City Client: DUDBC Main Project Features: Construction supervision of road, drainage and sewerage works Total Project Cost: NRs. 2 billion Position Held: GESI / Resettlement Expert Activities preformed: Preparing Social Impact Assessment, Resettlement Plan or a Short Resettlement Plan (SRP) for project in accordance with ADB Guidelines; Verify target families and organize them into groups; Assist on mainstreaming gender and social inclusion in conjunction with emergency infrastructure rehabilitation caused by disaster, underlying issues and guidelines relevancy; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions, provide orientation on objective of the component approaches for implementation and roles of ground-water and surface irrigation field office and consultants; Identify their need and potential in growing crops in different types of land; Encourage farmer groups to participate in the STW procurement and installation process; Assist farmer groups to get agriculture extension services under the project and the regular program of the Government; Monitor social and conflict related impacts, including resettlement of the project and recommend remedial action, Prepare Gender Equity and Social Inclusion Action Plan and recommendations / implementation for the successful implementation of the schemes; Sensitize farmer groups so that the most affected poor and disadvantaged families are benefited; Monitor progress of this component, and prepare periodic reports outlining social and economic effects on the beneficiary.</p> <p>Name of Assignment or Project: Third Small Towns Project; Western Region Design, Supervision and Management Consultant (WRDSMC) (Loan No.3157 NEP) funded by ADB Year: July 2015 to till date (28 mm) Location: Bhimdutta Municipality, Panchapuri Municipality, Madhyabindu Municipality and Abukhaireni Rural Municipality Client: DWSS Main Project Features: Western region design, supervision and management for third small town water supply project Project Cost: NRs. 1.07 billion Position Held: Gender and Social Inclusion (GESI) Expert / Resettlement Expert Activities Preformed: During the feasibility phase, assess the need for resettlement corresponding to various alternatives of a subproject and help in identifying the best solution as per social analysis. Prepare Social Impact Assessment, Resettlement Plan or a Short Resettlement Plan (SRP) for subprojects in accordance with ADB Guidelines; Prepare socio-economic profile of each project town including social maps using appropriate techniques and give results regarding social, economic, health and sanitation status of the community, especially focusing on the likely improvement in health status of the citizens; likely impact of health and hygiene education program to be implemented during the town project; willingness to pay for water supply and sanitation; ability to pay for water supply and sanitation; current and likely change in consumption pattern of water supply and sanitation services etc; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in projects, conduct training on GESI, incorporating GESI in urban development approaches & interventions, preparing impact assessment & resettlement plan of urban project, Develop general criteria for socio economic stratification of the society and prepare profile of each town based on these criteria. Based on the different socio economic strata, prepare, for each town, possible structures for differential contribution in capital investment, O & M and tariff etc. for consideration of project authorities; Develop Gender Action Plan for active involvement of</p>

- Coordinate with PCO / PMC GESI consultant for necessary inputs;
- Assist PIU to maintain gender, caste/ethnicity disaggregated data on all relevant project activities including poverty related information; and prepare progress reports on GESI implementation plan as required; and
- Prepare quarterly progress report and submit to PIU

women as equal partners in all decision making; process in the project and as prime beneficiaries of the project activities; Develop social inclusion program for specially benefiting the poor and weaker sections of the towns on priority and with additional assistance, support and efforts. Develop specific criteria to identify the poor and generate alternative mechanisms to target the poor. Identify the best mechanism to administer. Output Based Aid (OBA) to the poor for effective, economic, transparent and participatory delivery system including independent verification; During the Design phase, review the Resettlement Plan prepared during the feasibility study phase and revise in the light of detailed designs; During the Construction phase, monitor compliance of Resettlement Plan or any other social development issue identified during feasibility study/detailed design phase in co-ordination with WUSCs, DWSS, NGOs and other stakeholders; Proactively anticipate and carry out any other activity as per the scope of work.

Name of assignment or project: Detail Engineering Design and supervision of Dharan Water Supply Project (Integrated Urban Development Project (IUDP) (ADB / TDF/ Municipality Funded) **Year:** January, 2013 - till date (30 Man-Months) **Location:** Dharan Municipality, Sunsari **Client:** PIU / Dharan Municipality **Main project features:** Design population 217,941; 7 schemes, 250 km of pipeline, 8 # of RCC reservoirs, 2 surface intakes, 8 deep borings private connections-23,168. **Total Project Cost:** Nrs. 1750 million **Position Held:** Gender and Social Inclusion Specialist / Resettlement Expert **Activities Performed:** Preparing Social Impact Assessment, Resettlement Plan or a Short Resettlement Plan (SRP) for project in accordance with ADB Guidelines; Verify target families and organize them into groups; Assist on mainstreaming gender and social inclusion in conjunction with emergency infrastructure rehabilitation caused by disaster, underlying issues and guidelines relevancy; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions, provide orientation on objective of the component approaches for implementation and roles of ground-water and surface irrigation field office and consultants; Identify their need and potential in growing crops in different types of land; Encourage farmer groups to participate in the STW procurement and installation process; Assist farmer groups to get agriculture extension services under the project and the regular program of the Government; Monitor social and conflict related impacts, including resettlement of the project and recommend remedial action, Prepare Gender Equity and Social Inclusion Action Plan and recommendations / implementation for the successful implementation of the schemes; Sensitize farmer groups so that the most affected poor and disadvantaged families are benefited; Monitor progress of this component, and prepare periodic reports outlining social and economic effects on the beneficiary.

Name of assignment or project: Emergency Flood Damage Rehabilitation Project (Part B: Irrigation, Sunsari district, Nepal) (Funded by ADB) **Year:** April 2011 to December 2012 (18 Man months) **Location:** Biratnagar Sub-metropolitan City & Itahari Municipality **Client:** Emergency Flood Damage Rehabilitation Project, Project Management Unit. **Main Project Features:** The project aims quickly restore the economic activities, Improve livelihood of people who were seriously affected by the 2008 flood. Contribute to sustainable economic growth by minimizing the devastating impact of the floods and reduce future risk from similar disaster, **Total project cost:** US \$ 8.77 million **Position Held:** Gender and Social Inclusion Specialist / Resettlement Expert **Activities Performed:** Responsible for; Verify target families and organize them into groups; Assist on mainstreaming gender and social inclusion in conjunction with emergency infrastructure rehabilitation caused by disaster, underlying issues and guidelines relevancy; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions, Provide orientation on objective of the component approaches for implementation and roles of ground-water and surface irrigation field office and consultants; Identify their need and potential in growing crops in different types of land; Encourage farmer groups to participate in the STW procurement and installation process; Assist farmer groups to get agriculture extension services under the project and the regular program of the Government; Monitor social and conflict related impacts, including resettlement of the project and recommend remedial action, Prepare Social Impact Assessment, Resettlement Plan, Gender Equity and Social Inclusion Action Plan and recommendations/implementation for the successful implementation of the schemes; conduct training on GESI; Sensitize farmer groups so that the most affected poor and disadvantaged families are benefited; Monitor progress of this component, and prepare periodic reports outlining social and economic effects on the beneficiary.

Name of assignment or project: Community Agriculture Development Projects, Udaypur, Siraha and Saptari district, Nepal (Funded by ADB) (Grant no 006 NEP (SF) **Year:** August 2010 to April 2011 (8 mm) **Location:** Triyuga Municipality in Udaypur district, Siraha & Saptari districts **Client:** Community Agriculture Development Project, Project Management Unit **Main Project Features:** The project aims to reduce poverty in the rural communities in the project districts through equitable and sustainable commercialization of agriculture; approximate total project cost is US\$ 24.1 million **Position Held:** Gender Social Inclusion Specialist **Activities Performed:** Responsible for; Verifying target families and organize them into groups; Assist on mainstreaming gender and social inclusion in conjunction with emergency infrastructure rehabilitation caused by disaster in Triyuga municipality, Siraha & Saptari districts, underlying issues and guidelines relevancy; Provide orientation on objective of the component approaches for implementation and roles of ground-water and surface irrigation field office and consultants; Identify their need and potential in growing crops in different types of land; Prepare Social Impact Assessment, Resettlement Plan, Gender Equity and Social Inclusion Action Plan and recommendations/implementation for the successful implementation of the schemes, develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions.

Name of assignment or project: Preparation of Drainage Masters Plan, Phase Wise implementation Plan and 1st Phase Detailed Engineering Design of Bharatpur Municipality **Year:** Jan 2009 – Jan 2010 (12 man month) **Location:** Bharatpur Municipality **Client:** TDF **Main project features:** 6 km drainage system design **Total Project Cost:** NRs. 80 Million, **Position held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities performed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, prepare social impact assessment, resettlement plan, gender equity and social inclusion action plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of community led Damak, Phidim & Letang Town Urban Water Supply and Drainage Project (ADB Loan No. : 17355-NEP) **Year:** December 2007 – December 2008 (12 man months) **Location:**

Damak, Letang & Phidim Municipalities Client: DWSS, STWSSSP, PMO **Main project features:** Population of Damak 29,403, Drainage / Sewerage 6130 m, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Sedimentation tank, Aeration. Population of Letang 16,894, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration. Population of Phidim 8521, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 1592.21, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 557 Million **Position held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities preformed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, prepare social impact assessment, resettlement plan, gender equity and social inclusion action plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of community led Itahari-A,B, C and Belbari Urban Town Water Supply and Sanitation Projects (ADB Loan No. 1755 NEP (SEP) **Year:** March 2006- November 2007 (20 man months) **Location:** Itahari Municipality, Sunsari Districts and Belbari Municipality in Morang District **Client:** DWSS, STWSSP, PMO **Project Cost:** NRs.259 Million. **Main project features:** The project consists of Four nos. of 450 m³ OHT, Six new deep tube-wells of depth 108-120m and improvement of existing Four deep tube wells, Ten nos. of pumps installation, 3 nos. of transformer, 4 set of generator 100KVA, 120.99 km distribution (HDPE and GI) and main pipe system, Four nos. of Water treatment plant 75 ltr/sec, 2400M storm Drainage and Public Toilets. **Position Held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities preformed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, prepare social impact assessment, resettlement plan, gender equity and social inclusion action plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of community led Mahendranagar Small Town Urban Water Supply and Drainage Projects. (ADB Loan no 1755- NEP (SF) **Year:** January 2005 – February 2006 (13 man months) **Location:** Mahendranagar Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection 1200, 75KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. Drainage Nrs 11.25 Million **Position held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities preformed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, prepare social impact assessment, resettlement plan, gender equity and social inclusion action plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Kohalpur Small Town Urban Water Supply and Drainage Projects. (ADB Loan no 1755- NEP (SF) **Year:** February 2003 – December 2004 (20 man months) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 83 Million Drainage Nrs 11.00 Million **Position held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities preformed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, prepare social impact assessment, resettlement plan, gender equity and social inclusion action plan and recommendations / implementation for the successful implementation; conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of assignment or project: Rural Water and Sanitation Fund Development Board (RWSSFDB) (Batch III, IV, V) (World Bank Financed) **Year:** July 2001 to June 2002 (4 Man months) **Location:** Sankhuwasabha, Khotang, Diktal and Bhojpur **Client:** Rural Water Supply and Sanitation Development Fund Development Board, Kathmandu, Funded by World Bank. **Main Project Features:** To raise the living standard of rural people through promotes cost-effective and sustainable rural water supply and sanitation facilities in order to reduce rural poverty with full emphasis on community ownership and responsibilities. **Total project cost:** NRs. 19 million. **Position Held:** Social Scientist **Activities Performed:** Monitoring and evaluation of drinking water and sanitation of gravity and ground water schemes and assist Support Organizations on software activities; Assist SO's technical staff as needed to revise the design and cost estimate; Altogether 56 schemes (gravity and ground water) sites of different districts (Ilam, Jhapa, Dhading, Morang, Parsa, Sindhupalchok, Solukhumbu, Khotang and Dolakha) were visited to perform the task mentioned above.

Name of assignment or project: Expansion of Employment Opportunities for Women (EOW) Project, (Funded by ILO) **Year:** December 1999 to September 2001 (6 Man – months) **Location:** Dhankuta Municipality **Client:** International Labor Organization (ILO), Kathmandu, Funded by ILO **Main Project Features:** To improve the livelihood of the very poor and/or socially excluded that women and children, Dalits, Indigenous nationalities through income generation activities **Total project cost:** NRs. 30 million **Position Held:** Program Coordinator / GESI Specialist **Activities Performed:** Develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions, coordinate all field level project activities and providing constant support to women's community based organization (CBO); Develop detail plan of action for the program; Coordinate field activities with all related organizations: GO, NGO's and other partner organizations; Develop a profile of those VDCs with all basic information required to start project activities including the felt needs of each community through PRA; Coordinate and conduct meetings, training for women groups and other stakeholders

Name of assignment or project: Detail engineering design of Urban Sewerage System in Myagdi Municipality **Year:** March 1999- April 2000 (13 Man-Months) **Location:** Myagdi Municipality **Client:** DWSS, Regional office, Pokhara **Main project features:** Socio –economic study,

Detail engineering survey, design of combine sewerage system of 5 km, rate analysis, quantity estimate and drawing preparation. **Total Project Cost:** Nrs.25 million **Position held:** Gender Social Inclusion Specialist / Resettlement Expert **Activities performed:** Prepare Social impact assessment, resettlement plan, Gender Equity and Social Inclusion Action Plan and recommendations/implementation for the successful implementation; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, incorporating GESI in urban development approaches & interventions, conduct training on social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.

Name of assignment or project: Environment and Agriculture Support Project in urban area of Dhankuta Municipality **Year:** Jan. 1995 - July 1997 (28 mm) **Location:** Dhankuta Municipality **Client:** Bio-gas Support Project (BSP Nepal). **Main project features:** To improve the livelihood of the very poor and/or women and children, Dalits, Indigenous nationalities through support of Bio-gas and involve in income generation activities. **Total Project Cost:** 12.5 Million **Positions held:** Gender and Social Inclusion Officer **Activities performed:** Coordination all field level projects activities and providing constant support to community based organization (CBO); Prepare Gender Equity and Social Inclusion Action Plan and recommendations / implementation for the successful implementation; develop & integrate GESI mainstreaming, analysis of gender and social inclusion in project, conduct training on GESI, incorporating GESI in urban development approaches & interventions, Identify basic needs of women that support income generating activities for women, and plan its implementation; Installed total 253 Bio-gas plant in Sriwani & Dhankuta Municipality; Formation of biogas user group and mobilize people towards Sriwani Ideal village for Biogas in Nepal; Plan and develop a detail plan of action; conduct training on GESI.

Name of assignment or project: Community Managed Irrigation System in Nepal **Year:** May 1990 - Aug. 1994 (51 mm) **Location:** Kalikot **Client:** Department of Irrigation, Kathmandu. **Main project features:** Carried out how the Community are Managed themselves their Irrigation System, farming system with sustainable in Kalikot **Total Project Cost:** 45 Million **Positions held:** Sociologist **Activities performed:** Carried out research study of Community Managed Irrigation System, farming system and sustainability in Kalikot District; Coordinate all field level project activities and providing constant support to Community Managed Irrigation System users groups; Coordinate field activities with all related organizations: GO, NGO's and other partner organizations; Coordinate and conduct meetings trainings at district, VDC. CBOs, women groups and other stakeholders; incorporating GESI in urban/semi urban development approaches & interventions, Planning, monitoring and supervision of project activities in field level.

Expert's Contact Information : (E-mail: prakash_bhakta@hotmail.com, Phone: +977-9841329719)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018
Day/Month/Year

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA




STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Prakash Bhakta Shrestha
Position	K-4, Gender and Social Inclusion (GESI) Expert
Signature	
Date	October 7, 2018



FORM TECH-6: CURRICULUM VITAE (CV)

Position Title and No.:	K-5, Social Safeguards Expert
Name of the Firm	Plush Engineers and Architects (P) Ltd
Name of Expert:	Mr. Deependra Pokharel
Date of Birth:	21 st February 1968
Country of Citizenship/ Resident	Nepali

Education:

- Joint / Double European Masters in Comparative Local Development: University of Trento, Italy (coordinator); Corvinus University of Budapest, Hungary; University of Regensburg, Germany; and University of Ljubljana, Slovenia, 2009.
- Master's degree in Sociology/Anthropology, Tribhuvan University, Nepal, 1993.
- Bachelor of Science, Amrit Science College, Nepal, 1990.

Other Training

- Conflict Management International Workshop on "Conflict, Coordination, and Governance in Local Development", 2nd of May 2008, Corvinus University of Budapest, Hungary.
- Conference title on "Local Economic Development in South Africa: a System of Innovation Approach" March 19, 2008, School on Local Development, University of Trento, Italy
- Seminar on "The Role of Government in Economic Development", February 11, 2008, School on Local Development, University of Trento, Italy
- International seminar on "Entrepreneurship and Local Development", December 6, 2007, OECD LEED Trento Centre for Local Development, Italy
- International seminar on "Social Inclusion and Local Development", October 25, 2007, OECD LEED Trento Centre for Local Development, Italy
- Conflict Management Training (5 days) organized by District Development Committee Kapilvastu, September 2004.
- National Facilitation workshop and National Leadership Seminar on Decentralized Transformative Approaches to HIV/AIDS – jointly organized by UNDP/Nepal, UNAIDS, UNDP Headquarters and National Centre for AIDS and STD Control. (24 September – 5 October 2002)
- Proposal Writing and Fund Raising Training (7 days) organized jointly by UNDP and ICA Nepal, 2003.
- PRA training (7 days) organized by Plan-Nepal, 2003.
- CCCD training (5 days) organized by Plan-Nepal, 2002.
- LFA training (7 days) organized by UNDP/LGP, 2001.
- Participated 4 weeks day training of Participatory Learning Assessment (PLA) and Gender Sensitive Approach held at Kathmandu from November 4 to 5 December 2000 organized by ICON/ The World Bank.
- Social Mobilization Training organized by UNDP/LGP, 1999.
- Computer Skill: Trained on basic computer programmes such as MS Word, MS Excel, MS PowerPoint, Internet etc.

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
July 2016 to till date	Plush Engineer and Architect (P) Ltd. Position Held: Type of Employment: Full Time Reference Information: Name: Mr. Triratna Shakya, Director Tel: 977-1-4247706 E-mail: plushpvtltd@gmail.com	Nepal	Responsible for Social Safeguard report, Prepare Resettlement Plan or a Short Resettlement Plan (SRP) for subprojects in accordance with ADB Guidelines, Social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, facilitate to plan and implementation of public awareness campaign and training on sanitation, gender issues and community development, Develop Gender Action Plan
2013-2016	Building Design Authority (P) Ltd. Position Held: Social Safeguard / Social Development Specialist Type of Employment: Full Time Reference Information: Name: Mr. Khem Dallakoti- MD Tel: +977-1-4248200; Email: bda@info.com.np	Nepal	Responsible for preparation and update of Socio-economic profile, Social assessment and resettlement plan, Social inclusion and social Safeguard related activities, co-ordination with different stakeholders for all implementation of community development programmes, plan and implementation of public awareness campaign, provide training on sanitation, gender issues and community development.
March 2013 to July 2013	ITECO-Udaya JV Position Held: Social Development and Safeguard Specialist Type of Employment: Full Time Reference Information: Name: Tuk Lal Adhikari- MD Tel: +977-1-4621763; Fax: 4622298 Email: iteco@mos.com.np	Nepal	Responsible for preparation of Socio-economic profile, social Safeguard report, Resettlement plan and Due diligence report, Social inclusion and preparation of possible structures for differential contribution in capital investment, O&M and tariff each town, preparation of gender action plan, facilitate to plan and implementation of public awareness campaign and training on sanitation, gender issues and community development. Overall planning and implementation of Output Based Aid (OBA) in each town project.

May 2011 to 30 March 2012	Asian Development Bank (ADB) Position Held: Social Development / Safeguard Specialist (National), Individual Consultant Type of Employment: Full Time Reference Information Name: Hemanta Gyawali – Team Leader Tel: +632 632 4444, Fax: (63-2) 636 2470 Email: consltingservices@mail.asiadevbank.org	Nepal	Strengthening the Town Development Fund Capacity for Public Private Partnership (ADB TA- 7669 (NEP)), Responsible for reviewing social documents; on-site assessment of existing performance of built schemes as a whole and individual components including gender and social inclusion aspect; performance of WUSC to operate built system; identify problems and propose solutions to improve performance of 29 Small Towns supported under Small Town Water Supply and Sanitation Sector project.
July 2005 to Dec 2008 and July 2010 to March 2011	Plush Engineer and Architect (P) Ltd. Position Held: Social Safeguard / Social Development Specialist Type of Employment: Full Time Reference Information: Name: Mr. Triratna Shakya, Director Tel: 977-1-4247706 E-mail: plushpvtltd@gmail.com	Nepal	Responsible for preparation and update of Socio-economic profile, social impact assessment, prepare resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.
August 1999 to June 2005	UNDP / Decentralized Local Governance Support Program (DLGSP) Position Held: District Development Advisor/ Social Safeguard Expert Type of Employment: Full Time Reference Information Name: Sharad Neupane – Assistant Country Director Tel: +977-1- 5523200; Fax: 5523991	Nepal	Develop appropriate M&E tools and conduct evaluation studies in the areas of governance, GED, institutional development and livelihood Improvement activities, prepare and review District Periodic, Annual and Sectoral Plans in Solukhumbu, Morang, Kapilvastu & Rupandehi districts, Act as the advisor / technical expert in implementation of Village Development Programme for poverty alleviation through social mobilization.
December 1997-July 1999	Integrated Consultant Nepal (ICON) Position Held: Social Scientist Type of Employment: Full Time Reference Information Name: Binay Shah - MD Tel: +977-1- 4470933; Fax: 4473544 Email: bshah@ccsl.mos.com.np	Nepal	Responsibilities included to disseminate promotional material, conduction of training programs on Gender, Caste and Ethnic (GCE), sanitation health and hygiene and monitoring income generation activities & community awareness program review socio-economic data, and preparation of reports, Encouraged/mobilized local leaders, WUSC members beneficiaries and NGOs in identifying gender issues and its involvement in the management of water supply system and hygiene and sanitation subprojects, conducted Benefit Monitoring and Evaluation study of completed water supply and sanitation subprojects.

Membership in Professional Associations and Publications:

- Member of Erasmus Mundus Alumni

Language Skills

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Nepali	Excellent	Excellent	Excellent
Hindi	Good	Good	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
<ul style="list-style-type: none"> Collect and compile the study reports relating to Social Impact Assessment Plans and Resettlement Action Plans; Interact and educate the project affected families relating to the scope of SIAP, RAP and social safeguard policies of GON and ADB; Assist the PIU in implementing the SIAP and RAP; Assist the TL in matters relating to the implementation of SIAP and RAP and IPP, if any 	Name of Assignment or Project: Third Small Towns Project; Western Region Design, Supervision and Management Consultant (WRDSMC) (Loan No.3157 NEP) in urban area of western region of Nepal funded by ADB Year: June 2015 to till date (28 mm) Location: Bhimdutta Municipality, Panchapuri Municipality, Madhyabindu Municipality and Abukhaireni Rural Municipality Client: DWSS Main Project Features: Western region design, supervision and management for third small town water supply project, Population of Suda is 13,378; Abukhaireni is 9,469; Babiychaur is 5,561; Tamsaria is 15,028 Project Cost: NRs. 1.07 billion Position Held: Social Safeguard Expert Activities Performed: Responsible for Social Safeguard report, social impact assessment, prepare resettlement plan or a Short Resettlement Plan (SRP) for subprojects in accordance with ADB Guidelines, Social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, facilitate to plan and implementation of public awareness campaign and training on sanitation, gender issues and community development, Develop Gender Action Plan for active involvement of women as equal partners in all decision making process in the project and as prime beneficiaries of the project activities, Develop social inclusion program for specially benefiting the poor and weaker sections of the towns on priority and with additional assistance, support and efforts, Overall planning and implementation of Output Based Aid (OBA) in each town co-ordination with WUSCs, DWSS, NGOs and other stakeholders, Proactively anticipate and carry out any other activity as per the scope of work.

Name of Assignment or Project: Detail Engineering Design of Waste Processing (Management) Center with Material Recovery Facility of Rampur and Byas Municipalities **Year:** July 2016 to till date (4 Man-month) **Location:** Rampur & Byas Municipality **Client:** Solid Waste Management Technical Support Center (SWMTSC) **Main Project Features:** Detail Engineering Design of Waste Processing (Management) Center with Material Recovery Facility of Rampur and Byas Municipalities **Position Held:** Sociologist / Social Safeguard Expert **Activities Performed:** Responsible for preparation and update of Socio-economic profile, prepare social impact assessment and resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for design of the project, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of assignment or Project: Community Awareness and Participation Consultancy of Kathmandu Valley Water Supply Improvement Project funded by ADB **Year:** 2013 to 2016 (18 Man-month) **Location:** Kathmandu Metro-Politan City **Client:** KUKL, PID **Main project feature:** Community awareness programmes etc. **Project Cost:** NRs. 100 million **Position held:** Social Safeguard / Community Mobilization Expert **Activities performed:** Prepare Information, Education and Communication (IEC) materials and media campaigns, Coordinate and monitor IEC activities and other social mobilization events, Advertisement clippings, Web pages, etc of the Investment Program and first tranche; Promote Investment Program's Urban Governance. Finance and Service Delivery Improvement Action Plan; prepare social impact assessment & resettlement plan preparation of Social Safeguard report, Prepare Awareness campaign on (a) the need for and application of user Charges for improved urban services, (b) optimization and conservation program, (c) environmental and social issues, such as and (d) resettlement entitlements through various media means; Disseminate information about the Investment Program to the target groups especially women. Build stakeholders' awareness on the long-term benefits and short-term inconvenience of the Program in order to gain full support to the beneficiaries towards the Program; Make the Beneficiaries aware of their responsibilities, including issues such as user charges and property tax reform etc for achieving the goal of the program; Invite feedback from beneficiaries on aspects of the program and subprograms and advise the KVWSIP of how these might influence future program and sub-programs design; Assist the PID in implementing all actions identified in the GESI action plan for the project including CAPP; Assist, plan, co-ordinate, orient and sensitize all PID, DSC and contractor staff and labor and community and the relevant institutions including other stakeholders on gender and social inclusion with respect the project design.

Name of assignment or Project: Design Review and Construction Supervision of Kavre Valley Integrated Water Supply Project (KVIWSP) funded by ADB **Year:** 2011 to 2013 (10 man month) **Location:** Dhulikhel, Banepa & Panauti Municipalities **Client:** MoUD/Urban and Environmental Improvement Project **ADB Loan No.** 1966 NEP (SF), **Main project feature:** Implementation of environmental and social safeguard related works **Project Cost:** NRs. 1000 million, **Position Held:** Social Safeguard / Social Development Specialist **Activities performed:** Responsible for preparation and update of Socio-economic profile, prepare social impact assessment & resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of assignment or Project: Second Small Towns Water Supply and Sanitation Sector Project (SSTWSSSP) Batch - I Package - III: The Project funded by ADB **Grant - 0157 (NEP)** Implementation of Output Based Aid and other social safeguard related work in Damak, Phidim, Dhuhabi and Indrapur Second Small Town Water Supply and Sanitation Projects **Year:** March 2012 to July 2013 (8 man month) **Location:** Damak & Phidim Municipalities **Client:** SSTWSSSP **Main project feature:** Implementation of Output Based Aid and other social safeguard related works **Project Cost:** NRs. 670 million **Position Held:** Social Development and Safeguard Specialist, **Activities performed:** Responsible for social impact assessment, prepare resettlement plan, social safeguard report, due to diligence report, Social inclusion and poverty reduction activities, health and hygiene promotion activities, co-ordination with different stakeholders for all implementation of community development programmes, facilitate to plan and implementation of public awareness campaign and training on sanitation, gender issues and community development. Overall planning and implementation of Output Based Aid (OBA) in each town.

Name of assignment or Project: ADB TA- 7669 (NEP): Strengthening the Town Development Fund Capacity for Public Private Partnership **Year:** May 2011 – March 2012 (8 man month) **Location:** 13 municipalities and VDCs of 21 districts in Nepal **Client:** Asian Development Bank (ADB) **Main project features:** Technical and institutional assessment of 29 urban water supply projects built under ADB Loan 1755-NEP with TDF supports **Project Cost:** NRs. 3000 million **Position Held:** Social Development / Safeguard Specialist (National) **Activities performed:** Responsible for reviewing social documents; social impact assessment, prepare resettlement plan, preparation of social Safeguard report on-site assessment of existing performance of built schemes as a whole and individual components including gender and social inclusion aspect; performance of WUSC to operate built system; identify problems and propose solutions to improve performance of 29 Urban Small Towns supported under Small Water Supply and Sanitation Sector project.

Name of Assignment or Project: Feasibility Study and Detailed Engineering Design and Construction Supervision of Urban and Environmental Improvement Project, Dhulikhel (ADB Loan no 1966- NEP(SF) **Year:** July 2010 to March 2011 (8 man month) **Location:** Dhulikhel Municipality **Client:** UEIP, PIU Dhulikhel **Main project features:** Urban Water Supply, Gravity system, 8447 H/H, 55284 Population, 80 lps discharge, Sedimentation tank and rapid sand filtration unit, 4267 house connection, Sewerage 7400m, RBTP – 3 nos. and 350 M³ reservoirs & 180 KM pipeline distribution, **Total Project Cost:** Nrs. 453 Million, Sewerage-Nrs 26 Million, RBTP Nrs 32.11 Million, Road 10.11 Million **Position held:** Social Safeguard / Social Development Specialist **Activities performed:** Responsible for preparation and update of Socio-economic profile, prepare social impact assessment & resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design of community led Damak, Phidim & Letang Town Urban Water Supply and Drainage Project (ADB Loan No. : 1755 (NEP)-SF) **Year:** December 2007 – December 2008 (12 man months) **Location:** Damak, Letang & Phidim Municipalities **Client:** DWSS, STWSSSP, PMO **Main project features:** Population of Damak 29,403, Drainage / Sewerage 6130 m, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Sedimentation tank, Aeration. Population of Letang 16,894, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration. Population of Phidim 8521, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 1592.21, Sedimentation tank, Aeration. **Total Project Cost:** Nrs. 557 Million **Position held:** Social Safeguard / Social Development Specialist **Activities performed:**

Responsible for preparation and update of Socio-economic profile, prepare social impact assessment & resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of Itahari-A, B, C and Belbari Town Urban Water Supply and Sanitation Projects (ADB Loan No. 1755 NEP (SEP) Year: March 2006- November 2007 (20 man months) **Location:** Itahari Municipality, Sunsari Districts and Belbari Municipality in Morang District **Client:** DWSS, STWSSP, PMO **Project Cost:** NRs. 259 Million. **Main project features:** The project consists of Four nos. of 450 m³ OHT, Six new deep tube-wells of depth 108-120m and improvement of existing Four deep tube wells, Ten nos. of pumps installation, 3 nos. of transformer, 4 set of generator 100KVA, 120.99 km distribution (HDPE and GI) and main pipe system, Four nos. of Water treatment plant 75 ltr/sec, 2400M storm Drainage and Public Toilets. **Position Held:** Social Safeguard / Social Development Specialist **Activities performed:** Responsible for preparation and update of Socio-economic profile, prepare social impact assessment & resettlement plan, social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Mahendranagar Small Town Urban Water Supply and Drainage Projects. (ADB Loan no 1755- NEP (SF) Year: July 2005 – February 2006 (8 man months) **Location:** Mahendranagar Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection 1200, 75KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. **Drainage Nrs 11.25 Million** **Position held:** Social Safeguard / Social Development Specialist **Activities performed:** Responsible for preparation and update of Socio-economic profile, prepare social impact assessment & resettlement plan, Social inclusion and social safeguard related activities, co-ordination with different stakeholders for implementation of community development programmes, facilitate to plan and implementation of public awareness campaign, training on sanitation, gender issues and community development.

Name of assignment or Project: UNDP Support Decentralized Local Governance & GESI Support Program (DLGSP) Year: August 1999 to June 2005, (65 man month) **Location:** Taulihawa, Butwal, Biratnagar Municipalities **Client:** UNDP **Main project features:** Technical and Advisory support to DDC in implementation decentralization and poverty alleviation programme, **Project cost:** NRs. 1500 million **Position Held:** GESI / Social Safeguard Expert **Activities performed:** Initiation, implementation, consolidation and institutionalization of the participatory planning and monitoring process with adopting gender sensitive approach of municipalities. Advice and assist LBs in planning, implementing and monitoring the Gender Equality and Social Inclusion (GESI) & social safeguard related activities, prepare social impact assessment & prepare resettlement plan. Supported the DDC to prepare and review District Periodic, Annual and Sectoral Plans in Solukhumbu, Morang, Kapilvastu & Rupandehi districts, Act as the advisor / technical expert to implement Village Development Programme for poverty alleviation through social mobilization. Formulation and execution of pro-poor and positive discriminatory approach as well as gender sensitive approach. Conducted researches/studies such as benefit mapping, VDP impact, social mobilization mapping and Involved as resource person/facilitator in many trainings on Social mobilization and community development. Involved in Monitoring and evaluation of overall carried out activities.

Name of Assignment or Project: M&E of RWSS Schemes Year: 1997 – 1999 (16 mm) **Location:** Nepal **Client:** RWSSFDB funded by World Bank **Main Project Feature:** Monitoring and Evaluation of various schemes **Project Cost:** NRs. 500 Million **Position Held:** Sociologist / Social Scientist, **Activities Performed:** Responsible for facilitating to implement the Rural Water Supply and Sanitation Projects using demand driven and participatory approach. Responsibilities included to disseminate promotional material, conduction of training programs on Gender, Caste and Ethnic (GCE), sanitation health and hygiene program and monitoring income generation activities, community awareness program, health hygiene activities, latrine construction activities and training activities, review socio-economic data, and preparation of reports, Conducted Benefit Monitoring and Evaluation study of completed water supply and sanitation subprojects.

Expert's Contact Information: (E-mail: dpok19@yahoo.com, Phone: +977-9841478619)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018
Day/Month/Year

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA



Chief Administrative Officer

STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Deependra Pokharel
Position	K-5 , Social Safeguards Expert
Signature	
Date	October 7, 2018



Chief Administrative Officer

FORM TECH-6: CURRICULUM VITAE (CV)

Position Title and No	K -6, Environmental Safeguard Expert
Name of Firm	B.N. Consultancy (P) Ltd.
Name of Expert	Mr. Surya Man Shakya
Date of Birth	1 st April 1956
Citizenship	Nepali

Education :

- M.Sc. Environmental Engineering, New Jersey Institute of Technology (NJIT) Newark, NJ, USA (1982-1984)
- B. Tech. Civil Engineering, Patna University, India (1974 -1979)

Other Training :

- Environmental management Course for Senior Govt. Officials, UNEP, Nairobi, Kenya, (15 Nov. -3 Dec. 1993)
- Project Management Tools for Developing Countries, UNDP, Kuching, Sarawak, Malaysia (8-14 Sep. 1993)
- Rural Water Supply and Sanitation for Developing Countries WEDC/MLD, Loughborough University (23 Aug.-1 Sep. 1981)
- Several seminars/conferences and short term trainings attended till present.

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
Sep 2012 to till date	B.N. Consultancy Pvt. Ltd. Position Held: Environmental Specialist / Environmental Safeguard Specialist Type of Employment: Full Time Reference Information: Name: Mr. Laxman Acharya, MD Tel: 977-9851035906 E-mail: bnconsultancy@gmail.com	Nepal	IEE / EIA studies and obtain necessary government approvals, Implementation of EMP and obtain permits from various clients, design and monitoring of environmental safeguard compliance, training to various stakeholders, Design and monitoring of environmental impact mitigation activities for all consummation works and give training to contractors staff, preparation of periodic environmental monitoring reports, Monitor discussion and public consultations and prepare periodic reports.
June – Aug 2012	ERMC Position Held: Deputy Team Leader Type of Employment: Contractual Reference Information: Name: Mr. Uddab Chaulagain, MD Tel: 977-1-4483064 E-mail: safe@ermc.wlink.com.np	Nepal	<i>Component 1:</i> Supporting the establishment of an appropriate policy, regulatory and institutional framework for solid waste management and environmental issues, prepare guidelines for implementation of Environmental Management Plan (EMP). <i>Component 2:</i> Strengthen the technical capacity of the SWMC and SWMTSC. <i>Component 3:</i> Supporting the development of relevant regulations, standards and/or guidelines for improving SWM and EMP at the regional and local levels.
Feb 2008 – May 2012	SN Power Holding, Singapore Pte. Ltd. Position Held: Environmental Safeguard Expert Type of Employment: Full Time Reference Information: Tel: 65 6513 2189	Nepal	Field study and report preparation for Scoping & ToR documents, EIA report preparation, obtain necessary government approvals, Implementation of EMP and obtain permits from various clients, design and monitoring of environmental safeguard compliance, training to various stakeholders, design and monitoring of environmental impact mitigation activities for all consummation works, preparation of periodic environmental monitoring reports
Jul 2007 – Jan 2008	UN-HABITAT Position Held: Environment Specialist Type of Employment: Full Time Reference Information: Tel: 977-5523200 E-mail: rchco.nepal@one.un.org	Nepal	Development of National Solid Waste and Environment Management Guidelines of IEE / EIA for Municipalities of Nepal; Prepare National Legislation for Solid Waste and Environment Management in collaboration with Ministry of Local Development/ GON; preparation of Implementation Guidelines for Environmental Management Plan (EMP).
April 2000 - Jun 2007	Building Design Authority (P) Ltd. Position Held: Environmental Expert Type of Employment: Contractual Reference Information: Name: Mr. Khem Dallakoti, MD Tel: 977-14248200 E-mail: bdapvtltd@gmail.com	Nepal	Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Check and review the feasibility study reports, preparation of draft and final (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE report and presenting them to the concerned ministries.
Jul 2003 – Jul 2005	Ministry of Local Development Position Held: General Manager / Environmental Expert Type of Employment: Contractual Reference Information: Tel: 977-1-4200309 E-mail: ipd@mofald.gov.np	Nepal	Administration, management & implementation of Solid Waste and Environment Management projects in Nepal; preparation of IEE/EIA guidelines for solid waste management projects in Nepal; review of IEE and EIA reports; implementation of Environmental Management Plan (EMP); focus group discussion, approval & finalization of EIA report. Successfully completed JICA assisted KCV study and Okharpauwa landfill site development and operation. Received National Appreciation Award for the services.
January	Multi-Disciplinary Consultants (P) Ltd.	Nepal	Co-ordination with Team members, Municipality, Wards, WUSC

1998 February 2000	– Position Held: Environmental Expert Type of Employment: Full Time Reference Information: Name: Mr. Badan Lal Nyachhyon Tel: 977-1-5525076 E-mail: mdc@multinepal.com		and NGO's; Check and review the feasibility study reports, preparation of draft and final (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE report and presenting them to the concerned ministries.
Jan. 1996 – Dec. 1997	– National Planning Commission (NPC) Position Held: Environmental Expert Type of Employment: Full Time Reference Information: Tel: 977-1-4211970 E-mail: npc@npc.gov.np	Nepal	Preparation of draft and final (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE report of different projects supported by UNDP and WHO.
Jun 1993 – Apr 1995	– Environment Protection Council (EPC) Position Held: Member-Secretary / Environmental Expert Type of Employment: Full Time Reference Information: Tel: 977-1-4211641 E-mail: info@mope.gov.np	Nepal	Coordination with sectoral ministries on environment and development issues; Coordination to develop appropriate environmental legislation, (EPA 1997, EPR 1997); Establish environmental standards in coordination with concerned government agencies; Develop, monitor and assess environment conservation programs; preparation of standard IEE/EIA report format and implementation of Environmental Management Plan (EMP); Support the implementation of information about environment and development related programs
Jan 1991- Apr 1993	– International Center for Integrated Mountain Development (ICIMOD) Position Held: Environmental Expert Type of Employment: Full Time Reference Information: Tel: 977-1-5275222 E-mail: info@icimod.org	Nepal	Preparation of IEE/EIA reports of major projects in Bagmati sub-region, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE/EIA report; Developing a comprehensive picture of the existing regional development opportunities and environmental conditions for eight districts of Bagmati Zone, namely, Sindhupalchowk, Dolakha, Kathmandu, Lalitpur, Bhaktapur, Kavre, Rasuwa, Nuwakot
Apr 1989 – Jul 1990	– GoN/UNDP/IBRD Position Held: Environmental Expert Type of Employment: Full Time	Nepal	Analysis of various environmental issues in urban planning and management; Collect data from other institutions and agencies needed for policy planning in the area of urban development; preparation of IEE/EIA reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE/EIA report.
Dec. 1987 – Mar 1989	– Swiss Development Cooperation (SDC-N), Nepal Position Held: Environmental Engineer Type of Employment: Full Time Reference Information: Tel: 977-1-5524927 E-mail: kathmandu@sdcc.net	Nepal	Preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of IEE report.
Feb. 1986 – May 1987	– Metro Concrete Corporation Position Held: Environmental Engineer Type of Employment: Full Time Reference Information: Tel: (408) 708-9102 E-mail: contact@metroconcrete.com	USA	Preparation of scoping document; focus group discussion, preparation of EIA reports, implementation of Environmental Management Plan (EMP).
Jan 1985 – Feb. 1986	– Evanbow Construction Co. Inc. Position Held: Environmental Engineer Type of Employment: Full Time Reference Information: Tel: (973) 674-1250	USA	Preparation of scoping document; focus group discussion, preparation of EIA reports, implementation of Environmental Management Plan (EMP)
Jan. 1980 – Aug. 1982	– Ministry of Local Development (MLD) Position Held: Assistant Engineer Type of Employment: Full Time Reference Information: Tel: 977-1-4200309 E-mail: ipd@mofald.gov.np	Nepal	Designed and implemented rural water supply schemes, rural roads, local bridges, mule tracks, etc.; Acted as a liaison between UNICEF and GoN. Assisted the local governments in implementing different projects under the integrated rural development plans and programs through community participation

Membership in Professional Associations and Publications:

- NA

Language Skills

Nepali
English
Hindi

Reading
Excellent
Excellent
Good

Writing
Excellent
Excellent
Good

Spoken
Excellent
Excellent
Good

Chief Administrative Officer

Adequacy for the Assignment:**Detailed Tasks Assigned On Consultant's Team Of Experts**

- Ensure all environmental requirements as reported in the EIA / IEE are incorporated into the bidding and contract documents;
- Assist the PIU in monitoring compliance with the EIA / IEE and Resettlement Plans and any environmental and social development issues identified during supervision phase in co-ordination with PIU, PCO, NGOs and other stakeholders.
- Review the monthly progress reports submitted by the Contractor and field verify whether or not the Contractor has complied with the approved conditions as stated in the EMP;
- Assist PIU prepare quarterly monitoring and compliance reports for all works in accordance with resettlement plan for each of the subprojects and submit to PCO through PIU;
- Assist the PIU in updating and implementing the Environment Management Plan (EMP) and establishing a system and training staff to monitor the project's environmental indicators, review the data collected for the first year to evaluate the effectiveness with which the environmental mitigation and monitoring measures are implemented and recommend actions to be taken in accordance with ADB's Safeguards Policy Statement (2009) and EIA/IEE prepared for the Project;
- Assist the PIU in monitoring and enforcing, as detailed out in Safety Manual, the measures taken to ensure safety of the workers, other project personnel, general public and works; and
- Support PIU for conducting regular review meetings, public hearings and public audit to seek opinions for improvement. This will help to develop feeling of ownership among the stakeholders.

Reference To Prior Work/Assignments That Best Illustrates Capability To Handle The Assigned Tasks

Name of assignment or project: Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects of Kapasetar Dulegauda, Prabas and Patan Baitadi Co-financing WSSP **Year:** December 2016 to till date (9 mm) **Location:** Tansen and Patan Municipality **Client:** DWSS **Main project features:** Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects **Project Cost:** NRs. 737 million **Position Held:** Environmental Expert **Activities Performed:** Carry out preliminary environmental assessment and prepare necessary TORs to carry out Initial Environmental Examination (IEE), prepare Environmental Management Plan (EMP); review and revise various environmental reports prepared during the feasibility study phase; Review design changes and if these warrant revision of the existing or a new IEE, initiate the EA process in accordance with the Environmental Assessment and Review Procedures (EARP) following the design changes.

Name of assignment or project: Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects of Dhangadha, Parsa, Ratnanagar and Khalanga Municipalities Co-financing WSSP **Year:** March 2016 to December 2017 (12 mm) **Location:** Bharatpur Metropolitan City, Ratnanagar Municipality, Parsa Municipality and Bheri Malika Municipality **Client:** DWSS **Main project features:** Feasibility study, detailed engineering survey, design and DPR preparation of urban water supply projects **Project Cost:** NRs. 1171 million **Position Held:** Environmental Expert **Activities Performed:** Carry out preliminary environmental assessment and prepare necessary TORs to carry out Initial Environmental Examination (IEE), prepare Environmental Management Plan (EMP); review and revise various environmental reports prepared during the feasibility study phase; Review design changes and if these warrant revision of the existing or a new IEE, initiate the EA process in accordance with the Environmental Assessment and Review Procedures (EARP) following the design changes.

Name of Assignment or Project: Consulting Services for detail engineering survey, design and Preparation of DPR of urban/semi-urban roads Chisapani (Dhanusha)- Dakaha - Chakmake - Bahun Tilping - Chandibhanjyang- Nawalpur Ghat- palapu (Okhaldhunga) Sindhuli, Total Road Length 69.40 Km, Madhutar - Ratomate Danda - Silame - Marin Khola Road, Sindhuli, Total Road Length 25.90 Km, Sundarijal - Thakani - Mahankal - helambu - Melamchi Sindhupalchowk, Total Road Length 58.6 Km, Syaulebari - Lokil - Yarsa - Gosaikunda Rasuwa, Total Road Length 30.5 Km; **Year:** December 2013 - February 2016 (24 mm) **Location:** Nepal **Client:** DOR **Main Project Features:** Detail engineering survey, design and report preparation **Position Held:** Environmental Expert **Activities Performed:** Carry out preliminary environmental assessment and prepare necessary TORs to carry out Initial Environmental Examination (IEE), prepare Environmental Management Plan; review and revise various environmental reports prepared during the feasibility study phase; Review design changes and if these warrant revision of the existing or a new IEE, initiate the EA process in accordance with the Environmental Assessment and Review Procedures (EARP) following the design changes.

Name of assignment: Rural reconstruction and rehabilitation sector development program (RRRSDP) for Chimala, Gogmai-3 WS sub project, Mahabir, Jogmai-3, WS sub project, Ratnauli, Jogmai-2 WS sub projects & road projects, Ilam district **Year:** September 2012 to November 2013 (12 mm) **Location:** Ilam district **Client:** Ministry of Local Development **Main project Features:** Survey, detailed design, social survey and plan, implementation plan, procurement of contractors **Position held:** Environmental Safeguard Specialist **Activities performed:** Preparation of draft and final (ToR), preparation of IEE reports, Implementation of EMP and obtain permits from various clients, design and monitoring of environmental safeguard compliance, training to various stakeholders, Design and monitoring of environmental impact mitigation activities for all consummation works and give training to contractors staff, preparation of periodic environmental monitoring reports, Monitor discussion and public consultations and prepare periodic reports.

Name of assignment or project: TA NO. 7597-Capacity Development for Solid Waste Management funded by ADB **Year:** June to August 2012 (3 mm) **Location:** Nepal **Client:** Main project features: establishment of an appropriate policy, regulatory and institutional framework for SWM **Position Held:** Deputy Team Leader / Environmental Expert **Activities Performed:** *Component 1:* Supporting the establishment of an appropriate policy, regulatory and institutional framework for solid waste management and environmental issues, prepare guidelines for implementation of Environmental Management Plan (EMP). *Component 2:* Strengthen the technical capacity of the SWMC and SWMTSC. *Component 3:* Supporting the development of relevant regulations, standards and/or guidelines for improving SWM and EMP at the regional and local levels.

Name of assignment or project: Tamakoshi 3 Hydroelectric Project **Year:** February 2008 - May 2012 (48 mm) **Location:** Nepal **Client:** Tamakoshi 3 Hydroelectric Project **Main project features:** preparation of DPR, EIA study & construction of HEP **Project Cost:** NRs. 50 billion **Position Held:** Environmental Safeguard Expert **Activities Performed:** Field study and report preparation for Scoping & ToR documents, EIA report preparation, obtain necessary government approval, implementation of EMP and obtain permits from various clients, design and monitoring of environmental safeguard compliance, training to various stakeholders, design and monitoring of environmental impact mitigation activities for all consummation works, preparation of periodic environmental monitoring reports, monitor discussion and public consultations and

prepare periodic reports.

Name of assignment or project: Development of National Legislation and Guidelines for Solid Waste and Environment Management **Year:** July 2007 - January 2008 (7 mm) **Location:** Nepal **Client:** UN-HABITAT **Main project features:** Development of National Solid Waste and Environment Management Guidelines for Municipalities of Nepal **Position Held:** Environment Specialist **Activities Performed:** Development of National Solid Waste and Environment Management Guidelines of IEE / EIA for Municipalities of Nepal; Prepare National Legislation for Solid Waste and Environment Management in collaboration with Ministry of Local Development/ GON; preparation of Implementation Guidelines for Environmental Management Plan (EMP), preparation of IEE reports of selected projects.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of Itahari-A,B, C and Belbari Town Urban Water Supply and Sanitation Projects **funded by ADB Year:** March 2006 - June 2007 (8 man months) **Location:** Itahari Municipality, Sunsari Districts and Belbari Municipality in Morang District **Client:** DWSS, STWSSP, PMO **Project Cost:** NRs.259 Million. **Main project features:** The project consists of Four nos. of 450 m3 OHT, Six new deep tube-wells of depth 108-120m and improvement of existing Four deep tube wells, Ten nos. of pumps installation, 3 nos. of transformer, 4 set of generator 100KVA, 120.99 km distribution (HDPE and GI) and main pipe system, Four nos. of Water treatment plant 75 ltr/sec, 2400M storm Drainage and Public Toilets **Position Held:** Environmental Expert **Activities Performed:** Review of EPA and EPR 1997, preparation of TOR for IEE study; collect Environmental Baseline Information, identify, predict and evaluate Environmental Impacts and Suggest Mitigation Measures, prepare & implement Environmental Management Plan (EMP), prepare IEE reports and present to concerned ministry.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Mahendranagar Small Town Water Supply and Drainage Projects in urban area of Mahendranagar Municipality **funded by ADB Year:** December 2004 - February 2006 (8 mm) **Location:** Mahendranagar Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection 1200, 75KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. **Drainage Nrs 11.25 Million** **Position held:** Environmental Expert **Activities Performed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Review of EPA and EPR 1997, preparation of TOR for IEE study; collect Environmental Baseline Information, identify, predict and evaluate Environmental Impacts and Suggest Mitigation Measures, prepare & implement Environmental Management Plan (EMP), prepare IEE reports and present to concerned ministry.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Kohalpur Small Town Water Supply and Drainage Projects in urban area of Kohalpur Municipality **funded by ADB Year:** August 2003 - November 2004 (8 mm) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 83 Million **Drainage Nrs 11.00 Million** **Position held:** Environmental Expert **Activities Performed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Review of EPA and EPR 1997, preparation of TOR for IEE study; collect Environmental Baseline Information, identify, predict and evaluate Environmental Impacts and Suggest Mitigation Measures, prepare & implement Environmental Management Plan (EMP), prepare IEE reports and present to concerned ministry.

Name of assignment or project: Administration, management & implementation of Solid Waste and Environment Management projects in Nepal **Year:** July 2003 - July 2005 (15 mm) **Location:** Nepal **Client:** Ministry of Local Development **Main project features:** Administration, management, and implementation of Solid Waste and Environment Management projects in Nepal **Position Held:** General Manager / Environmental Expert **Activities Performed:** Administration, management & implementation of Solid Waste and Environment Management projects in Nepal; preparation of IEE/EIA guidelines for solid waste management projects in Nepal; review of ToR and IEE / EIA reports, implementation of Environmental Management Plan (EMP); focus group discussion, approval & finalization of EIA report. Successfully completed JICA assisted CKV study and Okharpauwa landfill site development and operation. Received National Appreciation Award for the services; preparation of IEE / EIA reports of selected projects.

Name of Assignment or Project: Detailed Engineering of DNI Phase 'O' under project management consultancy for Melamchi Water Supply Project in urban areas of Kathmandu Metropolitan City **Year:** April 2000 - June 2003 (18 mm) **Location:** Kathmandu Metropolitan City **Client:** Melamchi Water Supply Project, PMC Kathmandu **Main project features:** DNI Phase 'O' works consisting of tertiary distribution network improvements including pipe replacements bulk meter requirements, improvements in intakes and treatment plants and tube wells/ pumping stations. Total different 5 contract packages (DED Sub team). **Total Project cost:** 400 Million **Position held:** Environmental Expert **Activities Performed:** Co-ordination with Team members, Municipality, Wards PIU, WUSC and NGO's; Check and review the feasibility study reports, preparation of draft and final (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE report and presenting them to the concerned ministries.

Name of Assignment or Project: Urban Water Supply and Sanitation Sector Project IV **funded by ADB Year:** January 1998 - February 2000 (16 man- months) **Location:** Amargadhi & Pokhara Municipality **Client:** DWSS **Main project features:** detailed engineering design & construction supervision of water supply, sewerage & drainage **Total Project cost** 250 Million **Position held:** Environmental Expert **Activities Performed:** Co-ordination with Team members, Municipality, Wards, WUSC and NGO's; Check and review the feasibility study reports, preparation of (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of IEE report and presenting them to the concerned ministries.

Name of assignment or project: Sustainable Community Development Program for environment and health **funded by UNDP and WHO Year:** January 1996 - December 1997 (24 mm) **Location:** Nepal **Client:** National Planning Commission (NPC) **Main project features:** Sustainable Community Development Program **Position Held:** Environmental Expert **Activities Performed:** Preparation of (ToR), preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of IEE report of different projects supported by UNDP and WHO.

Name of assignment or project: Preparation of appropriate environmental legislation and implementation of EMP **Year:** June 1993 - April 1995 (22 mm) **Location:** Nepal **Client:** Environment Protection Council (EPC) **Main project features:** Preparation of appropriate environmental legislation and implementation of EMP **Position Held:** Member-Secretary / Environmental Expert **Activities Performed:** Coordination with sectoral ministries on environment and development issues; Coordination to develop appropriate environmental legislation, (EPA 1997, EPR 1997); Establish environmental standards in coordination with concerned government agencies; Develop, monitor and assess environment

conservation programs; preparation of standard IEE/EIA report format and implementation of Environmental Management Plan (EMP); Implement various programs in environment conservation that particularly encourage in the participation of women and non-governmental organizations through the mobilization of Environment Protection Fund; Support the implementation of information about environment and development related programs and prepare as well as publish reports for public use on the basis of the information received, preparation of ToR and IEE reports of selected projects of GoN.

Name of assignment or project: Developing a comprehensive picture of the existing regional development opportunities and environmental conditions for eight districts **Year:** January 1991-April 1993 (27 mm) **Location:** Nepal **Client:** International Center for Integrated Mountain Development (ICIMOD) **Main project features:** developing a comprehensive picture of the existing regional development opportunities and environmental conditions **Position Held:** Environmental Expert **Activities Performed:** Preparation of IEE/EIA reports of major projects in Bagmati sub-region, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE/EIA report; Developing a comprehensive picture of the existing regional development opportunities and environmental conditions for eight districts of Bagmati Zone, namely, Sindhupalchowk, Dolakha, Kathmandu, Lalitpur, Bhaktapur, Kavre, Rasuwa, Nuwakot; Integrating the existing situations by spatial units; Development of transportation corridors in the region; Based upon the appropriate projection of demand and supply conditions, development of regional economic networks; Project proposals for identified projects; Identification of poverty pockets, disaster prone areas, areas of cultural heritage sites, ecologically sensitive zones, nationally important wetland areas and preparing hazard maps based on climate, geology, and pressure on natural resources; Prediction of threats to wild life, bio-diversity and wetlands in the sub-region and recommendations to prevent them.

Name of assignment or project: Management Support for Urban Development, NEP/88/48 funded by UNDP **Year:** April 1989 – July 1990 (16 mm) **Location:** Nepal **Client:** GoN/UNDP/IBRD **Main project features:** Analysis of various environmental issues in urban planning and management; **Position Held:** Environmental Expert **Activities Performed:** Analysis of various environmental issues in urban planning and management; Collect data from other institutions and agencies needed for policy planning in the area of urban development; Travel to places around Nepal as required for field data collection for assessment of existing environmental condition in the urban centers; preparation of IEE/EIA reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of draft and final IEE/EIA report.

Name of assignment or project: Sindhupalchowk, Dolakha Landslide Rehabilitation Project **Year:** December 1987 – March 1989 (15 mm) **Location:** Sindhupalchowk, Dolakha **Client:** Swiss Development Cooperation (SDC-N), Nepal **Main project features:** Constructing and rehabilitating rural infrastructures **Position Held:** Environmental Engineer **Activities Performed:** Preparation of IEE reports, implementation of Environmental Management Plan (EMP); focus group discussion, preparation of IEE report.

Name of assignment or project: People's Express Terminal 'C' Building, Newark International Airport, USA **Year:** February 1986 – May 1987 (15 mm) **Location:** Newark, USA **Client:** Metro Concrete Corporation, USA **Main project features:** preparation of EIA report & implementation of EMP **Project Cost:** US \$ 4.5 million **Position Held:** Environmental Engineer **Activities Performed:** Preparation of scoping document; focus group discussion, preparation of EIA reports, implementation of Environmental Management Plan (EMP).

Name of assignment or project: Budweiser Brewery House **Year:** January 1985 – February 1986 (14 mm) **Location:** Newark, NJ **Client:** Evanbow Construction Co. Inc., USA **Main project features:** preparation of EIA report & implementation of EMP **Project Cost:** US \$ 1.5 million **Position Held:** Environmental Engineer **Activities Performed:** Preparation of scoping document; focus group discussion, preparation of EIA reports, implementation of Environmental Management Plan (EMP)

Name of assignment or project: Design and implementation of rural water supply schemes, rural roads, local bridges, mule tracks, etc. **Year:** January 1980 – August 1982 (31 mm) **Location:** Nepal **Client:** Ministry of Local Development (MLD) **Main project features:** Design and implementation of various infrastructures **Position Held:** Assistant Engineer **Activities Performed:** Designed and implemented rural water supply schemes, rural roads, local bridges, mule tracks, etc.; Acted as a liaison between UNICEF and GoN. Assisted the local governments in implementing different projects under the integrated rural development plans and programs through community participation

Expert's Contact Information: (E-mail: suryamanshakyas@yahoo.com, Phone: + 977-98510-50095)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA



Date: 7th October 2018
Day/Month/Year

Administrative Officer


STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birgunjsubmetro@gmail.com
Project:	<i>Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"</i>
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Surya Man Shakya
Position	K -6, Environmental Safeguard Expert
Signature	
Date	October 7, 2018




Chief Administrative Officer

FORM TECH -7: CURRICULUM VITAE (CV)

Position Title and No.	K- 7, Construction Supervision Engineer - I
Name of Firm	Plush Engineer and Architects (P) Ltd.
Name of Expert	Mr. Chandeshwar Mahato
Date of Birth	20 July 1965
Citizenship	Nepali

Education

- M. Sc in Engineering Management, HIST, P.U, Kathmandu, 2013
- B.E., The Institution of Engineers (INDIA), Calcutta, 1996
- Proficiency Certificate Level in Civil Engineering –1985, Pulchowk

Other Training

- Computer Aided Design (Civil Engineering) from Madras, India 1996 (4 months)
- Training on software packages Windows, Excel, Power point, Auto Civil plus – 9 version, Auto CAD Drawing – 2002 (2 months)
- Procurement Management: Jointly organized by Nepal Administrative Staff College and Administrative Staff India, Hyderabad in association with GoN/Financial Comptroller General Office at Nepal Administrative Staff College, Lalipur from Sept.- October 2005 (2 month).
- Community development course, conducted by ADB/N, Kathmandu - 1989 (0.5 months)
- Training on Water Quality Improvement and small scale water supply and irrigation system design conducted by ADB/N, Kathmandu – 1990 (2 month)

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
1996 to till date	Plush Engineer and Architect (P) Ltd. Position Held: Managing Director / Senior Civil / Water Supply & Sanitation Engineer / Supervision Engineer Type of Employment: Full Time Reference Information: Name: Mr. Triratna Shakya, Director Tel: 977-1-4247706 E-mail: plushpvtltd@gmail.com	Nepal	Design review of urban pipe networks system, rate analysis, estimate, construction supervision, monitoring and evaluating construction works of contractor and community; preparation of variation works and report; preparation of progress reports of the present status of the project; attending meetings with water users committee, town project office and different stockholders; verify the interim and final bills of contractor; quality control of construction works; instruct and supervise junior engineer/overseer and supervisor; coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and preparation and checking of designs and drawings.
1996 – Till Date	Building Design Authority (P) Ltd. Position Held: Construction Supervision Engineer Type of Employment: Part Time Reference Information: Name: Mr. Arun K. Singh / Khem Dallakoti, MD Tel: 977-1-4248200 E-mail: bdapvtltd@gmail.com	Nepal	Design review of urban pipe networks system, rate analysis, estimate, construction supervision, monitoring and evaluating construction works of contractor and community; preparation of variation works and report; preparation of progress reports of the present status of the project; attending meetings with water users committee, town project office and different stockholders; verify the interim and final bills of contractor; quality control of construction works; instruct and supervise junior engineer/overseer and supervisor; coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and preparation and checking of designs and drawings.

Membership in Professional Associations and Publications

- Member, Nepal Engineers Association
- Member, Nepal Engineering Council, No. : 1395 'Civil'
- Associate Member of the Institution of Engineers (INDIA).

Language Skills :

	Reading	Writing	Spoken
English	Excellent	Excellent	Excellent
Nepali	Excellent	Excellent	Excellent
Hindi	Excellent	Excellent	Excellent
Maithali	Excellent	Good	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
<ul style="list-style-type: none"> ▪ Support the P.U to supervise all construction works to ensure quality of works and 	Name of Assignment or Project: Feasibility Study, Detail Engineering Design and construction Supervision of Nirmalpokhari Small Town Urban Water Supply and Sanitation Project funded by ADB Year: November 2016 to till date (17 mm) Location: Pokhara Lekhnath Metropolitan City

technical specification, drawings, and condition of contract;

- Monitor and enforce Quality Assurance and Quality Control Plan;
- Monitor construction and quality control methods, certify that quality of works conform to the specifications and drawings, assess the adequacy of the contractor's inputs in material, labor and construction method, furnish all revisions and detailed drawings as necessary during the continuance of the contract;
- Develop and maintain detailed record of work activities accomplished by the contractors. Prepare and review of bills submitted and claimed for payment by the contractor and forward to Project Manager with recommendations;
- Furnish detailed drawings to the contractors, check contractors' designs and drawings wherever applicable
- Assess and enforce, as per Standard Construction Management System, the adequacy of contractors' inputs in terms of materials, equipment, construction machinery, workers, funds and construction approach and methodologies;
- Prepare measurements for completed works in progress, verify interim claims & bills for payments and forward to Project Manager with recommendations;
- Review and examine the process of passing of contractor's bills and payments to contractors with special emphasis on minimizing the time taken in submission of a bill by the contractor and payment received by the contractor against such bill.
- Prepare operation and maintenance procedures and check installation and commissioning;
- Provide sufficient on the job training to the PIU about the subprojects and its operation and maintenance;
- Provide Services during contract defect liability period.

Client: DWSS **Main Project Features:** Feasibility study, detail engineering survey, design of water supply & sanitation project **Project Cost:** NRs. 350 million **Position Held:** Construction Supervision Engineer **Activities Performed:** Design review of water supply & sanitation system, implement, preferable using an appropriate computer software, the standard Construction Management System at construction sites comprising such as Planning of activities (Work Plan); procurement of construction material and equipment; prepare construction methodology; construction supervision, Deployment of construction machinery & workers; Flow of funds etc and enforce use of such a system by the contractors on project site; Implement the guidelines given in Contract Administration Manual delineating procedures and assigning responsibilities at various competent levels for day to day contract administration requirements such as Measurement of works, certification and payment of contractors' bill; Release of retention money; Approval of variation, time extension and contractors' claim; train construction staff in all these activities and enforce use of this manual in administration of contracts; Implement Quality Assurance and Quality Control (QA & QC) Manual delineating a consistent, comprehensive and uniform system of quality assurance and quality control of the subprojects including but not limited to systems of checks and reviews; description of type, frequency and procedures of on-site as well as laboratory tests and inspections etc; train construction staff in all aspects of QA & QC and enforce implementation; Supervise, monitor & evaluate construction of all project components, prepare measurements for works completed and in progress and verify bills for payment to the contractors / suppliers; Check line level, layout of construction to ensure conformity with the contract, propose any change in the plans; Assess and enforce, as per standard Construction Management System, the adequacy of contractors' inputs in terms of material, equipments, construction machinery, workers and construction approach and methodologies; Monitor and enforce, as detailed out in Safety Manual, the measures taken to ensure safety of the workers, other project personnel, general public and works; Furnish detailed drawings, with revisions as necessary, to the contractor, check contractors' design and drawings for lump sum turnkey contracts (Design/Build contracts); Review and examine the process of passing of contractors' bills and payments to; Attend third party inspections as necessary; Regularly monitor physical and financial progress against the milestones as per the contract so as to ensure completion of contract in time; Monitor and enforce, as detailed out in Quality Assurance and Quality Control (QA & QC) Manual; Examine contractors' claims for time extension, variations, additional compensation etc. and recommend appropriate decision; Assist the Implementing Agency in resolution of various other contractual issues and overall contract management.

Name of assignment or project: Detail Engineering Design and Construction Supervision of Integrated Urban Development Project (IUDP), Dharan Municipality (ADB Loan/ Grant 2851/ 0284 – NEP); Rehabilitation, Extension and Development of Water Supply Project **Year:** October 2015 to October 2016 (12 mm) **Location:** Dharan Municipality, Sunsari **Client:** Project Implementation Unit/ Dharan Municipality **Main project features:** Design population 217,941; 7 schemes, 250 km of pipeline, RCC reservoirs, 2 surface intakes, 8 deep borings private connections-23,168. **Total Project Cost:** NRs. 1750 million **Position held:** Construction Supervision Engineer **Activities Performed:** Supervise and monitor the progress on the 2 test cum production drilling. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant. Assist Team Leader in organize workshop with participate WUSC, Municipality, local Government, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions. NRW reduction in existing rehabilitation system.

Project: Feasibility Study, Detailed Engineering Design, Construction Supervision, Drawings, Documentation, IEE Study Report of Dhankuta Small Towns Urban Water Supply and Sanitation Sector Project (Finance by ADB) **Year:** August 2014 to September 2015 (14 mm) **Location:** Dhankuta Municipality **Client:** DWSS, SSTWSSP, PMO **Main project features:** Population of Dhankuta 30,475, House hold 3804, Gravity flow system, Plain sedimentation, Roughing filter, Slow sand filter, Chlorination, Distribution Reservoir 300m³, Community reservoir, Transmission length 41 km etc. **Total Project Cost:** NRs. 283.45 million **Position held:** Construction Supervision Engineer **Activities performed:** Design review of pipe networks system, rate analysis, estimate, construction supervision, monitoring and evaluating construction works of contractor and community; preparation of variation works and report; preparation of progress reports of the present status of the project; attending meetings with water users committee, town project office and different stockholders; verify the interim and final bills of contractor; quality control of construction works; instruct and supervise junior engineer/overseer and supervisor; coordinate with project management office users regarding construction works, disputes/conflicts and transparency and preparation and checking of designs and drawings.

Project: Feasibility Study, Detailed Engineering Design & Construction Supervision, Drawings, Documentation, IEE Study Report of Letang Small Towns Urban Water Supply and Sanitation Sector Project (**Finance by ADB**) **Year:** October 2013 to July 2014 (10 mm) **Location:** Letang Municipality **Client:** DWSS, SSTWSSP, PMO **Main project features:** Population of Letang 40,441, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration **Total Project Cost:** NRs. 306.05 million **Position held:** Construction Supervision Engineer **Activities preformed:** Design review of pipe networks system, rate analysis, estimate, construction supervision, monitoring and evaluating construction works of contractor and community; preparation of variation works and report; preparation of progress reports of the present status of the project; attending meetings with water users committee, town project office and different stockholders; verify the interim and final bills of contractor; quality control of construction works; instruct and supervise junior engineer/overseer and supervisor; coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and preparation and checking of designs and drawings.

Project: Feasibility Study, Detailed Engineering Design & Construction Supervision, Drawings, Documentation, IEE Study Report of Kakarvita Small Towns Urban Water Supply and Sanitation Sector Project (**Finance by ADB**) **Year:** December 2012 to September 2013 (10 mm) **Location:** Kakarvita, Mechinagar Municipality **Client:** DWSS, SSTWSSP, PMO **Main project features:** HH 6202, Population 50,000, RCC Overhead Tank 450 m³ - 1 no., Ground Based Reservoir - 1 no, Treatment Plant, Well House with Transformer, 1set, 100 KVA. Diesel Generator 56KVA - 1 number, Transmission line - 800m, Distribution Pipelines - 30,000 m **Total Project Cost:** NRs. 370.95 million **Position held:** Construction Supervision Engineer **Activities preformed:** Design review of pipe networks system, rate analysis, estimate, construction supervision, monitoring and evaluating construction works of contractor and community; preparation of variation works and report; preparation of progress reports of the present status of the project; attending meetings with water users committee, town project office and different stockholders; verify the interim and final bills of contractor; quality control of construction works; instruct and supervise junior engineer/overseer and supervisor; coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and preparation and checking of designs and drawings.

Name of assignment or project: Detail Engineering Survey, Design, and Construction Supervision of Municipal Interception Sewers, Service Road, River Training and Other Related Works in urban area of Kathmandu Metropolitan City **Year:** January 2012-October 2012 (10 Months) **Location:** Kathmandu Metropolitan city **Client :** High Powered Committee for Integrated Development of Bagmati Civilization **Main project features:** Municipality Trunk Sewers, urban Road 31.5 km, Bio engineering works, Green belt including pedestrian road, River Training **Total Project Cost:** Nrs. 530.6 Million **Position held:** Construction Supervision Engineer **Activities preformed:** Construction supervision, monitoring and evaluating construction works of contractor and community; Implement Quality Assurance and Quality Control (QA & QC) Manual; maintaining report and drawing products schedule, Giving feedback and exchanging outputs and information between members, Creating and maintaining a proper working environment for the team including the related administrative arrangements, Arranging progress meeting including progress reporting to and receiving feedback information and instructions from the Client and transferring them into outputs, General/contract administration, Contract management and Liaison with the allied agencies, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of assignment or project: Construction Supervision of Melamchi Sub-Project -2 (ICB Contract KUKL/DNI/01) in urban area of Kathmandu Metropolitan City **ADB Financed**) **Year :** Jan 2010 – Dec 2011 (18 man month) **Location:** Kathmandu Metropolitan City **Client:** PID, KUKL Anamnagar, Kathmandu **Main project features:** Water Supply Engineer/ Construction Supervision of Solid Waste Management, Drinking Water Supply Project consisting of 10 km of DI pipe, leakage test, pressure test, Population-135000 **Total Project Cost:** Nrs. 240 Million, **Position held:** Construction Supervision Engineer **Activities preformed:** Construction supervision including maintaining report of and drawing products schedule, Giving feedback and exchanging outputs and information between members, Creating and maintaining a proper working environment for the team including the related administrative arrangements, Arranging progress meeting including progress reporting to and receiving feedback information and instructions from the Client and transferring them into outputs, General/contract administration, Contract management and Liaison with the allied agencies such as local administrative units/KUKL/PID, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Urban Environmental Improvement Project (ICB Contract no. HE/ICB-C-03) (**ADB Loan** no 1966- NEP(SF); **Year:** 2009 (12 man- months); **Location :** Hetauda Municipality; **Client:** DUDBC, UEIP, PIU Hetauda Municipality; **Main Project Features:** Urban Water Supply, Gravity/Pumping systems, 8000 H/H, 50000 Population, 120 lps discharge, treatment plant – Auto wash filters, 2487 house connection, Sewerage 12472 m, RBTP- 3 nos, Road, 500M³ underground reservoir & 450M³ OHT, 53 KM pipeline distribution. **Total Project Cost:** NRs. 459 Million; **Position held:** Construction Supervision Engineer **Activities preformed:** Review of existing design report, conduct detail engineering survey of water supply and sewerage system and sewerage treatment plan, prepare a detailed engineering design working drawing, cost estimate with BOQ including specifications of the projects, construction supervision of the water supply & sewerage systems. Provided training on EMP and GESI; Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of community led Itahari – A, B, C Town Urban Water Supply and Drainage Projects (ICB Contract no. STWSSP/Itahari/ICB-09) (**Funded by ADB Loan** no 1755- NEP(SF); **Year:** May 2006-December 2008 (30 man- months); **Location:** Itahari Sub Metropolitan city; **Client:** DWSS, STWSSSP, PMO; **Main Project Features:** The project was divided into three sub projects: Itahari –A, Itahari-B, Itahari-C. Itahari-A includes rehabilitation and improvement of existing system and Itahari-B, C consists of new system. Total HH in project area was 7760 and survey population was

38,913. The total no of house connection was 7022. Supply and installation of 5022 number of new water meter and replacement of 2000 meter. The project consists of Structural design of two nos. of 450 cum RCC Overhead tank, four new deep tube-wells of depth 108-120m and improvement of existing two deep tube wells, Six nos. of pumps installation, 2 nos. of transformer, 3 set of generator 100KVA, 91.99 km distribution and main pipe system (Consists of DI pipe size 350-200mm of 9.8Km length), Three nos. of Water treatment plant 75 ltr/sec, 1200M storm Drainage, public toilets-1 nos, pump house-4 nos, Guard house -3 nos, office building-3 nos, Compound wall-2nos etc. **Total Project Cost:** NRs. 259 Million; **Position Held:** Construction Supervision Engineer; **Activities Performed:** Supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government. Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; NRW assessment in existing rehabilitation system, Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of community led Mahendranagar Small Town Urban Water Supply and Drainage Projects. (ADB Loan no 1755- NEP (SF) Year: September 2005 – February 2006 (6 man months) **Location:** Mahendranagar Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2436 H/H, 15891 Population, 1 KM drainage, 2 nos. of boreholes, 450M³ OHT, house connection 1200, 75KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 62 Million. Drainage Nrs 11.25 Million **Position Held:** Construction Supervision Engineer; **Activities Performed:** Preparing construction management system, administration manual, regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; supervision and monitoring construction works, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of assignment or project: Detail design and Construction Supervision of Storm water drainage & RCC Roads in urban area of Kathmandu Metropolitan City (Financed By Indian Embassy) **Year:** December 2004- August 2005 (9 Man-months) **Location:** Kathmandu Metropolitan city. **Client:** Indian Embassy. **Main project features:** storm water drainage 5Km roads 6km and Boundary wall **Total Project Cost:** NRs. 105 million **Position held:** Construction Supervision Engineer; **Activities performed:** Check the line level, layout of the construction to ensure conformity with the design and the provision of the contract, Approval of any change in the plan and prepared change/variation order, construction supervision with quality control method and certify that quality of work conformed to the specification and drawing. Prepare all revision and detail drawing as necessary during the continuance of the contract. Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of community led Kohalpur Small Town Urban Water Supply and Drainage Projects. (ADB Loan no 1755- NEP (SF) **Year:** August 2003 – November 2004 (15 man months) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 83 Million Drainage Nrs 11.00 Million **Position held:** Construction Supervision Engineer; **Activities Performed:** Preparing construction management system, administration manual, regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; construction supervision of works, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Detailed Engineering of DNI Phase 'O' under project management consultancy Melamchi Water Supply Project in urban area of Kathmandu Metropolitan City **Year:** 2000-July 2003 (24 mm) **Location:** Kathmandu Metropolitan City **Client:** Melamchi Water Supply Project, PMC Kathmandu **Main project features:** DNI Phase 'O' works consisting of tertiary distribution network improvements including pipe replacements bulk meter requirements, improvements in intakes and treatment plants and tube wells/ pumping stations. Total different 5 contract packages (DED Sub team). **Total Project cost:** 400 Million **Position held:** Construction Supervision Engineer; **Activities Performed:** Preparing construction management system, administration manual, regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; construction supervision and monitoring construction works, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Detailed Survey, design and construction supervision of Bhuregoan – Karnali Road of (22km WB Finance); **Year:** 1999-2000 (22 Man- Months); **Location:** Bhuregoan – Karnali; **Client:** DOR; **Main Project Features:** Black top and resealing of 22 km of road. **Total Project Cost** NRs. 340 Million; **Position Held:** Resident Engineer; **Activities Performed:** Construction supervision of roads includes pavement improvement and resealing; supervise and monitor the progress on the project. Project Formulation and implementation work, Planning and Monitoring, Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions and contract administration.

Name of assignment or project: Bhairahawa (Siddharthanagar Municipality) Lumbini resealing road contract Package - 9 under RMP, DOR,

ODA (World Bank) funded Project Year: Jan 1997 - June 1998 (10 man month) Client : DOR Location: Bhairahawa (Siddharthanagar Municipality) – Limbini Total Project Cost: NRs. 141 Million Position held: Construction Supervision Engineer Activities performed: Contract administration, Contract management and Liaison with the allied Check the line level, layout of the construction to ensure conformity with the design and the provision of the contract, Approval of any change in the plan and prepared change/variation order, construction supervision with quality control method and certify that quality of work conformed to the specification and drawing, Prepare all revision and detail drawing as necessary during the continuance of the contract, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions;

Name of assignment or project: Feasibility study, detail engineering design and construction supervision of Buka-Raitari and Panchadhara water supply projects. Year: 1996 (8 months) Location: Dang Client: DWSO, Dang Main project features: 650HH, 4100 population, 25 km pipe line distribution. Total Project Cost Nrs. 66,00,000 Position held: Water Supply / Civil Engineer; Activities performed: Feasibility Study and Detail Engineering Design, Cost estimate and preparation of BOQ & Specification, construction supervision with quality control; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan.

Expert's Contact Information: (E-mail: mchandeshwar@yahoo.com;

Phone: +977-9841360550)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018
Day/Month/Year

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA




STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	<i>Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"</i>
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Chandeshwar Mahato
Position	K- 7, Construction Supervision Engineer - I
Signature	
Date	October 7, 2018



FORM TECH -7: CURRICULUM VITAE (CV)

Position Title and No.	K- 7, Construction Supervision Engineer - II
Name of Firm	Building Design Authority (P) Ltd.
Name of Expert	Mr. Kamal Narayan Sardar
Date of Birth	May 1960
Citizenship	Nepali

Education :

- B.E. Civil Engineer, Roorkee University, Roorkee U.P, India, 1987

Other Training :

- Water Resources and Irrigation (HYDEL) i.e. Hydropower/ Irrigation Project work (Modernization of New Upper Ganga Canal U.P. India) at the period of 6 months training course in 1987, Roorkee.
- Training for Regional & District Engineers on Implementation of Project form August 1989 to September 1989 held in Kathmandu, Nepal – 4 weeks.
- Training/ Workshop in Project Management Procurement and Contract Management of ADB financed STWSSP Panipokhari, Kathmandu – 1 week

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
January 2009 – To Till Date	Building Design Authority Pvt. Ltd, Position Held: Project Manager/Construction Supervision Engineer/ Water Supply and Sanitation Engineer Type of Employment: Full Time Reference Information: Name: Mr. Khem Dallakoti, Managing Director Tel: 977-1-4248200 E-mail: bdapvtltd@gmail.com	Nepal	Construction supervision monitoring and evaluating construction works of contractor and community; Preparation of variation works and report; Preparation of progress reports of the present status of the project; Attending meetings with water users committee, Town Project Office and different stockholders; Verify the Interim and Final Bills of contractor; Quality Control of Construction Works
March 2007 – December 2008	Ning Shing Lumbini J/V Position Held: Construction Supervision Engineer Type of Employment: Part Time Reference Information: Name: Mr.Kiran Baidhya, Managing Director Tel: 977-1-4426478 E-mail: vaidyemail@gmail.com	Nepal	Supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government. Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan.
Dec 2005 – Dec 2006	Syno- hydro Constructor Company, China Position Held: Project Manager/ Construction Supervision Engineer Type of Employment: Full Time Reference Information: Name: Mr.Chang Wei Dong (Chief Engineer)	Oman	Responsible for Construction Supervision & Cost Evaluation of different site of pipes laying for sub – surface flow of waste water in connection of different places (Azaibaha, Ruwi, Ilam, Alkhwe etc.) in Muscat City, Oman.
1996 – November 2004	Building Design Authority Pvt. Ltd, Position Held: Construction Supervision Engineer Type of Employment: Full Time Reference Information: Name: Mr. Arun K. Singh, Managing Director Tel: 977-1-4248200 E-mail: bdapvtltd@gmail.com	Nepal	Ensure timely completion of preliminary designs, detailed design reports, detailed design and construction supervision of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads and all as prescribed or desired by PMO, Overall control/management /administration of consulting services, Prepare project reports, Review and establish of Design Criteria of the Project, and Appraisal. Check and review the feasibility study report, Urban Planning, review the design concept, supervise and monitor the progress on the sub projects. Project Formulation and implementation work.
September 1994 to October 1995	C- Mech Plus Engineering Consultancy, Biratnagar Position Held: Design / Construction Supervision Engineer Type of Employment: Full Time Reference Information: Name: Mr. Anand Chaudhary, Managing	Nepal	Construction supervision monitoring and evaluating construction works of contractor and community; Preparation of variation works and report; Preparation of progress reports of the present status of the project; Attending meetings with water users committee, Town Project Office and different stockholders; Verify the Interim and Final Bills of contractor; Quality Control of Construction Works.

	Director		
Nov 1992 – August 1994	Nippon Koei- Hyundai JV- Sunsari- Morang Irrigation Project Position Held: Construction Supervision Engineer Type of Employment: Full Time Reference Information: Name: S. Muramoto, Team Leader	Nepal	Construction supervision monitoring and evaluating construction works of contractor and community; Preparation of variation works and report; Preparation of progress reports of the present status of the project; Attending meetings with water users committee, Town Project Office and different stockholders; Verify the Interim and Final Bills of contractor; Quality Control of Construction Works.
Jan 1991 – April 1992	Irrigation Line of Credit Paradi, Pokhara Position Held: Design / Construction Supervision Engineer Type of Employment: Full Time	Nepal	Supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Prepare monthly progress reports, organize workshop. Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan
April 1988 – Feb 1990	District Irrigation Office/ DOI, Morang Position Held: Chief/ District Engineer Type of Employment: Full Time	Nepal	Responsible for whole works of district irrigation office and implementation of the irrigation schemes under Eastern regional irrigation directorate. Feasibility study and engineering design of several irrigation subproject

Membership of Professional Associations and Publications :

- Member, Nepal Engineers' Association
- Member Nepal Engineering Council
- Engineering Council Registration 4212 Civil A Category

Language Skills :

	Reading	Writing	Spoken
English	Excellent	Excellent	Excellent
Nepali	Excellent	Excellent	Excellent
Hindi	Excellent	Good	Good
Maithali	Good	Good	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
<ul style="list-style-type: none"> ▪ Support the PIU to supervise all construction works to ensure quality of works as per technical specification, drawings, and condition of contract; ▪ Monitor and enforce Quality Assurance and Quality Control Plan; ▪ Monitor construction and quality control methods, certify that quality of works conform to the specifications and drawings, assess the adequacy of the contractor's inputs in material, labor and construction method, furnish all revisions and detailed drawings as necessary during the continuance of the contract; ▪ Develop and maintain detailed record of work activities accomplished by the contractors. Prepare and review of bills submitted and claimed for payment by the contractor and forward to Project Manager with recommendations; ▪ Furnish detailed drawings to the contractors, check contractors' designs and drawings wherever applicable ▪ Assess and enforce, as per Standard Construction Management System, the adequacy of contractors' inputs in terms of materials, equipment, construction machinery, workers, funds and construction approach and methodologies; ▪ Prepare measurements for completed works in progress, verify interim claims & bills for payments and forward to Project Manager with recommendations 	<p>Name of assignment or project: Detail Engineering Design and supervision of Dharan Water Supply Project (Integrated Urban Development Project (IUDP) (ADB / TDF/ Municipality Funded) Year : July 2016 to till date (21 mm) Location: Dharan, Sunsari Client: PIU/ Dharan Municipality Main project features: Detailed Survey of 421.30 Km of new and old Transmission and Distribution Line and Design of 19.713 MLD Total Water Demand, 5 number of Reservoir capacity 1600,600,500; Sumps for Booster stations, 3 number of Intake Rehabilitation and protection works, Plantation works, Water Treatment Facilities- Flocculator and sedimentation tank, Rapid sand filter, Backwash Reservoir – 16.2 MLD Capacity; Total tap connection – 40732 numbers; Design Year Population 1,85,486; FIRR 4.79%, EIRR 35.52, AIEC 48.91, AIFC 34.66; Generator 4 numbers 150 KV, Transformers 4 number 11 KV – 10 km, Protection of Sardu Watershed, Road Reinstatements Works of 172 km, River crossing works, New Tube well Drilling works, Pressure Test/ Leakage tests, NRW assessment, GIS Mapping of Dharan Municipality, GESI training, Environmental Mitigation works, Operation by contractor for 9 months, Community development and GESI Activity programmes, Formation of Dharan Water Supply Management Board, Preparation of Business Plan. Construction Supervision of Storm Drainage is 4 Km., Construction Supervision of 2 nos. of Community Building at Sangam tole and Saune, Dharan Total Project Cost: Nrs.1750 million Position Held: Construction Supervision Engineer Activities Performed: Supervise and monitor the progress on the 2 test cum production drilling. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant. Assist Team Leader to organize workshop with participate WSSC Municipality, local Government, Work as the engineer or</p>

- Review and examine the process of passing of contractor's bills and payments to contractors with special emphasis on minimizing the time taken in submission of a bill by the contractor and payment received by the contractor against such bill.
- Prepare operation and maintenance procedures and check installation and commissioning;
- Provide sufficient on the job training to the PIU about the subprojects and its operation and maintenance;
- Provide Services during contract defect liability period.

employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions; NRW reduction in existing rehabilitation system.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of Second Small Town Urban Water Supply and Sanitation Sector Project (Batch II, Package IV), Letang (ADB Funded) **Year:** January 2013– June 2016 (41 mm) **Location :** Letang **Client:** DWSS, STWSSSP, PMO **Main Project Features:** total population 30,441, borewells - 2 nos., multigrade filters – 2 nos. RCC reservoir OHT, Ground reservoirs – 225m³ and distribution network – 90.85 km **Total Project Cost:** NRs. 24.99 crore, **Position Held:** Construction Supervision Engineer **Activities performed:** Construction supervision, monitoring and evaluating construction works of contractor and community; Implement Quality Assurance and Quality Control (QA & QC) Manual delineating a consistent, comprehensive and uniform system of quality assurance and quality control of the subprojects including but not limited to systems of checks and reviews; description of type, frequency and procedures of on-site as well as laboratory tests and inspections etc; train construction staff in all aspects of QA & QC and enforce implementation so as to achieve the highest standards of quality on each site of subprojects in each town; Supervise and monitor construction of all project components, prepare measurements for works completed and in progress and verify bills for payment to the contractors/suppliers; Check line level, layout of construction to ensure conformity with the contract, propose any change in the plans, if required; Assess and enforce, as per standard Construction Management System, the adequacy of contractors' inputs in terms of material, equipments, construction machinery, workers and construction approach and methodologies; Monitor and enforce, as detailed out in Safety Manual, the measures taken to ensure safety of the workers, other project personnel, general public and works; Furnish detailed drawings, with revisions as necessary, to the contractor, check contractors' design and drawings for lump sum turnkey contracts (Design/Build contracts); Review and examine the process of passing of contractors' bills and payments to contractors with special emphasis on minimizing the time taken in submission of a bill by the contractor and payment received by the contractor against such a bill; Attend third party inspections as necessary and provide certification on the quality of the supplies based on such inspections; Work as the engineer or employers' representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contract so as to ensure completion of contract in time; Monitor and enforce, as detailed out in Quality Assurance and Quality Control (QA & QC) Manual, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' claims for time extension, variations, additional compensation etc and recommend appropriate decision; Assist the Implementing Agency in resolution of various other contractual issues and overall contract management; After physical completion of contract, prepare planned maintenance procedures; check installation and commissioning; monitor preparation of the "as built" drawings; Identify training needs, organize training courses, train WUSC members and staff on the job in order to ensure effective O & M post construction period.

Name of assignment or project: Detail Engineering Survey, Design, and Construction Supervision of Municipal Interception Sewers, Service Road, River Training and Other Related Works in urban area of Kathmandu Metropolitan City **Year:** November 2011 - December 2012 (13 mm) **Location:** Kathmandu Metropolitan city **Client :** High Powered Committee for Integrated Development of Bagmati Civilization **Main project features:** Municipality Trunk Sewers, urban Road 31.5 km, Bio engineering works, Green belt including pedestrian road, River Training **Total Project Cost:** Nrs. 530.6 Million **Position held:** Construction Supervision Engineer **Activities performed:** Construction supervision, monitoring and evaluating construction works of contractor and community; Implement Quality Assurance and Quality Control (QA & QC) Manual; maintaining report and drawing products schedule, Giving feedback and exchanging outputs and information between members, Creating and maintaining a proper working environment for the team including the related administrative arrangements, Arranging progress meeting including progress reporting to and receiving feedback information and instructions from the Client and transferring them into outputs, General/contract administration, Contract management and Liaison with the allied agencies, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of Assignment or Project: Detailed Engineering Design Review and Construction Supervision of Melamchi Water Supply sub-project 2 (ICB Contract KUKL/DN/01, KUKL/DN/01, KUKL/DN/02) Melamchi Sub-Project-2 in urban area of Kathmandu Metropolitan City **ADB Finance; Year:** Jan 2011 – October 2011 (10 mm); **Location:** Kathmandu Metropolitan City; **Client:** PID, KUKL Anamnagar, Kathmandu; **Main Project Features:** Construction Supervision of Demo project, Immediate improvement 1 & 2, Deep tube well-5 nos., Disinfection plant 100,000 population, leakage test, pressure test, NRW Assessment **Total Project Cost:** NRs. 428.64 Million; **Position Held:** Construction Supervision Engineer; **Activities Performed:** Maintaining report and drawing products schedule, Giving feedback and exchanging outputs and information between members, Creating and maintaining a proper working environment for the team including the related administrative arrangements, Arranging progress meeting including progress reporting to and receiving feedback information and instructions from the Client and transferring them into outputs, General/contract administration, Contract management and Liaison with the allied agencies such as local administrative units/KUKL/PID, Work as the engineer or employer's representative within the context of conditions of the construction contracts; construction supervision of the works; regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and

recommend appropriate decisions.

Name of assignment or project: Feasibility Study and Detail Engineering Design & Construction Supervision Urban Water Supply Project (ADB Loan no 1966- NEP(SF) Year: January 2009 – December 2010 (23 man-months) **Location :** Hetauda Municipality **Client:** DUDBC, UEIP, PIU Hetauda **Main project features:** Urban Water Supply, Gravity/Pumping systems, 8000 H/H, 50000 Population, 120 lps discharge, treatment plant – Auto wash filters, 2487 house connection, 500M³ underground reservoir & 450M³ OHT, 53 KM pipeline distribution **Project Cost:** Nrs 192.433 Million **Position held:** Construction Supervision Engineer **Activities Performed:** Supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Water quality, monitoring identify the water treatment requirement and detailed design of water treatment plant. Assist Team Leader in organize workshop with participate WUSC, Municipality, local Government, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; NRW reduction in existing rehabilitation system

Name of assignment or project: Feasibility Study and Detail Engineering Design and Construction Supervision of Itahari Town Urban Water Supply and Drainage Projects (ICB Contract no. STWSSP/Itahari/ICB-09). (ADB Loan no 1755- NEP(SF) Year : March 2007-December 2008 (21 man- months) **Location :** Itahari Municipality **Client:** DWSS, STWSSSP, PMO **Main project features:** Pumping system, 17760 H/H, 38913 Population, Drainage 750m, house connection- 5099, boreholes, 450M³ OHT, 91.99KM pipeline distribution, Treatment plant pressure filter units, office buildings, guard houses, Public toilets and Site developments. **Total Project Cost:** Nrs.190 Million. Drainage .Nrs 15.00 Million **Position held:** Project Manager/ Construction Supervision Engineer **Activities performed:** Monitor the progress on the sub projects. Project Formulation and implementation & planning of works, construction supervision and implementation. Prepare monthly progress reports, organize workshop with participate WUSC, Municipality, local Government. Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Name of assignment or project: Waste Water Project in Muscat Metropolitan City, Oman Year: Dec 2005 – Dec 2006 (12 mm) **Location:** Muscat, Oman **Project Cost:** US\$ 150 million **Position:** Construction Supervision Engineer **Activities performed:** Responsible for construction supervision & cost evaluation of different site of pipes laying for sub – surface flow of waste water in connection of different places (Azaibaha, Ruwi, Ilam, Alkhwe etc.) in Muscat City, Oman; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings.

Name of Assignment or Project: Feasibility Study and Detail Engineering Design and Construction Supervision of Kohalpur Small Town Water Supply and Drainage Projects in urban area of Kohalpur Municipality. (ADB Loan no 1755- NEP (SF) Year: August 2003 – November 2004 (16 man months) **Location:** Kohalpur Municipality **Client:** DWSS, STWSSP, PMO **Main project features:** Pumping system, 2544 H/H, 14297 Population, 700 M drainage 3 nos. of boreholes, 450M³ OHT, house connection-3170, 50KM pipeline distribution, Treatment units up-flow and multi grade pressure filters with chlorination, office buildings, guard houses, Public toilets and Sites developments. **Total Project Cost:** Nrs. 83 Million Drainage Nrs 11.00 Million **Position held:** Construction Supervision Engineer **Activities performed:** Ensure timely completion of preliminary designs, detailed design reports, detailed design and construction supervision of water supply, sewerage, drainage & water supply treatment plant, rehabilitation of urban roads and all as prescribed or desired by PMO, Overall control/management /administration of consulting services, Prepare project reports, Review and establish of Design Criteria of the Project, and Appraisal. Check and review the feasibility study report, Urban Planning, review the design concept, supervise and monitor the progress on the sub projects. Project Formulation and implementation work.

Name of Assignment or Project: Detailed Engineering of DNI Phase 'O' under project management consultancy for Melamchi Water Supply Project in urban areas of Kathmandu Metropolitan City Year: 2000-July 2003 (24 mm) **Location:** Kathmandu Metropolitan City **Client:** Melamchi Water Supply Project, PMC Kathmandu **Main project features:** DNI Phase 'O' works consisting of tertiary distribution network improvements including pipe replacements bulk meter requirements, improvements in intakes and treatment plants and tube wells/ pumping stations. Total different 5 contract packages (DED Sub team). **Total Project cost:** 400 Million **Position held:** Construction Supervision Engineer **Activities performed:** Review of existing report, design of water supply, sewerage & drainage system, rehabilitation of urban roads, preparation of specification, bill of quantity, construction management system, preparation administration manual, preparation of quality and quantity control, construction supervision and monitoring construction works, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.

Name of Assignment or Project: ADB IV Urban Water Supply and Sanitation Sector Project Year: 1996 – 2000 (36 man- months) **Location:** Amargadhi & Pokhara Municipality **Client:** DWSS **Main project features:** detailed engineering design & construction supervision of water supply, sewerage & drainage **Total Project cost** 250 Million **Position held:** Construction Supervision Engineer **Activities performed:** Review of existing report, design of water supply, sewerage & drainage system, preparation of quality and quantity control, supervision and monitoring construction works, monitor & enforce safety manual, ensure safety of the workers, provide certification on the quality, preparation planned maintenance, identification training requirements etc.

Name of assignment or project: Detailed Feasibility and Design of Sunsari- Morang Irrigation Project Stage – III (World Bank Finance) **Project Cost:** Nrs. 6000 million **Client:** Sunsari- Morang Irrigation Project / Biratnagar Sub- Metropolitan City **Location:** Biratnagar, Sub-Metropolitan City **Year :** September 1994 to October 1995 (13 mm) **Position :** Project Manager/ Construction Supervision Engineer **Activities performed:** Construction supervision, monitoring and evaluating construction works of contractor and community; Preparation of variation works and report; Preparation of progress reports of the present status of the project; Attending meetings with water users committee, Town Project Office and different stockholders; Verify the Interim and Final Bills of contractor; Quality Control of Construction Works; Instruct and supervise junior engineer/overseer and supervisor; Coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and Preparation And Checking Of Design Estimate And Drawings.

Name of assignment or project: Detailed Feasibility and Design of Sunsari- Morang Irrigation Project Stage – II (World Bank Finance)
Year: November 1992 to August 1994 (21 mm) **Client:** Sunsari- Morang Irrigation Project / Biratnagar Sub- Metropolitan City **Location:** Biratnagar **Project Cost :** Nrs.800 million **Position:** Project Manager/ Construction Supervision Engineer **Activities performed:** Construction supervision monitoring and evaluating construction works of contractor and community; Preparation of variation works and report; Preparation of progress reports of the present status of the project; Attending meetings with water users committee, Town Project Office and different stockholders; Verify the Interim and Final Bills of contractor; Quality Control of Construction Works; Instruct and supervise junior engineer/overseer and supervisor; Coordinate with project management office, users regarding construction works, disputes/conflicts and transparency and Preparation And Checking Of Design, Estimate And Drawings.

Name of assignment or project: Irrigation of District Office **Year:** January 1991 to April 1992 (15 mm) **Location:** Pardi, Pokhara Sub-Metropolitan City **Project Cost:** 175 million **Position:** Design/Construction Supervision Engineer **Activities performed:** Supervise and monitor the progress on the sub projects. Project Formulation and implementation work, Planning and Monitoring, Construction Supervision and implementation. Prepare monthly progress reports, organize workshop. Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions.

Expert's Contact Information: (E-mail: kamal.sardar45@gmail.com;

Phone: +977-9842027027)

Certification

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018

Day/Month/Year

Full name of authorized representative: Mr. Chandeshwar Mahato, Managing Director, PEA




STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Kamal Narayan Sardar
Position	K- 7, Construction Supervision Engineer – II
Signature	
Date	October 7, 2018



Chief Administrative Officer

FORM TECH -6: CURRICULUM VITAE (CV)

Position Title and No.	K-8; Asset Management Specialist
Name of Firm	B.N. Consultancy Pvt. Ltd.
Name of Expert	Mr. Laxman Acharya
Date of Birth	18 th April 1982
Citizenship	Nepali

Education :

- M.Sc. Construction Management from Nepal Engineering College, Bhaktapur, 2017
- B.E. (Civil Engineering) from Acme Engineering College, Kathmandu, 2010
- I.E. (Diploma in Civil Engineering) from Nepal Polytechnic Institute, Chitwan, 2003

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
March 2010 to till date	Building Design Authority Pvt. Ltd. Position Held: Asset Management Specialist / Water Supply Engineer Type of Employment: Full Time Reference Information: Name: Mr. Khem Dallakoti, Managing Director Tel: 977-1-4248200 E-mail: bda@info.com.np	Nepal	Review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan; preparing inventory of all municipal assets and their assessment and evaluation of urban water supply systems belonging Municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of urban water supply systems and prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Membership of Professional Associations and Publications :

- Member, Nepal Engineers Association's, (Membership no. 12393 "Civil")
- Member, Nepal Engineering Council, Reg. No. : 6544 (Civil) "A" Category

Language Skills :

	Reading	Writing	Spoken
English	Good	Good	Good
Nepali	Good	Good	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
<ul style="list-style-type: none"> • Prepare an inventory of municipal assets and establish an asset inventory and management system; • Assist the Team Leader in implementing the asset management system; 	<p>Name of assignment or project: Detail Engineering Design and supervision of Dharan Water Supply Project (Integrated Urban Development Project (IUDP) (ADB / TDF/ Municipality Funded) Year : April 2017 to till date (13 mm) Location: Dharan, Sunsari Client: PIU/ Dharan Municipality Main project features: Detailed Survey of 421.30 Km of new and old Transmission and Distribution Line and Design of 19.713 MLD Total Water Demand, 5 number of Reservoir capacity 1600,600,500; Sumps for Booster stations, 3 number of Intake Rehabilitation and protection works, Plantation works, Water Treatment Facilities- Flocculator and sedimentation tank, Rapid sand filter, Backwash Reservoir – 16.2 MLD Capacity; Total tap connection – 40732 numbers; Design Year Population 1,85,486; FIRR 4.79%, EIRR 35.52, AIEC 48.91, AIFC 34.66; Generator 4 numbers 150 KV, Transformers 4 number 11 KV – 10 km, Protection of Sardhu Watershed, Road Reinstatements Works of 172 km, River crossing works, New Tube well Drilling works, Pressure Test/ Leakage tests, NRW assessment, GIS mapping of Dharan Municipality, GESI training, Environmental Mitigation works, Operation by contractor for 9 months, Community development and GESI Activity programmes.</p>

Formation of Dharan Water Supply Management Board, Preparation of Business Plan. Construction Supervision of Storm Drainage is 4 Km., Construction Supervision of 2 nos. of Community Building at Sangam tole and Saune, Dharan **Total Project Cost:** Nrs.1750 million **Position Held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works; prepare & implement assets management system. **As Asset Management Specialist involved in:-** preparing inventory of all municipal assets and their assessment and evaluation of urban water supply systems belonging to Dharan Municipality. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water supply pipelines, water treatment plants, reservoirs, office and other buildings of all water supply systems operated and owned by Dharan Municipality. gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of Dharan urban water supply systems and prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Name of Assignment or Project: Third Small Towns Project in urban areas of Western Region; Design, Supervision and Management Consultant (WRDSMC) (Loan No.3157 NEP) **funded by ADB Year:** July 2016 – March 2017 (9 mm) **Location:** Bhimdutta Municipality, Panchapuri Municipality, Madhyabindu Municipality and Abukhaireni Rural Municipality **Client:** DWSS **Main Project Features:** Western region design, supervision and management for third small town water supply project, Population of Suda is 13,378; Abukhaireni is 9,469; Babiychaur is 5,561; Tamsaria is 15,028 **Project Cost:** NRs. 1.07 billion **Position Held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations related with water supply, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of small town water supply and sanitation systems belonging to WUSCs of municipalities. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water and sewer pipelines, water and waste water treatment plants, reservoirs, office and other buildings of all water supply and sewerage systems operated and owned by WUSCs of municipalities. Study and review documents and reports of water supply and sewerage systems of municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of 4 urban water supply systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Name of Assignment or Project: Design Review of Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP) Kavre Valley Integrated Water Supply Project (ADB Funded) **Year:** July 2015 – June 2016 (12 mm) **Location:** Banepa, Panuti and Dhulikhel Municipalities **Client:** PIU, STIUEIP **Main Project Features:** Total Population of 92,830, Total House Connection of 4932, 5 nos. Intake, 3 nos. Collection Chamber, 1 no. Roughening filter, 1 no. Slow sand filter, total length of the distribution main is 159.47 km, 2 nos. pump house, treatment plant etc. **Total Project Cost:** NRs. 875.21 million **Position Held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations related with water supply, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of water supply systems belonging to municipalities. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water supply pipelines, water treatment plants, reservoirs, office and other buildings of all water supply systems operated and owned by municipalities. Study and review documents and reports of water supply systems of municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of urban water supply systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short,

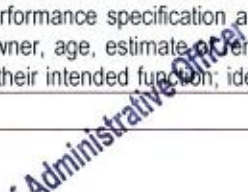
medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Project: Feasibility Study, Detailed Engineering Design & Construction Supervision, Drawings, Documentation, IEE Study Report of Letang Small Towns Urban Water Supply and Sanitation Sector Project (Finance by ADB) **Year:** October 2014 to June 2015 (9 mm) **Location:** Letang Town of Morang district **Client:** DWSS, SSTWSSP, PMO **Main project features:** Population of Letang 16,894, Gravity/Pumping system, Social – Economic, IEE Study, Social Study, RCC overhead tank, deep boreholes, 250 km pipe length, Rapid sand filter, Water Supply, Drainage/ Sewerage 3477.23m, Sedimentation tank, Aeration. **Total Project Cost:** NRs. 286,981,038.47 **Position held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations related with water supply, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of small town water supply and sanitation systems belonging to DWSS. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water and sewer pipelines, water and waste water treatment plants, reservoirs, office and other buildings of all water supply and sewerage systems operated and owned by DWSS. Study and review documents and reports of water supply and sewerage systems of municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of urban water supply systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Name of Assignment or Project: Feasibility Study, Detailed Engineering Design and Construction Supervision of Kakarvitta, Second Town Urban Water Supply and Sanitation Sector Project (Batch II, Package IV) (ADB Funded) **Year:** January 2014 – September 2014 (9 mm) **Location :** Kakarvitta Municipality, **Client:** DWSS, STWSSSP, PMO **Main Project Features:** total population 56900, house connection 6800, Yield 81 lps, maintenance of 4 nos. of deep tube well and 3 nos. of new tubes well (150 – 200m), Pump 45HP, 30HP, 22 HP, 17 HP, total distribution 103 km, Water Treatment, Pressure Filter, Valve 174, Reservoir 450, 450, 225,100m³ etc. **Total Project Cost:** NRs. 33.66 crore, **Position Held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** review of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations related with water supply, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of small town water supply and sanitation systems belonging to DWSS. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water and sewer pipelines, water and waste water treatment plants, reservoirs, office and other buildings of all water supply and sewerage systems operated and owned by DWSS. Study and review documents and reports of water supply and sewerage systems of Kakarvitta municipality; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of urban water supply systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Project: Feasibility Study, Detailed Engineering Design, Construction Supervision, Drawings, Documentation, IEE Study Report of Dhankuta Small Towns Urban Water Supply and Sanitation Sector Project (Finance by ADB) **Year:** January 2013 to December 2013 (12 mm) **Location:** Dhankuta Town of Dhankuta district **Client:** DWSS, SSTWSSP, PMO **Main project features:** Population of Dhankuta 16732, House hold 3804, Gravity flow system, Plain sedimentation, Roughing filter, Slow sand filter, Chlorination, Distribution Reservoir 300m³, Community reservoir, Transmission length 41 km etc. **Total Project Cost:** NRs.282,148,471.72 **Position held:** Asset Management Specialist / Water Supply Engineer **Activities Performed:** **As Water supply engineer involved in:-** preparing of design and detailed drawings, carry out all necessary surveys, studies, and investigations, review available data/reports and also that obtained from surveys, studies, and investigations related with water supply, prepare preliminary design report, detailed engineering design report, Cost estimates etc.; construction supervision and implementation; monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of small town water supply and sanitation systems belonging to DWSS. The fixed assets for inventory and assessment include major components such as intakes, wells and pumps, generators and electrical equipment, water and sewer pipelines, water and waste water treatment plants, reservoirs, office and other buildings of all water supply and sewerage systems operated and owned by DWSS. Study and review documents and reports of water supply and sewerage systems of municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of urban water supply systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and

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long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Name of assignment or project: Detail Engineer Survey, Design, and Construction Supervision of Municipal Interception Sewers, Service Road, River Training and Other Related Works. **Year:** March 2010-December 2012 (34 mm) **Location:** Kathmandu Metropolitan city **Client** : High Powered Committee for Integrated Development of Bagmati Civilization **Main project features:** Municipality Trunk Sewers 11.306 km, Service Road 6.141km River Training 6.030m, Population 22,00,000 **Total Project Cost:** Nrs. 530.6 Million **Position held:** Sanitation Engineer / Asset Management Specialist **Activities performed:** As Sanitation engineer involved in:- General/contract administration, Contract management and Liaison with the allied agencies, Work as the engineer or employer's representative within the context of conditions of the construction contracts; Regularly monitor physical and financial progress against the milestones as per the contracts so as to ensure completion of contracts in time; Monitor and enforce, as detailed out in the Quality Assurance and Quality Control (QA & QC) Plan, the quality of inputs, processes, and outputs during all activities of construction to ensure the highest quality of works conforming to the specifications and drawings; Examine contractors' requests for time extension, variations, additional compensation and claims and recommend appropriate decisions. **As Asset Management Specialist involved in:-** preparing & implementing assets management system; prepare inventory of all municipal assets and their assessment and evaluation of small town water supply and sanitation systems belonging to HPCIDBC. The fixed assets for inventory and assessment include major components such as generators and electrical equipment, sewer pipelines, waste water treatment plants, office and other buildings of all sewerage systems operated and owned by HPCIDBC. Study and review documents and reports of water supply and sewerage systems of municipalities; gathered all required data and information through inspection for inventory and evaluation purposes; assess and evaluate the materials, construction quality, ages and condition grades, performance rating including their present valuation of all fixed asset components of sewerage systems; and Prepare a detailed report; prepare measurable standard performance specification and a minimum condition grade (CG); List/Inventory & Condition of all assets within the system such as asset owner, age, estimate of remaining life etc; plan the actions to bring or keep the assets above their minimum condition and able to perform their intended function; identify short, medium and long term costs for the asset system; prepare cost-profile for operating, maintaining, refurbishing and replacing to sustain the Standard of Service; estimate the whole-life cost and determine the average annual costs.

Expert's contact information: (e-mail: acharyafamily_2041@yahoo.com, phone: +977-9851035906)

Certification :

I, the undersigned, certify to the best of my knowledge and belief that;

- This CV correctly describes my qualifications and my experience;
- I am not employed by the Executing or the Implementing Agency;
- In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH-6 provided team mobilization takes place within the validity of this proposal;
- I was not part of the team who wrote the terms of reference for this consulting services assignment;
- I am not currently debarred by a multilateral development bank;
- I certify that I have been informed by the firm that it is including my CV in the Proposal for "Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)". I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.



[Signature of Expert or Authorized Representative of the Firm]

Date: 7th October 2018
Day/Month/Year

Full name of authorized representative: **Mr. Chandeshwar Mahato, Managing Director, PEA**



Chief Administrative Officer

STATEMENT OF AVAILABILITY

Kind Attn:	The Project Manager, Project Implementation Unit RUDP, Birgunj Metropolitan City, Parsa Office, Tel- 051-525426 rudp.birganjsubmetro@gmail.com
Project:	Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City (RFP No.: RUDP/CSC/BRJ/No.-01)"
Country:	Nepal

I, the undersigned, hereby declare that I agree to participate in the Project in object confirming my availability to work with the **Joint Venture Building Design Authority (P) Ltd, B.N Consultancy Pvt. Ltd (BN) and Plush Engineers and Architects (P) Ltd. (PEA)** starting the assignment from the commencement date in compliance with the SCC Clause 13.1 of the Contract.

I am medically fit to undertake the above-proposed assignment.

I further declare that I am able and willing to work confirming that no conflict exists between consulting assignments, activities and procurement of goods, works, or non-consulting services in accordance with the ADB guidelines.

Full Name	Mr. Laxman Acharya
Position	K-8; Asset Management Specialist
Signature	
Date	October 7, 2018



Appendix-C

Remuneration Cost Estimates



Chief Administrative Officer

ASIAN DEVELOPMENT BANK
SUMMARY OF EVALUATION SHEET OF INDIVIDUAL FIRMS
FINANCIAL PROPOSAL

Loan No. 3566 NEP, Regional Urban Development Project, PIU, Birganj Metropolitan City, Nepal

CONSULTING SERVICES OF CSC, Birganj

SUMMARY SHEET

Name of the Firm : Building Design Authority (P.) Ltd./B.N.Consultancy Pvt. Ltd./Plush Engineer's and Architects (P.)Ltd.

S.No.	Description	Total Amount in NRs.	Remarks
A.	Competitive Components		
1.00	Key Professional Staff (a)		
	Technical Staff	26,440,000.00	
2.00	OUT-OF-POCKET EXPENSES (b)		
	Per diem	800,000.00	
	Office Operations Costs including Equipment	2,700,000.00	
	Support Staff (Non-Key Staff)	10,500,000.00	
	Adjusted Sub-total (1) without Vat (c)=(a)+(b)	40,440,000.00	
B.	Non Competitive Components		
1	Provisional Sum (d)	11,000,000.00	
2	Contingencies (e)	5166500.00	
	Adjusted Sub-total (2) without Vat (f)=(d)+(e)	16,166,500.00	
	Adjusted Sub-total (3) without Vat (g)=©+(f)	56,606,500.00	
	VAT@13%(h)=0.13*(g)	7,358,845.00	
	Adjusted Total with VAT (i)=(g)+(h)	63,965,345.00	



Office of the Municipal Executive
Parsa District
2 N. Province Nepal
2074
Chief Administrative Officer

Appendix-D

Other Expenses and Provisional Sums



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Chief Administrative Officer
Bhagwati Metropolitan City
Office of the Municipal Executive
Parsa District
2 N. Province Nepal
2074


ASIAN DEVELOPMENT BANK
SUMMARY OF EVALUATION SHEET OF INDIVIDUAL FIRMS
FINANCIAL PROPOSAL
Loan No. 3566 NEP, Regional Urban Development Project, PIU, Birganj Metropolitan City, Nepal
CONSULTING SERVICES OF CSC, Birganj
Name of the Firm : Building Design Authority (P.) Ltd./B.N.Consultancy Pvt. Ltd./Plush Engineers and Architects (P.)Ltd.

APPENDIX- D

Other Expenses, Non- Key Experts, Provisional Sums and Contingency Cost Estimates

S.No.	Experts (National)	Unit	Quantity	Unit Price in NRs. Without VAT	Amount in NRs without VAT	Remarks
A	OUT-OF-POCKET EXPENSES					
	Per diem					
	Per diem (*Fixed Rate)	Night	200.00	3,000.00	600,000.00	
	Domestic air travel	Round Trip	25.00	8,000.00	200,000.00	
			Subtotal		800,000.00	
B	Office Operations Costs including Equipment (*Fixed Rate)					
	1. Office utilities (stationeries, report production *	Man -Months	30	30,000.00	900,000.00	
	2. Communication and courier (telephone, internet etc.) *	Man -Months	30	5,000.00	150,000.00	
	3. Electricity and water supply services (connection+bills, etc.) *	Man -Months	30	5,000.00	150,000.00	
	4. House rent *	Man -Months	30	40,000.00	1,200,000.00	
	5. Fuel 50 Ltr./Month for Vehicle, 20 Ltr./Month for Motorbike *	L.S.		300,000.00	300,000.00	
			Sub-Total		2,700,000.00	




Chief Administrative Officer
 Office of the Municipal Executive
 Birganj Metropolitan City
 2 N. Province District
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No.	Non-Key Staff	Experts (National)	Name of experts	No. of Person Months	Fixed Monthly Rate in NRs without VAT	Total Amount in NRs without VAT	Remarks
1	Office manager/ Accountant-1 person		To be Name	30	40,000.00	1,200,000.00	
2	Office Administrator/ Assistant - 1 person		To be Name	30	30,000.00	900,000.00	
3	Driver -1 person		To be Name	30	25,000.00	750,000.00	
4	Peon 1 person		To be Name	30	20,000.00	600,000.00	
5	Junior Engineer- 4 person		To be Name	120	55,000.00	6,600,000.00	
6	Quantity Surveyor -1 person		To be Name	3	50,000.00	150,000.00	
7	Amin (Surveyor -1person		To be Name	6	50,000.00	300,000.00	
Sub-Total B						10,500,000.00	
D	Provisional Sum						
1.	Office equipment/furniture		L.S.		2,000,000.00	2,000,000.00	
2.	Four Wheeler vehicle (Pick-up double cabne 1 no equivalent 1 No.		L.S.		5,000,000.00	5,000,000.00	
3.	Two Wheelers motorbike 4 Nos.		Nos	4	250,000.00	1,000,000.00	
4.	Training and Seminar (awareness/ capacity Building)		L.S.		1,000,000.00	1,000,000.00	
5.	Insurance /Renewal/ Maintenance of Vehicle		L.S.		500,000.00	500,000.00	
6.	JESI activities		L.S.		500,000.00	500,000.00	
7.	Miscellaneous		L.S.		1,000,000.00	1,000,000.00	
Sub-Total						11,000,000.00	
Grand Total						25,000,000.00	

Note: For Fixed Rate (*) under Appendix -D will be taken as fixed items and no need to furnished any bills or vouchers to claim the expenses.



Office of the Municipal Executive
Bijay Metropolitan City
2. N. Parsa District
2. N. Province Nepal
2074
Chief Administrative Officer

Appendix-E

Form of Advance Payments Guarantee



[Signature]
Chief Administrative Officer

APPENDIX E - FORM OF ADVANCE PAYMENTS GUARANTEE

[See Clause GCC 45.1 (a) and SCC 45.1 (a)]

{Guarantor letterhead or SWIFT identifier code}

Bank Guarantee for Advance Payment

Guarantor: _____ [insert commercial Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ [name and address of Client]

Date: _____ [insert date]

ADVANCE PAYMENT GUARANTEE No.: _____ [insert number]

We have been informed that _____ [name of Consultant or a name of the Joint Venture, same as appears on the signed Contract] (hereinafter called "the Consultant") has entered into Contract No. _____ [reference number of the contract] dated _____ [insert date] with the Beneficiary, for the provision of _____ [brief description of Services] (hereinafter called "the Contract").

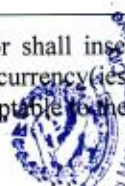
Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum of _____ [insert amount in figures] (_____) [amount in words] is to be made against an advance payment guarantee.

At the request of the Consultant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ [amount in figures] (_____) [amount in words]¹ upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's written statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Consultant is in breach of their obligation under the Contract because the Consultant has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Consultant has failed to repay.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Consultant on their account number _____ at _____ [name and address of bank].

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Consultant as indicated in certified statements or invoices marked as "paid" by the Client which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of the payment certificate or paid invoice indicating that the Consultant has made full repayment of the amount of the advance payment, or on the ___ day

The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Client.



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Chief Administrative Officer

of _____ [month], _____ [year],² whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 revision, ICC Publication No. 758.

[signature(s)]

Note: All italicized text is for indicative purposes only to assist in preparing this form and shall be deleted from the final product.

² Insert the expected expiration date. In the event of an extension of the time for completion of the Contract, the Client would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Client might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Client's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."



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Chief Administrative Officer

Appendix-F

WORKING AND MINING SCHEDULE



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Chief Administrative Officer
Office of the Municipal Executive
Birgunj Metropolitan City
Parsa District
2nd N. Province Nepal
2074

Regional Urban Development Project (RUDP) Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City

FORM TECH-5

Work Schedule & Planning for Deliverables

S. N.	Deliverables & Task Name	Duration	Year 1	Year 2	Year 3
1	Regional Urban Development Project (RUDP) (RFP No. RUPDSC/BRI/No.-01), Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City	124 wks			
1.1	Project Mobilization	3 wks			
1.1.1	Mobilize Project Team Members	0.5 wks			
1.1.2	Collect and Review Design, Drawing, Cost Estimate and other Relevant Documents and Reports and Visit the Sites	1.5 wks			
1.1.3	Identify all Necessary Approvals required and Certificates to be signed	1.5 wks			
1.1.4	Establish the Project Office and Facilities	1 wk			
1.1.5	Review and Coordinate Overall and Detailed Work Program	1 wk			
1.1.6	Establish the Project Organization, & Communication & Coordination Procedures	1 wk			
1.1.7	Establish Document Management System	1 wk			
1.1.8	Develop Project Performance Management (and Tracking) System	1 wk			
1.2	Review of Design, Drawing, Cost Estimate, BoQ, Specification, Carryout Joint Survey and Carry out necessary adjustments, revisions specific to site conditions	4 wks			
1.3	Construction Management Phase and Post Construction Phase	117 wks			
1.3.1	Construction Supervision	117 wks			
1.3.1.1	Regular Monitoring and Supervision of Construction Works throughout the project period as per schedule to achieve the quality of works within the specified time and Supervise and monitor construction of all project components	69.81 wks			
1.3.1.2	Check line level, layout of construction to ensure conformity with the contract	74.81 wks			
1.3.1.3	Assess and enforce of contractors' inputs	74.76 wks			
1.3.1.4	Monitor and enforce safety measures	76.52 wks			
1.3.1.5	Design verification	78.9 wks			
1.3.1.6	Facilitate contractors' payment	74.95 wks			
1.3.1.7	Attend third party inspections, as necessary	74.67 wks			
1.3.1.8	Carry out material inspection	74.76 wks			
1.3.1.9		116.81 wks			
1.3.2	Contract Administration	116.81 wks			
1.3.2.1	As the engineer or employer's representative, supervise	69.38 wks			
1.3.2.1.1	Rehabilitation of existing drainage, road and footpath improvement works	69.38 wks			
1.3.2.1.2	Rehabilitation and extension of the existing drainage, road and footpath improvement works	69.52 wks			
1.3.2.1.3	Support PIU to ensure fair working condition of the labours	70.19 wks			
1.3.2.2	Train the PIU personnel in FIDIC procedures	70.1 wks			
1.3.2.3	Monitor physical and financial progress against the milestones	71.95 wks			
1.3.2.4	Prepare Contract Award and Disbursement Projections	56.86 wks			
1.3.2.5	Train the PIU personnel on, and monitor and enforce, Quality Assurance and Quality Control (QA & QC) System	56.33 wks			
1.3.2.6	Examine contractors' claims for time extension & variations & recommend decisions	58.62 wks			
1.3.2.7	Assist PIU in Contract Management & resolution of contractual issues	59.52 wks			
1.3.2.8	Verify commissioning and performance testing for the Project	16.19 wks			
1.3.3	Social, Environmental, Archaeological, Community Participation, Gender Issues and Information Dissemination	116.05 wks			
1.3.3.1	Monitor compliance of Resettlement Plan	67.19 wks			
1.3.3.2	Monitor compliance of environmental management plan and/or environmental mitigation action plan as reported in EIA/IEE and in accordance with ADB's safeguards policy	68.24 wks			
1.3.3.3	Provide trainings to contractors' staff and PIU personnel on environmental management and monitoring	72.56 wks			
1.3.3.4	Work with NGO for community participation, awareness generation, social inclusion, and implementation of CA and GESI action plan	70.05 wks			
1.3.3.5	Assist PIU and the NGO in disseminating information	58.33 wks			
1.3.3.6	Monitor and supervise works in the archaeologically sensitive areas and provide advice	58.14 wks			
1.3.3.7	Assist PIU in addressing community complaints and grievances	57.95 wks			

Administrative Officer

Ward Office

Project Supervision

Task

PIU, Regional Urban Development Project
Birgunj Metropolitan City
April 2018

Regional Urban Development Project (RUDP) Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City
FORM TECH-5
Work Schedule & Planning for Deliverables

S. N.	Deliverables & Task Name	Duration	Year 1												Year 2												Year							
			-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23		24	25	26	27	28	29	30
1.3.8	Assist PIU in updating EMP and training/ workshops on environmental and GESI aspects	72.1 wks																																
Project Management at Municipal Level																																		
1.4	Prepare a detailed implementation schedule and work plan for all subprojects	123.81 wks																																
1.4.1	Build capacity of the PIU and assist the PIU on the project management	74 wks																																
1.4.2	Support the PIU in communicating with and reporting to various parties	73.39 wks																																
1.4.3	Assist the PIU in conducting regular meetings with all stakeholders, municipalities, contractors and other government entities, etc.	73.81 wks																																
1.4.4	Assist the PIU in financial management and reporting	75.14 wks																																
1.4.5	Assist PIU to Develop and implement procedure for timely payments to the contractors and monitor for compliance	73.62 wks																																
1.4.6	Assist the PIU in establishing Design and Monitoring Framework (DMF), and implementing the PMMS for the project	72.9 wks																																
1.4.7	Assist the PIU in ensuring compliance with all loan covenants during project implementation	76.43 wks																																
1.4.8	Assist the PIU in establishing a grievance redress mechanism for the project acceptable to ADB	73.38 wks																																
1.4.9	Assist the PIU in obtaining the required clearances, permits, approvals, sanctions or any other information from relevant authorities	69.43 wks																																
1.4.10	Assist the PIU in carrying out all inter-utility management coordination during the project implementation	74 wks																																
1.4.11	Assist the PIU in preparing reports for submission to MOUD, PCO, PMSC, ADB and other relevant agencies	70.48 wks																																
1.4.12	Assist the PIU in preparing procurement plans and annual programmes	72 wks																																
1.4.13	Reports and Deliverables	67 wks																																
1.5	Monthly Progress Report	116.76 wks																																
1.5.1	Quarterly Progress Report	116.76 wks																																
1.5.2	Semi-Annual Environmental Monitoring Report	112.95 wks																																
1.5.3	Semi-Annual Safeguard Monitoring Report	75.52 wks																																
1.5.4	Annual Progress Report including Annual Environmental and Social Safeguard Monitoring Report	75.52 wks																																
1.5.5	Draft Final Construction Report	50.71 wks																																
1.5.6	Final Construction Report	0 wks																																
1.5.7		0 wks																																
429																																		
5/28																																		
Post Construction Support: Prepare operation and maintenance procedures and services during contract defect liability period																																		

Post Construction Support: Prepare operation and maintenance procedures and services during contract defect liability period

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Administrative Officer
 Office of the Municipal Executive
 2. N. Province Nepal
 2074

PIU, Regional Urban Development Project
 Birgunj Metropolitan City, Biratnagar
 April 2018

Regional Urban Development Project (RUDP) (RFP No. RUDP/CSC/BRJ/No.-01), Construction Supervision for Birgunj Drainage, Road, Footpath, Road Furniture, By-Pass Road and Bus Bays Works for Birgunj Metropolitan City

FORM TECH - 6

TEAM COMPOSITION, ASSIGNMENT AND KEY EXPERTS' INPUTS

N ^o	Name, Nationality DOB	Position	Expert's input (in person/ month) per each Deliverable (listed in Tech - 5) (Starting Month - Ending Month Commencement Date)							Total time - input (in Month)		
			Construction Supervision Phase (0-30) Month							Home	Field	Total
			D-1	D-2	D-3	D-4	D-5	D-6	D-7			
			Monthly Progress Report	Quarterly Progress Report	Semi-Annual Environmental Monitoring Report	Semi-Annual Safeguard Monitoring Report	Annual Progress Report	Draft Final Construction Report	Final Construction Report			
Non Key Expert												
N-1	To be Named	Office Manager/ Accountant	Home 18	4	2	2	1	2	1	30.00	0.00	30.00
N-2	To be Named	Office Administrator/ Assistant	Home 18	4	2	2	1	2	1	30.00	0.00	30.00
N-3	To be Named	Driver	Home 18	4	2	2	1	2	1	0.00	30.00	30.00
N-4	To be Named	Peon	Home 18	4	2	2	1	2	1	30.00	0.00	30.00
N-5	To be Named	Junior Engineer-1	Home 16.2	3.6	1.8	1.8	0.9	1.8	0.9	3.00	27.00	30.00
	To be Named	Junior Engineer-2	Home 16.2	3.6	1.8	1.8	0.9	1.8	0.9	3.00	27.00	30.00
	To be Named	Junior Engineer-3	Home 16.2	3.6	1.8	1.8	0.9	1.8	0.9	3.00	27.00	30.00
	To be Named	Junior Engineer-4	Home 16.2	3.6	1.8	1.8	0.9	1.8	0.9	3.00	27.00	30.00
N-6	To be Named	Quantity Surveyor	Home 1.62	0.36	0.18	0.18	0.09	0.18	0.09	2.70	0.30	3.00
	To be Named	Quantity Surveyor	Field 0.18	0.04	0.02	0.02	0.01	0.02	0.01	0.00	0.30	0.30
N-7	To be Named	Anin (Surveyor)	Home 3.6	0.8	0.4	0.4	0.2	0.4	0.2	6.00	0.00	6.00
Total										104.70	219.50	324.20
Sub Total										104.70	144.30	249.00

* Home= Birgunj Project Site Office
Field= Project Site



Chief Administrative Officer
Office of the Municipal Executive
Birgunj Metropolitan City
Parsa District
2 N. Province, Nepal
2074

Minutes of Contract Negotiation



6/1



Chief Administrative Officer

Birgunj Metropolitan City
Office of the Municipal Executive
Regional Urban Development Project
Project Implementation Unit
Birgunj, Parsa
2 No. Province, Nepal

MINUTES OF CONTRACT NEGOTIATIONS WITH

Building Design Authority, (P) Ltd., Kamaladi, Kathmandu, Nepal
In Joint Venture with
B.N. Consultancy Pvt. Ltd, and Plush Engineers and Architects (P) Ltd, Nepal
30th October 2018
Quality- and Cost-Based Selection (QCBS)

SUBJECT : **ADB Loan No. 3566 NEP: RUDP, Construction Supervision for Birgunj Drainage, Roads, Footpath, Road Furniture, By-Pass Road and Bus-Bays works for Birgunj Metropolitan City.**

PRESENT: **For the Birgunj Metropolitan City, Office of the Municipal Executive, Regional Urban Development Project**

Dr. Bhishma Kumar Bhusal,	Chief Administrative Officer	Chief Negotiator
Mr. Shailendra Shrestha,	Project Manager	Member
Mr. Birendra Yadav	Legal Advisor	Member
Mr. Nagina Kumar Yadav,	Engineer	Member
Mr. Upendra Sah	Sub- Engineer	Member

For the Consultant

Mr. Chandeshwar Mahato, Managing Director, Plush Engineers and Architects, (P) Ltd., Kamaladi, Kathmandu and Authorized representative of the Consultant

Mr. Laxman Acharya, Managing Director, B.N. Consultancy Pvt. Ltd., Ghantaghar, Kathmandu



[Signature]
Chief Administrative Officer

1. **Opening remarks**

On behalf of Birgunj Metropolitan City, Vijay Kumar Sarawagi, Mayor, welcomed the Consultants and the Government's representatives to the contract negotiations. He then proposed an agenda, which was accepted.

2. **Submission of written authorization**

On behalf of the Consultant, Mr. Chandeshwar Mahato expressed his thanks for being invited to contract negotiations. The Representative submitted an authorization letter to negotiate and sign a contract with Birgunj Metropolitan City on behalf of Building Design Authority, (P) Ltd., Kamaladi, Kathmandu in JV with B.N. Consultancy Pvt. Ltd, and Plus Engineers and Architects (P) Ltd.

3. **Scope of work and terms of reference**

The terms of reference (TOR) were reviewed and agreed that there will be no change in the Scope of work and TOR.

4. **Work program and personnel schedule**

The work program and personnel schedule were reviewed and agreed with the following minor adjustments:

(i) The assignment is based in Birgunj but for the intermittent expert may frequently visit to site as per team leader request.

(ii) It was agreed that the consultant services will start on **15th November 2018** and the assignment will be completed upon submission of the final report, on **30th April 2021**.

(iii) The complete reporting schedule was agreed as follows

(iv) Reporting Schedule of other reports shall be as mentioned in the TOR.

5. **Personnel**

The Consultant confirmed the availability of all proposed experts in the team for their respective assignments in accordance with the staffing schedule.

6. **Counterpart support**

Birgunj Metropolitan City confirmed to provide the followings on a no-cost basis to the consultant's team:



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Chief Administrative Officer

(i) As per the TOR.

(ii) All available report data, map, information (Hard and Soft Copy) etc. for smooth execution of Consultant's services.

All the counterpart support, facilities and information shown above would be provided by the EA in kind and would be free of charge to the Consultant.

7. Equipment

The Consultant will seek approval from the Client before purchasing any equipment from the allocated Provisional Sum.

The Vehicle purchased under PS shall include insurance, renewal as well as other applicable taxes.

All the equipment shall be exclusively used by the Consultant for the entire duration of the assignment and would be handed over to the client upon completion of the assignment.

8. Financial terms

In accordance with Section 25.2 of the *General Conditions of the Contract*, the Consultant will permit the duly authorized representatives of the EA and if so required, ADB, including auditors selected by the EA and ADB, to audit the Consultant's accounts and records relating to the payments made under this Contract. Where an audit identifies that the Consultant, during negotiations or implementation of the project, has misled the EA and/or ADB or contravened the principles stated in ADB's *Guidelines on the Use of Consultants (Guidelines)*, the EA and/or ADB may sanction the Consultant from participating in any future consulting services assignments financed by ADB.

The EA and the Consultant reviewed the Consultant's financial proposal, including the adjustments made by the EA for computation and miscellaneous errors, for currency conversions and to ensure consistency with the Consultant's technical proposal.

In the negotiation meeting held on 30th October 2018, the EA requested the negotiating consultant to consider reduction of cost in the OPE part of their financial proposal.

The Consultant put forward the following justifications for the OPE rates:

- a) Considering coverage for future price escalation, the rate of support and technical staff, which is kept under OPE rates are tending to drastically increase in the recent days and likely to be so in future due to their choices to go abroad for job.
- b) Upon request of EA to consider discount on rates, the consultant did not agree to reduce rate considering most competitiveness of their rates.

Other Financial Matters raised and agreed are:



[Handwritten signature]
 Birgaon Metropolitan City
 Office of the Municipal Executive
 Parsa District
 2 N. Provincial Road
 2074

Administrative Officer

a) In case if STIUEIP work is to be transferred to RUDP Consultant, the consultant agreed to carry such works with required additional expert input/ cost with the mutual agreement of the both parties. It shall be managed by the Variation order to the Consultant.

b) Items under Appendix-D mentions as Fixed Rate will be taken as fixed items and no need to furnished any bills or vouchers to claim the expenses.

9. Anti-corruption

In accordance with the prevailing Government regulations and the established policy in ADB's Anticorruption Policy and ADB's Guidelines, the Government, the Consultant and ADB must observe the highest standards of ethics during the execution of this project. No fees, gratuities, rebates, gifts, commissions or payments other than those shown in the contract are to be given or received in connection with the contract execution.

10. Consultant's contract

The draft contract prepared by the [EA] was reviewed and agreed upon. A signed copy of the contract is attached to these minutes. The EA and the Consultant will execute the contract upon receiving approval by Government authorities concerned by ADB.

11. The Observer

The Observer, (if any) is signing these minutes in his or her capacity as observer to the negotiations only, and is not a party to the contract.

12. Performance evaluation

The method that the EA would use for evaluating the performance of the Consultant was explained and the Consultant agreed to undergo this evaluation.

13. Contract administration

Detailed procedures for processing payments and contract administration are specified in the contract.




[Signature]
Chief Administrative Officer


Signed this 30th day of October 2018

FOR THE
CONSULTANT



Mr. Chandeshwar Mahato
Managing Director, Plush
Consultant's Representative


Mr. Laxman Acharya
Managing Director, BN

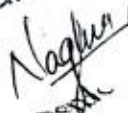
FOR THE
EXECUTING AGENCY


Dr. Bhisma Kumar Bhusal
Chief Administrative Officer,
Chief Negotiator

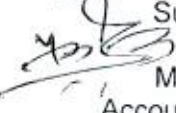



Project Manager

Mr. Shailendra Shrestha
Project Manager, RUDP, PIU


Mr. Nagina Kumar Yadav
Engineer RUDP, PIU


Mr. Upendra Sah
Sub-Engineer RUDP, PIU


Mr. Pramod Kumar Singh
Account/ Administration Assistant,
RUDP, PIU

Endorsed By:

Mr. Vijay Kumar Sarawagi
Mayor,
Birgunj, Metropolitan City



