

**BIDDING DOCUMENT**

**for**

**THE PROCUREMENT OF**

***Construction of Intake, Canal and Canal  
Structures of Goitibang Irrigation Project,  
Triveni R.M.-05, Rolpa***

National Competitive Bidding (NCB)  
**Single-Stage: Two-Envelope Bidding Procedure**

***Water Resources and Irrigation Development Division,  
Rolpa***

**Issued on:** April 25, 2025 (Baisakh 12, 2082)

**Issued to:** All eligible bidders

**Invitation for Bids No.:** WRIDDOROLPA/WORKS/NCB-05/2081-82

**NCB No.:** WRIDDOROLPA/WORKS/NCB-05/2081-82

**Contract Identification No.:** WRIDDOROLPA/WORKS/NCB-05/2081-82



## Abbreviations

BD	.....	Bidding Document
BDF	.....	Bidding Forms
BDS	.....	Bid Data Sheet
BOQ	.....	Bill of Quantities
COF	.....	Contract Forms
DP	.....	Development Partners
DoLI	.....	Department of Local Infrastructure
ELI	.....	Eligibility
EQC	.....	Evaluation and Qualification Criteria
EXP	.....	Experience
FIN	.....	Financial
GCC	.....	General Conditions of Contract
GoN <sup>1</sup>	.....	Government of Nepal
ICC	.....	International Chamber of Commerce
IFB	.....	Invitation for Bids
ITB	.....	Instructions to Bidders
JV	.....	Joint Venture
LIT	.....	Litigation
NCB	.....	National Competitive Bidding
PAN	.....	Permanent Account Number
PPA	.....	Public Procurement Act
PPMO	.....	Public Procurement Monitoring Office
PPR	.....	Public Procurement Regulations
PL	.....	Profit & Loss
SBD	.....	Standard Bidding Document
SCC	.....	Special Conditions of Contract
TS	.....	Technical Specifications
VAT	.....	Value Added Tax
WRQ	.....	Works Requirements

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<sup>1</sup> “GoN” word indicates all public entities according to Public Procurement Act, 2063

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# Invitation for Bids

**Lumbini Province Government**

**Ministry of Energy, Water Resources and Irrigation**

**Water Resources and Irrigation Development Division, Rolpa**

Invitation for Bids No: WRIDDOROLPA/WORKS/NCB-05/2081-82

Date of publication: April 25, 2025 (Baisakh 12, 2082)

1. **The Lumbini Province Government has allocated funds from Lumbini Province Government** towards the cost of **Goitibang Irrigation Project, Triveni R.M.-05, Rolpa** and intends to apply part of the funds to cover eligible payments under the **Contract No. WRIDDOROLPA/WORKS/NCB-05/2081-82**. Bidding is open to all eligible as per Section V of bidding document.
2. **Water Resources and Irrigation Development Division, Rolpa** invites sealed bids or electronic bids from eligible bidders for the construction of **Construction of Intake, Canal and Canal Structures of Goitibang Irrigation Project, Triveni R.M.-05, Rolpa**; under National Competitive Bidding – Single Stage Two Envelope Bidding procedures.

Only eligible bidders with the following key qualifications should participate in this bidding:

- Minimum Average Annual Construction Turnover of the best 3 years within the last 10 years: **NRs 3,96,00,000.00**
  - Minimum Work experience of similar size and nature: At least One (1) Contract within the last ten (10) years, with a value of at least NRs **NRs 1,32,00,000.00**
3. Under the Single Stage, Two Envelope Procedure, Bidders are required to submit simultaneously two separate sealed envelopes, one containing (i) the Technical Bid and the other (ii) the Price Bid, both in turn enclosed in one sealed envelope as per the provision of ITB 21 of the Bidding Document.
  4. Eligible Bidders may obtain further information and inspect the Bidding Documents at the office of **Water Resources and Irrigation Development Division, Libang, Rolpa, Tel: +977-9857877020, e-mail: widd.rolpa@gmail.com** or may visit PPMO e-GP system [www.bolpatra.gov.np/egp](http://www.bolpatra.gov.np/egp).
  5. Bidder who chooses to submit their bid electronically may purchase the hard copy of the bidding documents as mentioned above or may download the bidding documents for e-submission from PPMO's e-GP system [www.bolpatra.gov.np/egp](http://www.bolpatra.gov.np/egp). Bidders, submitting their bid electronically, should deposit the cost of bidding document Rs. 5000 in the Project's Rajaswa (revenue) account as specified below .

## Information to deposit the cost of bidding document in Bank:

Name of the Bank: Nepal Bank Limited, Liwang, Rolpa

Name of Office: Water Resources & Irrigation Development Division Office, Rolpa

Name of account: Pradesh rajaswo khata

Office Code no. : 3080054015

Account Number: 27402000001001000001

Rajaswa (revenue) Shirshak no.: 14229

6. Pre-bid meeting shall be held at *Water Resources and Irrigation Development Division, Libang, Rolpa* at **May 16, 2025 (Jestha 02, 2082), 11:00 AM**.
7. Electronic bids must be submitted to the office through PPMO's e-GP system [www.bolpatra.gov.np/egpon](http://www.bolpatra.gov.np/egpon) or before **May 25, 2025 (Jestha 11, 2082) at 12:00 noon**. Bids received after this deadline will be rejected.
8. The bids will be opened in the presence of Bidders' representatives who choose to attend at **May 25, 2025 (Jestha 11, 2082) at 1:00 PM** at the office of *Water Resources and Irrigation Development Division, Libang, Rolpa*. Bids must be valid for a period of **90 days** after bid opening and must be accompanied by a bid security or scanned copy of the bid security in pdf format in case of e-bid, amounting to a minimum of **NRs. 8,50,000.00**, which shall be valid for 30 days beyond the validity period of the bid (*i.e September 22, 2025*)
9. If the last date of purchasing and /or submission falls on a government holiday, then the next working day shall be considered as the last date. In such case the validity period of the bid and bid security shall remain the same as specified for the original last date of bid submission.



# **Part I: BIDDING PROCEDURES**

# **Section I: Instructions to Bidders**

This section specifies the procedures to be followed by Bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of contract.

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## Section I: Instructions to Bidders

A. General	
1. Scope of Bid	<p>1.1 In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS), the Employer, as indicated in the BDS, issues this Bidding Document for the procurement of Works as specified in Section VI (Works Requirements). The <b><i>name, identification, and number</i></b> of lots (contracts) of the National Competitive Bidding (NCB) are <b>provided in the BDS</b>.</p> <p>1.2 Throughout this Bidding Document:</p> <ul style="list-style-type: none"> <li>(a) the term “in writing” means communicated in written form and delivered against receipt;</li> <li>(b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and</li> <li>(c) “day” means calendar day.</li> </ul>
2. Source of Funds	<p>2.1 GoN Funded: In accordance with its annual program and budget, approved by the GoN, the implementing agency <b>indicated in the BDS</b> plans to apply a portion of the allocated budget to eligible payments under the contract(s) for which this Bidding Document is issued.</p> <p>Or</p> <p>Public Entities' own Resource Funded: In accordance with its annual program and budget, approved by the public entity, the implementing agency <b>indicated in the BDS</b> plans to apply a portion of the allocated budget to eligible payments under the contract(s) for which this Bidding Document is issued.</p> <p>Or</p> <p>DP Funded: The GoN has applied for or received financing (hereinafter called “funds”) from the Development Partner (hereinafter called “the DP”) <b>indicated in the BDS</b> toward the cost of the project named in the BDS. The GoN intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued.</p> <p>2.2 DP Funded: Payment by the DP will be made only at the request of the GoN and upon approval by the DP in accordance with the terms and conditions of the financing agreement between the GoN and the DP (hereinafter called the “Loan/Grant Agreement”), and will be subject in all respects to the terms and conditions of that Loan/Grant Agreement. No party other than the GoN shall derive any rights from the Loan Agreement or have any claim to the funds.</p>
3. Fraud and Corruption	<p>3.1 Procuring Entities as well as Bidders, suppliers and contractors and their sub-contractors shall adhere to the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this;;</p> <p>(a) the Employer adopts, for the purposes of this provision, the terms as</p>



defined below:

- (i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- (ii) “fraudulent practice” means any act 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) “coercive practice” means 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) “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
- v) “obstructive practice” means (a) deliberately destroying, falsifying, altering, or concealing of evidence material to an investigation; (b) making false statements to investigators in order to materially impede an investigation; (c) failing to comply with requests to provide information, documents, or records in connection with an investigation; (d) 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 (e) materially impeding GoN/DP’s contractual rights of audit or access to information; and
- vi) “integrity violation” is any act which violates Anticorruption Policy, including (i) to (v) above and the following: abuse, conflict of interest, violations of GoN/DP sanctions, retaliation against whistleblowers or witnesses, and other violations of Anticorruption Policy, including failure to adhere to the highest ethical standard.

(b) the Employer will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations in competing for the contract;

(c) DP will cancel the portion of the financing allocated to a contract if it determines at any time that representative(s) of the GoN/or of a beneficiary of DP-financing engaged in corrupt, fraudulent, collusive, or coercive practices or other integrity violations during the procurement or the execution of that contract, without the GoN having taken timely and appropriate action satisfactory to DP to remedy the situation.

(d) DP will impose remedial actions on a firm or an individual, at any time, in accordance with DP’s Anticorruption Policy and related Guidelines (as amended from time to time), including declaring ineligible, either indefinitely or for a stated period of time, to participate in DP-financed, -administered, or

	<p>-supported activities or to benefit from an DP-financed, -administered, or -supported contract, financially or otherwise, if it at any time determines that the firm or individual has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices or other integrity violations; and</p> <p>(e) The Contractor shall permit the GoN/DP to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the GoN /DP, if so required by the GoN/DP.</p>
	<p>3.2 The Bidder shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the procurement agreement :</p> <p>(a) give or propose improper inducement directly or indirectly,</p> <p>(b) distortion or misrepresentation of facts,</p> <p>(c) engaging in corrupt or fraudulent practice or involving in such act,</p> <p>(d) interference in participation of other competing bidders,</p> <p>(e) coercion or threatening directly or indirectly to cause harm to the person or the property of any person to be involved in the procurement proceedings,</p> <p>(f) collusive practice among bidders before or after submission of bids for distribution of works among bidders or fixing artificial/uncompetitive bid price with an intention to deprive the Employer the benefit of open competitive bid price,</p> <p>(g) Contacting the Employer with an intention to influence the Employer with regards to the bids or interference of any kind in examination and evaluation of the bids during the period from the time of opening of the bids until the notification of award of contract.</p>
	<p>3.3 PPMO, on the recommendation of the Procuring Entity may blacklist a Bidder for a period of one (1) to three (3) years for its conduct including on the following grounds and seriousness of the act committed by the bidder:</p> <p>(a) if convicted by a court of law in a criminal offence which disqualifies the Bidder from participating in the contract,</p> <p>(b) if it is established that the contract agreement signed by the Bidder was based on false or misrepresentation of Bidder's qualification information,</p> <p>(c)if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for, or in executing, a GoN/DP-financed contract.</p> <p>(d) if the Successful Bidder fails to sign the Contract.</p> <p>(e) if the bidder fails to inform about the saturation of maximum number of contracts as per ITB 4.10.</p>



	<p>3.4 A bidder declared blacklisted and ineligible by the GoN, Public Procurement Monitoring Office (PPMO) and/or the DP in case of DP funded project, may be ineligible to bid for a contract during the period of time determined by the GoN, PPMO and/or the DP.</p> <p>3.5 In case of a natural person or firm/institution/company which is already declared blacklisted and ineligible by the GoN, any other new or existing firm/institution/company owned partially or fully by such Natural person or Owner or Board of director of blacklisted firm/institution/company; shall not be eligible bidder.</p> <p>3.6 Furthermore, Bidders shall be aware of the provisions of GCC (GCC 28.3 and 72.3(j)).</p>
<p>4. Eligible Bidders</p>	<p>4.1 A Bidder may be a natural person, private entity, or government owned entity subject to ITB 4.5 or any combination of them in the form of a Joint Venture (JV) under an existing agreement, or with the intent to constitute a legally-enforceable joint venture. In the case of a JV:</p> <ul style="list-style-type: none"> <li>(a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. Maximum number of JV shall be as <b>specified in the BDS</b> and</li> <li>(b) the JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during Contract execution.</li> </ul> <p>4.2 A Bidder, and all parties constituting the Bidder, shall have the nationality of an eligible country, in accordance with Section V (Eligible Countries). A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, or incorporated, and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed sub-contractors or suppliers for any part of the Contract including related services.</p> <p>4.3 A Bidder shall not have a conflict of interest. A Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process, if any of, including but not limited to, the following apply:</p> <ul style="list-style-type: none"> <li>(a) they have controlling shareholders in common; or</li> <li>(b) they receive or have received any direct or indirect subsidy from any of them; or</li> <li>(c) they have the same legal representative for purposes of this bid; or</li> <li>(d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to material information about or improperly influence the Bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or</li> <li>(e) a Bidder participates in more than one bid in this bidding process either</li> </ul>

	<p>individually or as a partner in a joint venture. This will result in the disqualification of all Bids in which it is involved. However, subject to any finding of a conflict of interest in terms of ITB 4.3 (a)-(d) above, this does not limit the participation of the same subcontractor in more than one bid; or</p> <p>(f) a Bidder or any of its affiliated entity, participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the Bid; or</p> <p>(g) a Bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the Employer as Engineer for the Contract.</p> <p>(h) a Bidder that has a close business or family relationship with a professional staff of the Procuring Entity.</p>
	<p>4.4 A firm that is under a declaration of ineligibility by the GoN in accordance with ITB 3, at the date of the deadline for bid submission or thereafter, shall be disqualified. A firm shall not be eligible to participate in any procurement activities under an DP-financed, -administered, or -supported project while under temporary suspension or debarment by DP pursuant to the DP's Anticorruption Policy (see ITB 3), whether such debarment was directly imposed by the DP, or enforced by other DPs pursuant to the Agreement for Mutual Enforcement of Debarment Decisions. A bid from a temporary suspended or debarred firm will be rejected.</p>
	<p>4.5 Enterprises owned by Government shall be eligible only if they can establish that they are legally and financially autonomous and operate under commercial law, and that they are not a dependent agency of the GoN.</p>
	<p>4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.</p>
	<p>4.7 Firms shall be excluded in any of the cases, if</p> <p>(a) 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, Nepal prohibits any import of goods or Contracting of works or services from that country or any payments to persons or entities in that country. Where Nepal prohibits payments to a particular firm or for particular goods by such an act of compliance, that firm may be excluded;</p> <p>(b) DP Funded: as a matter of law or official regulation, Nepal prohibits commercial relations with that country, provided that the DP is satisfied that such exclusion does not preclude effective competition for the supply of goods or related services required;</p> <p>(c) DP Funded: a firm sanctioned or temporarily suspended by the DP in relation to their guidelines or appropriate provisions on preventing and combating fraud and corruption in projects financed by them.</p>
	<p>4.8 In case a prequalification process has been conducted prior to the bidding process, this bidding is open only to prequalified Bidders.</p>
	<p>4.9 Maximum number of running contracts that a Bidder, and all parties constituting the Bidder can have shall be as specified in BDS. The bidders shall be considered</p>



	ineligible if number of running contracts exceeds the number as specified.
	4.10 For the purpose of ITB 4.9 above, the bidder shall declare that the bidder, and all parties constituting the Bidder have not running contracts more than the number as specified in BDS. If the bidder, and all parties constituting the Bidder has participated in bidding processes of many public entities and during that period the maximum number of contracts as specified saturates due to issuance of letters of acceptance by a particular public entity, the bidder shall inform in written to all other concerned public entities, where the bidder have participated in bidding process, within three days of issuance of last letter of acceptance that saturates the maximum number of contracts as specified.
5. Eligible Materials, Equipment and Services	<p>5.1 The materials, equipment and services to be supplied under the Contract shall have their origin in any source countries as defined in accordance with Section V (Eligible Countries) and all expenditures under the Contract will be limited to such materials, equipment, and services. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.</p> <p>5.2 For purposes of ITB 5.1 above, "origin" means the place where the materials and equipment are mined, grown, produced or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing, or substantial or major assembling of components, a commercially recognized product results that differs substantially in its basic characteristics or in purpose or utility from its components.</p>
<b>B. Contents of Bidding Documents</b>	
6. Sections of Bidding Document	<p>6.1 The Bidding Document consist of Parts I, II, and III, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.</p> <p><b>PART I Bidding Procedures</b></p> <p>Section I Instructions to Bidders (ITB)</p> <p>Section II Bid Data Sheet (BDS)</p> <p>Section III Evaluation and Qualification Criteria (EQC)</p> <p>Section IV Bidding Forms (BDF)</p> <p>Section V Eligible Countries</p> <p><b>PART II Requirements</b></p> <p>Section VI Works Requirements (WRQ)</p> <p>Section VII Bill of Quantities (BOQ)</p> <p><b>PART III Conditions of Contract and Contract Forms</b></p> <p>Section VIII General Conditions of Contract (GCC)</p> <p>Section IX Special Conditions of Contract (SCC)</p> <p>Section X Contract Forms (COF)</p> <p>6.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document.</p> <p>6.3 The Employer is not responsible for the completeness of the Bidding</p>

	Document and their Addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.
	6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document and to furnish with its bid all information and documentation as is required by the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the bid.
7. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting	7.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address <b>indicated in BDS</b> or raise any question or curiosity during the pre-bid meeting if provided for in accordance with ITB 7.4. The Employer will respond in writing to any request for clarification, provided that such request is received within the period as mentioned in ITB 7.5. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so following the procedure under ITB 8 and ITB 22.2.
	7.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself, on its own risk and responsibility, all information that may be necessary for preparing the bid and entering into a Contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
	7.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
	7.4 The Bidder's designated representative is invited to attend a pre-bid meeting, if <b>provided for in the BDS</b> . The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
	7.5 The Bidder is requested, to submit any questions in writing, to reach the Employer as <b>mentioned in BDS</b> .
	7.6 Minutes of the pre-bid meeting, including the text of the questions raised, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Document in accordance with ITB 6.3. Any modification to the Bidding Document that may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITB 8 and not through the minutes of the pre-bid meeting.
	7.7 Nonattendance at the pre-bid meeting will not be a cause for disqualification of



	a Bidder.
8. Amendment of Bidding Document	8.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing agenda.
	8.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 6.3.
	8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may, at its discretion, extend the deadline for the submission of Bids, pursuant to ITB 22.2. However, the time available to submit bids shall not be less than five (5) days since amendment in bidding document.
<b>C. Preparation of Bids</b>	
9. Cost of Bidding	9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
10. Language of Bid	10.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in the language <b>specified in the BDS</b> . Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language <b>specified in the BDS</b> , in which case, for purposes of interpretation of the Bid, such translation shall govern.
11. Documents Comprising the Bid	11.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid containing the documents listed in ITB 11.2 and the other the Price Bid containing the documents listed in ITB 11.3, both envelopes enclosed together in an outer single envelope.
	<p>11.2 The Technical Bid shall comprise the following:</p> <ul style="list-style-type: none"> <li>(a) Letter of Technical Bid;</li> <li>(b) Bid Security in accordance with ITB 19;</li> <li>(c) alternative Technical Bid, at Bidder's option and if permissible, in accordance with ITB 13;</li> <li>(d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2;</li> <li>(e) documentary evidence in accordance with ITB 17, establishing the Bidder's qualifications to perform the contract;</li> <li>(f) Technical Proposal in accordance with ITB 16;</li> <li>(g) Bids submitted by a Joint Venture shall include a copy of the Joint</li> </ul>



	<p>Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful Bid shall be signed by all partners and submitted with the Bid, together with a copy of the proposed agreement. The Joint Venture agreement, or letter of intent to enter into a Joint Venture including a draft agreement shall indicate at least the parts of the Works to be executed by the respective partners; and</p> <p>(h) Any other required documents, which is not against the provision of Procurement Act/Regulation/Directives and Standard Bidding Document issued by PPMO as specified in the <b>BDS</b>.</p> <p>11.3 The Price Bid shall comprise the following:</p> <p>(a) Letter of Price Bid;</p> <p>(b) completed Bill of Quantities(BoQ), in accordance with ITB 12 and ITB 14, or as stipulated in the BDS;</p> <p>(c) alternative price Bids, at Bidder's option and if permissible, in accordance with ITB 13;</p> <p>(d) Any other document required in the <b>BDS</b>.</p> <p>11.4 The Bidder is solely responsible for the authenticity of the submitted documents.</p> <p>11.5 The Technical Bid shall not include any financial information related to the Price Bid. A Technical Bid containing such material financial information shall be declared non-responsive.</p>
12. Letter of Bid and Schedules	<p>12.1 The Letters of Technical Bid and Price Bid, Schedules, and all documents listed under ITB 11, shall be prepared using the relevant forms in Section IV (Bidding Forms) and in Section VII (Bill of Quantities). The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.</p>
13. Alternative Bids	<p>13.1 Unless otherwise <b>specified in the BDS</b>, alternative bids shall not be considered.</p> <p>13.2 When alternative times for completion are explicitly invited, a statement to that effect will be <b>included in the BDS</b>, as will the method of evaluating different times for completion.</p> <p>13.3 When specified in the BDS pursuant to ITB 13.1, and subject to ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Document must first price the Employer's design as described in the Bidding Document and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.</p> <p>13.4 When <b>specified in the BDS</b>, Bidders are permitted to submit alternative technical solutions for specified parts of the Works. Such parts will be <b>identified in the BDS</b> and described in Section VI (Works Requirements). The method for their evaluation will be stipulated in Section III (Evaluation and Qualification Criteria).</p>



14. Bid Prices and Discounts	14.1 The prices and discounts quoted by the Bidder in the Letter of Price Bid and in the Schedules shall conform to the requirements specified below.
	14.2 The Bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section VII (Bill of Quantities). In case of Unit Rate Contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
	14.3 The price to be quoted in the Letter of Price Bid shall be the total price of the Bid, excluding any discounts offered. Absence of the total price in the Letter of Price Bid or the Bid Price in the Bill of Quantities shall result in rejection of the Bid.
	14.4 The Bidder shall quote any discounts and the methodology for their application in the Letter of Price Bid, in accordance with ITB 12.1.
	14.5 If so indicated in ITB 1.1 and ITB 35.4, bids are invited for individual Contracts or for any combination of Contracts (packages). Bidders wishing to offer any price reduction for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts shall be submitted in accordance with ITB 14.4, provided the Bids for all Contracts are submitted and opened at the same time.
	14.6 Unless otherwise <b>provided in the BDS</b> and the Conditions of Contract, the prices quoted by the Bidder shall be fixed. If the prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Table of Adjustment Data in Section IV (Bidding Forms) and the Employer may require the Bidder to justify its proposed indices and weightings.
	14.7 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 30 days prior to the deadline for submission of bids, shall be included in the rates and prices and the total bid price submitted by the Bidder.
15. Currency of Bid and Payment	15.1 The currency of the bid and payment shall be in Nepalese Rupees.
16. Documents Comprising the Technical Proposal	16.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV (Bidding Forms), in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.

17. Documents Establishing the Qualifications of the Bidder	17.1 To establish its qualifications to perform the Contract in accordance with Section III (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding information sheets included in Section IV (Bidding Forms).
18. Period of Validity of Bids	18.1 Bids shall remain valid for the period <b>specified in the BDS</b> after the bid submission deadline date prescribed by the Employer. If the prescribed bid submission deadline date falls on a government holiday, then the next working day shall be considered as the bid submission deadline date. In such case the validity period of the bids shall be considered from the original bid submission deadline date. A bid valid for a shorter period shall be rejected by the Employer as nonresponsive.
	18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Employer may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a bid security is requested in accordance with ITB 19, it shall also be extended 30 days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request shall not be required or permitted to modify its Bid and to include any additional conditions against the provisions specified in Bid Documents.
19. Bid Security	19.1 The Bidder shall furnish as part of its bid, in original form, a bid security as <b>specified in the BDS</b> . In case of e-submission of bid, the Bidder shall upload scanned copy of Bid security letter at the time of electronic submission of the bid. The Bidder accepts that the scanned copy of the Bid security shall, for all purposes, be equal to the original. The details of original Bid Security and the scanned copy submitted with e-bid should be the same otherwise the bid shall be non-responsive.
	19.2 The bid security shall be, at the Bidder's option, in any of the following forms:  <div style="margin-left: 40px;"> (a) an unconditional bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law or;   (b) a cash deposit voucher in the Employer's Account as <b>specified in BDS</b>. </div> In the case of a bank guarantee, the bid security shall be submitted either using the Bid Security Form included in Section IV (Bidding Forms) or in another Form acceptable to the employer. The form must include the complete name of the Bidder. The bid security shall be valid for minimum thirty (30) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 18.2.
	19.3 The bid security issued by any foreign Bank outside Nepal must be counter guaranteed by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.
	19.4 Any bid not accompanied by an enforceable and substantially compliant bid security shall be rejected by the Employer as nonresponsive. In case of e-Submission, if the scanned copy of an acceptable Bid Security letter is not uploaded with the electronic Bid then Bid shall be rejected.



	<p>19.5 The bid security of unsuccessful Bidders shall be returned within three days, once the successful Bidder's furnishing of the required performance security and signing of the Contract Agreement pursuant to ITB 40.1 and 41.1</p> <p>19.6 The bid security shall be forfeited if:</p> <p>GoN funded :</p> <p>(a) a Bidder requests for withdrawal or modification of its bid, except as provided in ITB 18.2:</p> <ul style="list-style-type: none"> <li>(i) during the period of bid validity specified by the Bidder on the Letter of Technical Bid and Price Bid, in case of electronic submission;</li> <li>(ii) from the period twenty-four hours prior to bid submission deadline up to the period of bid validity specified by the Bidder on the Letter of Technical Bid and Price Bid, in case of hard copy submission.</li> </ul> <p>(b) a Bidder changes the prices or substance of the bid while providing information pursuant to clause 27.1;</p> <p>(c) a Bidder involves in fraud and corruption pursuant to clause 3.1;</p> <p>(d) the successful Bidder fails to:</p> <ul style="list-style-type: none"> <li>(i) furnish a performance security in accordance with ITB 40.1;</li> <li>(ii) sign the Contract in accordance with ITB 41.1; or</li> <li>(iii) accept the correction of arithmetical errors pursuant to clause 33.1</li> </ul> <p>DP funded:</p> <p>The bid security shall be forfeited</p> <ul style="list-style-type: none"> <li>(a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letters of Technical Bid and Price Bid, except as provided in ITB 18.2; or</li> <li>(b) if the successful Bidder fails to <ul style="list-style-type: none"> <li>(i) furnish a performance security in accordance with ITB 40.1; or</li> <li>(ii) sign the Contract in accordance with ITB 41.1;</li> <li>(iii) accept arithmetical corrections in accordance with ITB 33.1;</li> </ul> </li> </ul> <p>19.7 The Bid Security of a Joint Venture shall be in the name of the Joint Venture that submits the bid. If the Joint Venture has not been legally constituted at the time of bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent mentioned in ITB 4.1.</p>
<p>20. Format and Signing of Bid</p>	<p>20.1 The Bidder shall prepare one original set of the Technical Bid and one original of the Price Bid comprising the Bid as described in ITB 11 and clearly mark it <b>"ORIGINAL – TECHNICAL BID"</b> and <b>"ORIGINAL – PRICE BID."</b> Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked <b>"ALTERNATIVE"</b>. In addition, the Bidder shall submit copies of the bid in the number specified in the BDS, and clearly mark each of them <b>"COPY."</b> In the event of any discrepancy between the original and the copies, the original shall</p>

	<p>prevail.</p> <p>In case of e-submission of bid, the Bidder shall submit his bid electronically in PDF or web forms files as specified in ITB Clause 21.1(b).</p> <p>20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as <b>specified in the BDS</b> and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid, except for un amended printed literature, shall be signed or initialed by the person signing the bid.</p> <p>20.3 Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.</p>
<p style="text-align: center;"><b>D. Submission and Opening of Bids</b></p>	
<p>21. Sealing and Marking of Bids</p>	<p>21.1 Unless otherwise <b>specified in BDS</b>, Bidders shall submit their bids by electronic or by mail/by hand/by courier. Procedures for submission, sealing and marking are as follows:</p> <p>(a) Bidders submitting bids by mail, by hand or by courier</p> <p>shall enclose the original of the Technical Bid, and the original of the Price Bid and each copy of the Technical Bid and Price Bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as <b>“ORIGINAL TECHNICAL BID”, “ORIGINAL – PRICE BID”, “ALTERNATIVE” and “COPY No. – TECHNICAL BID” and “COPY NO. PRICE BID”</b> These envelopes containing the original and the copies shall then be enclosed in one single envelope.</p> <p>(b) Bidders submitting Bids electronically shall follow the electronic bid submission procedure specified in this clause.</p> <ol style="list-style-type: none"> <li>i. The bidder is required to register in the e-GP system <a href="https://www.bolpatra.gov.np/egp">https://www.bolpatra.gov.np/egp</a> following the procedure specified in e-GP guideline.</li> <li>ii. Interested bidders may either purchase the bidding document from the Employer's office as specified in the Invitation for Bid (IFB) or bidders may download the IFB and bidding document from e-GP system.</li> <li>iii. The registered bidders need to maintain their profile data required during preparation of bids.</li> <li>iv. In order to submit their bids the cost of the bidding document can be deposited as specified in IFB. In addition, electronic scanned copy (.pdf format) of the bank deposit voucher/cash receipt should also be submitted along with the technical bid.</li> <li>v. The bidder can prepare their technical and price bids using data and documents maintained in bidder's profile and forms/format provided in bidding document by Employer. The bidder may submit bids as a single entity or as a joint venture. The bidder</li> </ol>



submitting bid in joint venture shall have to upload joint venture agreement along with partner(s) Bolpatra ID provided during bidder's registration.

vi. Bidders (all partners in case of JV) should update their profile data and documents required during preparation and submission of their technical bids.

vii. In case of bid submission in JV, the consent of the partners shall be obtained through the confirmation link sent to the registered email address and the partners shall have to acknowledge their confirmation.

**The required forms and documents shall be part of technical bids.**

No.	Document	Requirement	Remarks
1.	Letter of Technical Bid	Mandatory	PDF
2.	Bid Security/Bank Guarantee	Mandatory	PDF
3.	Company registration Certificate	Mandatory	PDF
4.	VAT registration Certificate	Mandatory (for domestic bidders only)	PDF
5.	Business Registration Certificate	Mandatory	PDF
6.	Tax Clearance Certificate/Tax return submission evidence for FY 2080/81	Mandatory (for domestic bidders only)	PDF
7.	Power of Attorney of Bid signatory	Mandatory	PDF
8.	Bank Voucher for cost of bid document	Mandatory	PDF
9.	Joint venture agreement	Mandatory in case of JV Bids Only	PDF
10.	Qualification Documents	Mandatory	Using profile data(financial details, contract details etc.) and Technical Proposal
11.	Additional documents] specified in ITB 11.2 (h)	Mandatory (If any)	PDF

**The required forms and documents shall be part of price bids.**

No.	Document	Requirement	Remarks
1.	Letter of Price Bid	Mandatory	PDF
2.	Completed Bill of Quantities (BoQ)	Mandatory	Online Forms
3.	Price Adjustment Table	Mandatory (If applicable)	Online Forms
4.	Additional Documents specified in ITB 11.3 (d)	Mandatory (If any)	PDF

Note:

- a) The documents specified as “Mandatory” should be included in e-submission and non-submission of the documents shall be considered as non-responsive bid.*
- b) Bidders (all partners in case of JV) should verify/update their profile documents as appropriate for the specific bid before submitting their bid electronically.*

- viii. After providing all the details and documents, two separate bid response documents i.e technical bids and price bids will be generated from the system. Bidders are advised to download and verify the response documents prior to bid submission.
- ix. For verifying the authentic user, the system will send one time password (OTP) in the registered e-mail address of the bidder. System will validate the OTP and allow bidder to submit their bid.
- x. Electronically submitted bids can be modified and/or withdrawn through system. The bidder may modify their bids multiple times online within bid submission date and time specified in e-GP system. Once a Bid is withdrawn, bidder won't be able to submit another bid response for the same bid.
- xi. The Bidder / Bid shall meet the following requirements and conditions for e-submission of bids;
  - aa) The e-submitted bids must be readable through PDF reader.
  - bb) The facility for submission of bid electronically through e-submission is to promote transparency, non-discrimination, equality of access, and open competition in the bidding process. The Bidders are fully responsible to use the e- submission facility properly in e-GP system as per specified procedures and in no case the Employer shall be held liable for Bidder's inability to use this facility.
  - cc) When a bidder submits electronic bid through the PPMO e-GP portal, it is assumed that the bidder has prepared the bid by studying and examining the complete set of the Bidding documents including specifications, drawings and conditions of contract.

21.2. The inner and outer envelopes shall:

- (aa) bear the name and address of the Bidder;
- (bb) be addressed to the Employer as provided in BDS 22.1;
- (cc) bear the specific identification of this bidding process indicated in BDS 1.1; and

21.3 The outer envelope and the inner envelope containing Technical Proposal shall bear a warning not to open before the time and date for the opening of Technical Bid in accordance with ITB 25.1.

21.4 The inner envelope containing the Price Bid shall bear a warning not to open until advised by the Employer in accordance with ITB 25.7

21.5 If all envelopes are not sealed and marked as required, the Employer will



	assume no responsibility for the misplacement or premature opening of the bid.
22. Deadline for Submission of Bids	<p>22.1 Bids must be received by the Employer at the address and no later than the date and time indicated <b>in the BDS</b>.</p> <p>In case of e-submission, the standard time for e-submission is Nepal Standard Time as set out in the server. The e-procurement system will accept the e-submission of bid from the date of publishing of notice and will automatically not allow the e-submission of bid after the deadline for submission of bid.</p>
	<p>22.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.</p>
23. Late Bids	<p>23.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.</p>
24. Withdrawal, and Modification of Bids	<p>24.1 A Bidder may withdraw, or modify its bid- Technical or Price - after it has been submitted either in hard copy or by e-submission. Once a Bid is withdrawn, bidder shall not be able to submit another bid for this bidding process. Procedures for withdrawal or modification of submitted bids are as follows:</p> <p>(i) Bids submitted in Hard Copy</p> <p>GoN Funded:</p> <p>a) Bidders may withdraw or modify its bids by sending a written notice in a sealed envelope, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2. The corresponding modification of the bid must accompany the respective written notice. All notices must be:</p> <p>(aa) prepared and submitted in accordance with ITB 20 and ITB 21, and in addition, the respective envelopes shall be clearly marked <b>“WITHDRAWAL”, “MODIFICATION;”</b> and</p> <p>(bb) received by the Employer twenty four hour prior to the deadline prescribed for submission of bids, in accordance with ITB 22.</p> <p>DP Funded:</p> <p>A Bidder may withdraw or modify its Bid – Technical or Price – after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 20.2, (except that withdrawal notices do not require copies). The corresponding modification of the Bid must accompany the respective written notice. All notices must be</p> <p>i) prepared and submitted in accordance with ITB 20 and ITB 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked <b>“WITHDRAWAL,”</b> and <b>“MODIFICATION;”</b> and</p> <p>ii) received by the Employer prior to the deadline prescribed for submission of Bids, in accordance with ITB 22.</p>



	<p>ii) E-submitted bids.</p> <p>a) Bidder may submit modification or withdrawal prior to the deadline prescribed for submission of bids through e-GP system by using the forms and instructions provided by the system.</p>
	<p>24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall not be opened. In case of hard copy submission, the Bid will be returned unopened to the Bidders.</p>
	<p>24.3 The following provisions apply for withdrawal or modification of the Bids:</p> <p>GoN Funded:</p> <p>(i) In case of bids submitted in hard copy no bid shall be withdrawn or modified in the interval between 24 hours prior to the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.</p> <p>(ii) In case of e-submitted bids no bids shall be withdrawn or modified in the interval between deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Technical Bid and Price Bid or any extension thereof.</p> <p>DP Funded:</p> <p>No Bid may be withdrawn or modified in the interval between the deadline for submission of Bids and the expiration of the period of bid validity specified by the Bidder on the Letters of Technical Bid and Price Bid or any extension thereof.</p>
	<p>24.4 Except in case of any modification or correction in bid document made by procuring entity, Bidder may submit request for withdrawal or modification only one time.</p>
	<p>24.5 In case of hard copy bid, no bid may be withdrawn if the bid has already been modified; except in case of any modification or correction in bid document by procuring entity.</p>
	<p>24.6 Request for withdrawal or modification must be made through the same medium of submission. Request for withdrawal or modifications through different medium shall not be considered.</p>
25. Bid Opening	<p>25.1 The Employer shall open the Technical Bids in public at the address, on the date and time <b>specified in the BDS</b> in the presence of Bidders` designated representatives who choose to attend. The Price Bids will remain unopened and will be held in custody of the Employer until the specified time of their opening. If the Technical Bid and Price Bid are submitted together in one envelope, the Employer shall reject the entire Bid.</p>
	<p>25.2 The Employer shall download the e-submitted Technical Bid. The e-GP system allows the Employer to download the e-submitted technical bid only after bid opening date and time after login simultaneously by at least two members of the Bid Opening Committee.</p>
	<p>25.3 Electronically submitted Technical Bid shall be opened at first in the same time and date as specified above. Electronic Bids shall be opened one by one and read out. The e-submitted technical bids must be readable through open</p>



	standards interfaces. Unreadable and or partially submitted bid files shall be considered incomplete.
	25.4 Thereafter, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding Bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be Permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked “MODIFICATION” shall be opened and read out with the corresponding bid. No Technical Bid and/or Price Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out and recorded at bid opening. Only the Technical Bid, both Original as well as Modification, are to be opened, read out, and recorded at the opening. Price Bids, both Original and Modification, will remain unopened in accordance with ITB 25.1.
	25.5 All other envelopes holding the Technical Bid shall be opened one at a time, reading out: the name of the Bidder; whether there is a modification; the presence of a bid security and any other details as the Employer may consider appropriate. Only Technical Bids read out and recorded at bid opening shall be considered for evaluation. No bid shall be rejected at opening of Technical Bids except for late bids, in accordance with ITB 23.1.
	25.6 The Employer shall prepare a record of the opening of Technical Bids that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, or modification; and the presence or absence of a bid security. The Bidders’ representatives who are present shall be requested to sign the record. The omission of a Bidder’s signature on the record shall not invalidate the contents and effect of the record.
	25.7 At the end of the evaluation of the Technical Bids, the Employer will invite bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by the Employer. Bidders shall be given at least 7 days’ notice for the opening of Price Bids.
	25.8 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially nonresponsive to the requirements of the Bidding Document and return their Price Bids unopened.
	25.9 The Employer shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, in the presence of Bidders’ representatives who choose to attend at the address, on the date, and time specified by the Employer. The Bidder’s representatives who are present shall be requested to sign a register evidencing their attendance.
	25.10 All envelopes containing Price Bids shall be opened one at a time and the

	<p>following read out and recorded:</p> <ul style="list-style-type: none"> <li>(a) the name of the Bidder;</li> <li>(b) whether there is a modification;</li> <li>(c) the Bid Prices, including any discounts and alternative offers; and</li> <li>(d) any other details as the Employer may consider appropriate.</li> </ul> <p>Only Price Bids, discounts, modifications, and alternative offers read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Price Bids.</p> <p>25.11 The Employer shall prepare a record of the opening of Price Bids that shall include, as a minimum, the name of the Bidder, the Bid Price (per lot if applicable), any discounts, modifications and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record.</p>
<b>E. Evaluation and Comparison of Bids</b>	
26. Confidentiality	<p>26.1 Information relating to the examination, evaluation, comparison, and post-qualification of bids and recommendation of Contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.</p> <p>26.2 Any attempt by a Bidder to influence the Employer in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.</p> <p>26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the bidding process, it may do so in writing.</p>
27. Clarification of Bids	<p>27.1 To assist in the examination, evaluation, and comparison of the Technical and Price Bids, the Employer may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the substance of the Technical Bid or prices in the Price Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Price Bids, in accordance with ITB 33. In case of e-submission of bid, upon notification from the employer, the bidder shall also submit the original of documents comprising the Technical and Price Bid as per ITB 11.2 and ITB 11.3 for verification of submitted documents for acceptance of the e-submitted bid.</p> <p>27.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its Bid may be rejected.</p>
28. Deviations, Reservations, and Omissions	<p>28.1 During the evaluation of bids, the following definitions apply:</p> <ul style="list-style-type: none"> <li>(a) "Deviation" is a departure from the requirements specified in the Bidding</li> </ul>



	<p>Document;</p> <p>(b) “Reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and</p> <p>(c) “Omission” is the failure to submit part or all of the information or documentation required in the Bidding Document.</p>
29. Examination of Technical Bid	<p>29.1 The Employer shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB 11.2 have been submitted. If any of these documents or information (except alternative Technical Bid which is optional) is missing, the bid shall be rejected.</p>
	<p>29.2 In case of e-submission bids, the Employer shall confirm that all the documents and information requested in ITB 21.1 have been submitted. If any of these documents or information is missing, the bid shall be rejected.</p>
30. Determination of Responsiveness of Technical Bid	<p>30.1 The Employer’s determination of a Bid’s responsiveness is to be based on the contents of the bid itself, as defined in ITB11.2.</p>
	<p>30.2 A substantially responsive Technical Bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,</p> <p>(a) if accepted, would:</p> <p>(i) affect in any substantial way the scope, quality, or performance of the Works specified in the Contract;</p> <p>or</p> <p>(ii) limit in any substantial way, inconsistent with the Bidding Document, the Employer’s rights or the Bidder’s obligations under the proposed Contract; or</p> <p>(b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.</p>
	<p>30.3 The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 16, Technical Proposal, in particular, to confirm that all requirements of Section VI (Works Requirements) have been met without any material deviation, reservation or omission.</p>
	<p>30.4 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.</p>
	<p>30.5 In case of e-submission bids, the Employer evaluates the bid on the basis of the information in the electronically submitted bid files. If the Bidder cannot substantiate or provide evidence to establish the information provided in e-</p>

	submitted bid through documents/ clarifications as per ITB Clause 27.1, the bid shall not be considered for further evaluation.
	<p>30.6 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.</p> <p>30.7 Except in case of e-submission, the Financial Bid of the bidder, which is evaluated as substantially non-responsive in technical bid, shall be returned to the respective bidders.</p>
31. Non-conformities Errors, and Omissions	31.1 Provided that a bid is substantially responsive, the Employer may waive any non-conformities in the bid that do not constitute a material deviation, reservation, or omission.
	31.2 Provided that a Technical Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the Price Bid. Failure of the Bidder to comply with the request may result in the rejection of its bid.
	31.3 Provided that a Technical Bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the methods indicated in Section III (Evaluation and Qualification Criteria).
	31.4 If the monetary value of such non-conformities is found to be more than fifteen percent of the Bid Price of the bidder pursuant to ITB <b>31.3</b> , such bid shall be considered nonresponsive and shall not be involved in evaluation.
32 Qualification of the Bidder	32.1 The Employer shall determine to its satisfaction during the evaluation of Technical Bids whether Bidders meet the qualifying criteria specified in Section III (Evaluation and Qualification Criteria).
	32.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.1.
	32.3 An affirmative determination shall be a prerequisite for the opening and evaluation of a Bidder's Price Bid. A negative determination shall result into the disqualification of the Bid, in which event the Employer shall return the unopened Price Bid to the Bidder.
33. Correction of Arithmetical Errors	<p>33.1 During the evaluation of Price Bids, the Employer shall correct arithmetical errors on the following basis:</p> <p>(a) only for unit price Contracts, if there is a discrepancy between the unit price</p>



	<p>and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;</p> <p>(b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected;</p> <p>(c) If there is a discrepancy between the bid price in the Summary of Bill of Quantities and the bid amount in item (c) of the Letter of Price Bid, the bid price in the Summary of Bill of Quantities will prevail and the bid amount in item (c) of the Letter of Price Bid will be corrected.</p> <p>(d) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a), (b) and (c) above.</p> <p>33.2 If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its bid shall be disqualified and its bid security shall be forfeited.</p>
34 Subcontractors	<p>34.1 In case of Prequalification, the Bidder's Bid shall name the same subcontractor as submitted in the prequalification application and approved by the Employer.</p> <p>In case of Post-qualification, the Employer may permit subcontracting for certain specialized works as indicated in Section III When subcontracting is permitted by the Employer, the sub-contractor shall meet the qualifications criteria as indicated in section III.</p> <p>Sub-contractors' qualification and experience will not be considered for evaluation of the Bidder. The Bidder on its own (without taking into account the qualification and experience of the sub-contractor) should meet the qualification criteria.</p> <p>Bidders may propose subcontracting up to the percentage of total value of contracts or the volume of works as <b>specified in the BDS</b>.</p>
35. Evaluation of Price Bids	<p>35.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.</p> <p>35.2 To evaluate a Price Bid, the Employer shall consider the following:</p> <p>(a) the bid price, excluding Value Added Tax , Provisional Sums, and the provision, if any, for contingencies in the Summary Bill of Quantities, for Unit Rate Contracts, or Schedule of Prices for lump sum Contracts, but including Day work items, where priced competitively;</p> <p>(b) adjustment for correction of arithmetic errors in accordance with ITB 33.1;</p> <p>(c) adjustment due to discounts offered in accordance with ITB 14.4;</p> <p>(d) adjustment for nonconformities in accordance with ITB 31.3;</p>

	(e) application of all the evaluation factors indicated in Section III (Evaluation and Qualification Criteria);
	35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
	35.4 If this Bidding Document allows Bidders to quote separate prices for different lots (Contracts), and to award multiple Contracts to a single Bidder <b>as specified in BDS</b> , the methodology to determine the lowest evaluated price of the Contract combinations, including any discounts offered in the Letter of Price Bid, is specified in Section III (Evaluation and Qualification Criteria).
	35.5 if the bid for an Unit Rate Contract, which results in the lowest Evaluated Bid Price is seriously unbalanced or front loaded <b>or extremely low</b> in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analysis, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder as <b>mentioned in BDS</b> to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract <b>or may consider the bid as non-responsive</b> .
	35.6 In case of e-submission bids, the Employer evaluates the bid on the basis of the information in the electronically submitted bid files. If the Bidder cannot substantiate or provide evidence to establish the information provided in e-submitted bid through documents/ clarifications as per ITB Clause 27.1, the bid shall not be considered for further evaluation.
	35.7 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
36. Comparison of Bids	36.1 The Employer shall compare all substantially responsive bids in accordance with ITB 35.2 to determine the lowest evaluated bid.
37. Employer's Right to Accept Any Bid, and to Reject Any or All Bids	37.1 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all Bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.



<b>F. Award of Contract</b>	
38. Award Criteria	38.1 The Employer shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
39. Letter of Intent to Award the Contract/Notification of Award	39.1 The Employer shall notify the concerned Bidder whose bid has been selected in accordance with ITB 38.1 within seven days of the selection of the bid, in writing that the Employer has intention to accept its bid and the information regarding the name, address and amount of selected bidder shall be given to all other bidders who submitted the bid.
	39.2 After issuance of the notice under ITB 39.1 if the concerned bidder provides information pursuant to ITB 4.10 regarding saturation of maximum number of contracts, the employer shall disqualify the bidder and shall select the next lowest evaluated Bidder in accordance with ITB 38.1 and notify accordingly as per ITB 39.1.
	39.3 If no bidder submits an application pursuant to ITB 42 within a period of seven days of the notice provided under ITB 39.1, the Employer shall, accept the bid selected in accordance with ITB 38.1 and Letter of Acceptance shall be communicated to the selected bidder prior to the expiration of period of Bid validity, to furnish the performance security and sign the contract within fifteen days.
	39.4 After communicating letter of acceptance under ITB 39.3, if the concerned bidder provides information pursuant to ITB 4.10 regarding saturation of maximum number of contracts, the employer shall reject the bid of that bidder and shall select the next lowest evaluated Bidder in accordance with ITB 38.1 and shall issue the notice accordingly as per ITB 39.1. In such case bid security of the rejected bidder shall not be forfeited.
	<u>39.5</u> In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
40. Performance Security and Line of Credit	<p>40.1 Within Fifteen (15) days of the receipt of Letter of Acceptance from the Employer, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, subject to ITB 35.5, as specified below from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal using Sample Form for the Performance Security included in Section X (Contract Forms), or another form acceptable to the Employer. The performance security issued by any foreign Bank outside Nepal must be counter guaranteed by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.</p> <p>i) If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent below</p>



	<p>the approved cost estimate, the performance security amount shall be 5 (five) percent of the bid price.</p> <p>ii) For the bid price of the bidder selected for acceptance is more than 15 (fifteen) percent below of the cost estimate, the performance security amount shall be determined as follows:</p> <p><b>Performance Security Amount = [(0.85 x Cost Estimate – Bid Price) x 0.5] + 5% of Bid Price.</b></p> <p>The Bid Price and Cost Estimate shall be exclusive of Value Added Tax.</p> <p>40.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily. The process shall be repeated according to ITB 39.</p>
41 Signing of Contract	<p>41.1 The Employer and the successful Bidder shall sign the Contract Agreement within the period as stated ITB 40.1.</p> <p>41.2 At the same time, the Employer shall affix a public notice on the result of the award on its notice board and make arrangement for causing such notice to be affixed on the notice board also of the <i>District Coordination Committee, District Administration Office, Provincial Treasury and Controller Office and District Treasury and Controller Office</i>. The Employer may make arrangements to post the notice into its website, if it has; and if it does not have, into the website of the Public Procurement Monitoring Office, identifying the bid and lot numbers and the following information: (i) the result of evaluation of bid; (ii) date of publication of notice inviting bids; (iii) name of newspaper; (iv) reference number of notice; (v) item of procurement; (vi) name and address of bidder making contract and (viii) contract price</p> <p>41.3 Within thirty (30) days from the date of issuance of notification pursuant to ITB 39.1 unsuccessful bidders may request in writing to the Employer for a debriefing seeking explanations on the grounds on which their bids were not selected. The Employer shall promptly respond in writing to any unsuccessful Bidder who, requests for debriefing.</p> <p>41.4 If the bidder whose bid has been accepted fails to sign the contract as stated ITB 40.1, the Public Procurement Monitoring Office shall blacklist the bidder on recommendation of the Public Entity.</p>
42. Complaint and Review	<p>42.1 If a Bidder is dissatisfied with the Procurement proceedings or the decision made by the Employer in opening of the price bid or the intention to award the Contract, it may file an application to the Chief of the Public Entity within Seven (7) days of providing the notice under ITB 25.8 and ITB 39.1 by the Public Entity, for review of the proceedings stating the factual and legal grounds.</p> <p>42.2 Late application filed after the deadline pursuant to ITB 42.1 shall not be processed.</p>



	<p>42.3 The chief of Public Entity shall, within five (5) days after receiving the application, give its decision with reasons, in writing pursuant to ITB 42.1:</p> <p>(a) whether to suspend the procurement proceeding and indicate the procedure to be adopted for further proceedings; or</p> <p>(b) to reject the application.</p> <p>The decision of the chief of Public Entity shall be final for the Bid amount up to the value as stated in 42.4.</p>
	<p>42.4 If the Bidder is not satisfied with the decision of the Public Entity in accordance with ITB 42.3, or the decision is not given within five (5) days of receipt of application pursuant to ITB 42.1, it can, within seven (7) days of receipt of such decision, file an application to the Review Committee of the GoN, stating the reason of its disagreement on the decision of the chief of Public Entity and furnishing the relevant documents, provided that its Bid amount ,equal or more than Rupees Twenty Million (NRs. 20,000,000). The application may be sent by hand, by post, by courier, or by electronic media at the risk of the Bidder itself.</p>
	<p>42.5 Late application filed after the deadline pursuant to ITB 42.4 shall not be processed.</p>
	<p>42.6 Within three (3) days of the receipt of application from the Bidder, pursuant to ITB 42.4, the Review Committee shall notify the concerning Public Entity to furnish its procurement proceedings, pursuant to ITB 42.3.</p>
	<p>42.7 Within three (3) days of receipt of the notification pursuant to ITB 42.6, the Public Entity shall furnish the copy of the related documents to the Review Committee.</p>
	<p>42.8 The Review Committee, after inquiring from the Bidder and the Public Entity, if needed, shall give its decision within one (1) month of the receipt of the application filed by the Bidder, pursuant to ITB 42.4.</p>
	<p>42.9 The Bidder, filing application pursuant to ITB 42.4, shall have to furnish a cash amount or Bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law equivalent to ten percent (10 %) of amount of bid security in case of complaint against decision pursuant to ITB 25.8 and one percent (1%) of its quoted Bid amount in case of complaint against decision pursuant to ITB 39.1 with the validity period of at least ninety (90) days from the date of the filing of application pursuant to ITB 42.4.</p>
	<p>42.10 If the claim made by the Bidder pursuant to ITB 42.4 is justified, the Review Committee shall have to return the security deposit to the applicant, pursuant to ITB 42.9, within seven (7) days of such decision made.</p>

## Section II: Bid Data Sheet

This section consists of provisions that are specific to each procurement and supplement the information or requirements included in Section I. Instructions to Bidders.

A. General	
ITB 1.1	The number of the Invitation for Bids is: WRIDDOROLPA/WORKS/NCB-05/2081-82
ITB 1.1	The Employer is: <b><i>Water Resources and Irrigation Development Division, Rolpa</i></b>
ITB 1.1	The number and identification of lots (contracts) comprising this bidding process is: WRIDDOROLPA/WORKS/NCB-05/2081-82
ITB 2.1	The name of the Project is <b><i>Goitibang Irrigation Project, Triveni R.M.-05, Rolpa</i></b> The implementing agency is <b><i>Water Resources and Irrigation Development Division, Rolpa</i></b> Government of Lumbini Province Funded
ITB 4.1 (a)	For GoN Funded: Maximum number of partner in a joint venture shall be : <b>3 (three)</b>
ITB 4.9 & 4.10	For GoN Funded: Maximum number of running contracts that a Bidder, and all parties constituting the Bidder can have, shall be : <b>5 (five)</b>
B. Bidding Document	
ITB 7.1	For clarification purposes only, the Employer's address is: Attention: <b><i>Water Resources and Irrigation Development Division</i></b> Address: <b><i>Liwang, Rolpa</i></b> Telephone: : +977-9857877020 Electronic mail address: widd.rolpa@gmail.com
ITB 7.4	A Pre-Bid meeting shall be held. Pre-Bid Meeting will take place at the following date, time and place: Date: <b><i>May 16, 2025 (Jestha 02, 2082)</i></b> Time: <b><i>11:00 AM.</i></b> Place: <b><i>_Water Resources and Irrigation Development Division, Libang, Rolpa</i></b> A site visit <b><i>shall not be</i></b> organized by the Employer.
ITB 7.5	Time for request: Requests for clarification should be received by the Employer no later than <b>10 days</b> prior to the deadline for submission of bids.
C. Preparation of Bids	
ITB 10.1	The language of the bid is: <b>English / Nepali</b>



ITB 11.2 (h)	The Bidder shall submit with its Technical Bid the following additional documents: <b>None</b>
ITB 11.3 (b)	In accordance with ITB 12 and ITB 14, the following schedules shall be submitted with the bid, including the priced Bill of Quantities for Unit Rate Contracts and Schedule of Prices for lump sum contracts: None
11.3 (d)	The Bidder shall submit with its Price Bid the following additional documents: None
ITB 13.1	Alternative bids <b>shall not be</b> permitted.
ITB 13.2	Alternative times for completion <b>shall not be</b> permitted.
ITB 13.4	Alternative technical solutions shall be permitted for the following parts of the Works: Not Applicable
ITB 14.6	The prices quoted by the Bidder <b>shall not be</b> subject to adjustment during the performance of the Contract.
ITB 18.1	The bid validity period shall be: <b>Ninety (90) days.</b>
ITB 19.1	The Bidder shall furnish a bid security, from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law with a minimum of <b>NRs 8,50,000.00</b> , which shall be valid for 30 days beyond the validity period of the bid.
ITB 19.2 (b)	Account Name: ख. र.३-प.ले.नि.का. धरौटी खाता (KHA 2.3-PA LE NI KA ROLPA) Bank Name: Nepal Bank Limited Bank Address: Liwang, Rolpa Account Number: 07602000002003000001 Office Code: 3080054015
ITB 20.1	In addition to the original of the bid, the number of copy/ies is/are: <b>Not Applicable</b>
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall indicate:  (a) The name and description of the documentation required to demonstrate the authority of the signatory to sign the Bid such as a Power of Attorney; and  (b) In the case of Bids submitted by an existing or intended JV, an undertaking signed by all parties (i) stating that all parties shall be jointly and severally liable, and (ii) nominating a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.
<b>D. Submission and Opening of Bids</b>	

ITB 21.1	Bidders shall have the option of submitting their bids <b>electronically only</b>
ITB 22.1	<p>For bid submission purposes only, the Employer's address is :</p> <p>Attention: <b>Division Chief</b></p> <p>Address: <i>Water Resources and Irrigation Development Division Office, Rolpa</i></p> <p>The deadline for bid submission is :</p> <p>Date : <i>May 25, 2025 (Jestha 11, 2082)</i></p> <p>Time : <i>12:00 noon</i></p>
ITB 25.1	<p>The Technical Bid opening shall take place at :</p> <p>Address : <i>Water Resources and Irrigation Development Division Office, Libang, Rolpa</i></p> <p>Date : <i>May 25, 2025 (Jestha 11, 2082)</i></p> <p>Time : <i>1:00 pm</i></p>
<b>E. Evaluation and Comparison of Bids</b>	
ITB 34.1	a) Contractor's proposed subcontracting: Maximum percentage of subcontracting permitted is: <b>Not Applicable</b>
ITB 35.4	Bidders are <i><b>not permitted</b></i> to quote separate prices for lots (Contracts)
ITB 35.5	The amount of the performance security be increased by <b>Eight (8)</b> percent of the quoted bid price.



## Section III: Evaluation and Qualification Criteria

This Section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders by post-qualification exercise. GoN/DP requires bidders to be qualified by meeting predefined, precise minimum requirements. The method sets pass-fail criteria, which, if not met by the bidder, results in disqualification. In accordance with ITB 32 and ITB 35, no other methods, criteria and factors shall be used. The Bidder shall provide all the information requested in the forms included in Section IV (Bidding Forms).

### 1. Evaluation

In addition to the criteria listed in ITB 35.2 (a) - (e) the following criteria shall apply:

Note:

Use the evaluation criteria listed below as appropriate and required for the project.

#### 1.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity, to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section VI (Works Requirements).

Non-compliance with equipment and personnel requirements described in Section VI (Works Requirements) shall not be grounds for bid rejection and such non-compliance will be subject to clarification and rectification prior to contract award.

#### 1.2 Multiple Contracts

**Multiple Contracts**, if permitted under ITB 35.4, will be evaluated as follows:

##### **Award Criteria for Multiple Contracts [ITB 35.4]:**

Bidders have the option to Bid for any one or more Contracts. Bids will be evaluated taking into account discounts offered, if any, for combined contracts. The contract(s) will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for combined contracts, subject to the selected Bidder(s) meeting the required qualification criteria for combination of multiple contracts as the case may be.

### **Qualification Criteria for Multiple Contracts:**

The criteria for qualification shall be the sum of the minimum requirements for respective individual contracts as specified under items 2.3.2, 2.3.3, 2.3.4 and 2.4.2 b.

With respect to the **Contracts of Similar Size and Nature** under item 2.4.2(a) of Section III, the evaluation shall be done as below:

N is the minimum number of contracts required as per Specific Construction Experience (2.4.2(a)).

V is the minimum value of a single contract as per Note (2), ~~or~~ (3) of 2.4.2 Specific Construction Experience.

- i. Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the bidder has submitted bids as follows, and N1,N2,N3, etc. shall be different contracts:

Contract 1: N1 contracts, each of minimum value V1;

Contract 2: N2 contracts, each of minimum value V2;

Contract 3: N3 contracts, each of minimum value V3;

----etc.

**Or**

- ii. Total number of contracts is equal or less than  $N1 + N2 + N3$  ---but the total value of all such contracts is equal or more than  $N1 \times V1 + N2 \times V2 + N3 \times V3$  ----.

### **1.3 In Case, other than Multiple Contracts**

Bidders have the option to Bid for any one or more Contracts. The contracts will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer, subject to the selected Bidder(s) meeting the required qualification which shall be the sum of the minimum requirements for respective individual contracts. Under this case, Contract shall be awarded based on Least Cost Combination to the Employer.

### **1.4 Completion Time**

An alternative Completion Time, if permitted under ITB 13.2, will be evaluated as follows:

*Not Applicable*

### **1.5 Alternative Technical Solutions**

Alternative technical solutions, if permitted under ITB 13.4, will be evaluated as follows:

*Not Applicable*

### **1.6 Quantifiable Nonconformities and Omissions**



Subject to ITB 14.2 and ITB 35.2, the evaluated cost of quantifiable nonconformities including omissions, is determined as follows:

“Pursuant to ITB 31.3, the cost of all quantifiable nonmaterial nonconformities shall be evaluated, but excluding omission of prices in the BoQ. The Employer will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of bids.”

## 2. Qualification

### 2.1 Eligibility

Criteria		Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
2.1.1 Nationality					
Nationality in accordance with ITB sub-clause 4.2	must meet requirement	must meet requirement	must meet requirement	not applicable	Letter of Technical Bid Forms ELI –1; ELI – 2 with attachments
2.1.2 Conflict of Interest					
No conflicts of interest in accordance with ITB Sub-Clause 4.3.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Letter of Technical Bid
2.1.3 Government/ DP Eligibility					
Not having been declared ineligible by government /DP, as described in ITB Sub-Clause 4.4.	must meet requirement	must meet requirement	must meet requirement	not applicable	Letter of Technical Bid
2.1.4 Government-owned Entity					
Bidder required to meet conditions of ITB	must meet requirement	existing or intended JV must meet	must meet requirement	not applicable	Forms ELI - 1, ELI - 2, with



Sub-Clause 4.5.		requirement			attachments
<b>2.1.5 UN Eligibility</b>					
Not having been declared ineligible based on a United Nations resolution or Employer's country law, as described in ITB Sub-Clause 4.8.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	Letter of Technical Bid
<b>2.1.6 Bidder's Running Contracts</b>					
Bidder's Running Contracts <sup>2</sup> not more than five (5) as described in ITB Sub-Clause 4.9.	must meet requirement	existing or intended JV must meet requirement	must meet requirement	not applicable	ELI-3
<b>2.1.7 Other Eligibility</b>					
Firm Registration Certificate	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment
Business Registration Certificate	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment
VAT and PAN Registration certificate ( <i>only for domestic bidders</i> )	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment
Tax Clearance Certificate/Tax return submission evidence for the F/Y2080/81 ( <i>Only for domestic bidders</i> )	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment

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<sup>2</sup> Following contracts shall not be counted for this purpose

a) The contracts which were invited or accepted before 2078-12-03 B.S or March 17, 2022 A.D

b) The contracts which have been invited after 2078-12-03 B.S i.e March 17, 2022 A.D and accepted but the work acceptance report has been approved according to Rule 117 of PPR.

c) The contracts that are running under all types of foreign assistance



Additional requirements <i>[Insert if any]</i>	.....	.....	.....	.....	.....
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## 2.2 Pending Litigation

Criteria		Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
2.2.1 Pending Litigation					
All pending litigation shall be treated as resolved against the Bidder and so shall in total not represent more than <b>fifty</b> percent of the Bidder's net worth.	must meet requirement by itself or as partner to past or existing JV	not applicable	must meet requirement by itself or as partner to past or existing JV	not applicable	Form LIT - 1

## 2.3 Financial Situation

Criteria		Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
2.3.1 Historical Financial Performance					
Submission of audited balance sheets and income statements, for the last three years to demonstrate the current soundness of the Bidder's financial position. As a minimum, a Bidder's net worth for the last year calculated as the difference between total assets and total liabilities should be positive.	must meet requirement	not applicable	must meet requirement	not applicable	Form FIN - 1 with attachments

## 2.3.2 Average Annual Construction Turnover

Minimum average annual construction turnover of <b>NRs 3,96,00,000.00 (i.e. 39.60 Million)</b> calculated as total certified payments received for construction contracts in progress or completed, within best three years out of last ten fiscal years.	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN -2
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Only the net amount shall be calculated after deducting the amount for VAT and such amount shall be adjusted to present value by applying wholesale price index of Nepal Rastra Bank.



2.3.3 Financial Resources					
Using Forms FIN - 3 and FIN - 4 in Section IV (Bidding Forms) the Bidder must demonstrate access to, or availability of, financial resources such as liquid assets <sup>3</sup> , unencumbered real assets, and other financial resources, (other than any contractual advance payments) to meet the cash-flow requirement of NRs <b>90,00,000.00 (i.e. 9 Million)</b>	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN - 3

<u>2.3.4</u> Required Bid Capacity						
The bidding capacity of the bidder should be equal to or more than the <b>NRs 3,00,00,000.00 (i.e. 30.0 Million)</b>	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN - <u>4 and Form FIN - 5</u>	

## 2.4 Experience

Criteria		Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture			Submission Requirement
		All Partners Combined	Each Partner	One Partner	
2.4.1 General Construction Experience					
Experience under construction contracts in the role of contractor, subcontractor, or management contractor for at least the last 3 years	must meet requirement	not applicable	must meet requirement	not applicable	Form EXP - 1

<sup>3</sup> Liquid Assets mean cash and cash equivalents, short-term financial instruments, short term available-for-sale-securities, marketable securities, trade receivables, short-term financing receivables and other assets that can be converted into cash within ONE YEAR.

prior to the applications submission deadline.					
<b>2.4.2 Specific Construction Experience</b>					
<b>(a) Contracts of Similar Size and Nature</b>					
<p>Participation as Prime contractor, management contractor, or subcontractor, in at least One (1) Contract within the last ten (10) years, with a value of at least NRs <b>NRs 1,32,00,000.00 (i.e. 13.2 Million)</b> that have been successfully or are substantially completed and that are similar to the proposed works.</p> <p>For this propose, similar works include construction of Headworks or Hydropower intake/dam/weir/barrage or RCC Canal works.</p> <p>The similarity shall be based on the physical size, complexity, methods, technology or other characteristics as described in Section VI, Works Requirements.</p>	must meet requirement	not applicable	not applicable	must meet requirement	Form EXP – 2(a)

Only the net amount shall be calculated after deducting the amount for VAT and such amount shall be adjusted to present value by applying wholesale price index of Nepal Rastra Bank.

<b>(b) Construction Experience in Key Activities</b>					
<p>For the above or other contracts executed during the period stipulated in 2.4.2(a) above, a minimum construction experience in the following key activities :</p> <ul style="list-style-type: none"> <li>• Concreting works in 1:2:4 ratio or M15 strength or above: 385 m<sup>3</sup>/year</li> <li>• Reinforcement steel bar works mortar : 19200 kg/year</li> <li>• Wooden formworks : 5000 m<sup>2</sup>/year</li> </ul>	must meet all requirements	must meet all requirements	not applicable	not applicable	Form EXP - 2(b)

\* Under Criterion 2.4.2 (a), the specified requirements define the similarity of contracts, whereas



the key activities or production rates to be specified under Criterion 2.4.2 (b) define the required capability of the Bidder to execute key components of the Works. There shall be no inconsistency or duplication of requirements between Criteria 2.4.2(a) and 2.4.2(b).

- \* For the rate of production, the rate of production shall be on the basis of the average during the entire contract period.
- \* Only the activities having weightage 10 percent or more of the total estimated amount that should be manufactured or built by contractor should be considered as key activities.
- \* Key activities or production rates to be specified shall not restrict innovation and better quality.
- \* Key activities or production rates of different contracts for a particular duration can be added while evaluating.
- \* While specifying key activities or production rates, it shall be assured and to be recorded by public entity so that sufficient bidders with required qualification are available in market for adequate competition.
- \* Key activities or production rates to be specified shall be unambiguous e.g. environmental friendly, international/high standard, complex technology etc.
- \* While specifying Key activities or production rates, the similarity shall be based on the complexity, methods or technology to be adopted.
- \* The activities that can be sub-contracted or readily available in the market (e.g. lift, elevator, electrical works, special type of facilities etc.) shall not considered as key activities.

## 2.5 Subcontractors

The experience and financial capacity of the sub-contractors shall not be added to those of the Bidder for purposes of qualification of the Bidder.

The sub-contractors proposed shall be fully qualified for their work proposed, and meet the following criteria:

2.7 (a) Nature of Works that can be sub contracted: Not applicable (*sub-contracting is not permitted*).

## **Section IV: Bidding Forms**

This Section contains the forms which are to be completed by the Bidder and submitted as part of its Bid.



## Letter of Technical Bid

The Bidder must accomplish the Letter of Bid in its letter head clearly showing the Bidder's complete name and address.

Date: .....

Name of the contract: .....

Invitation for Bid No.: .....

To:.....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) Clause 8.
- (b) We offer to execute in conformity with the Bidding Documents the following Works:
- (c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of *[insert validity period as specified in ITB 18.1 of the BDS]* days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (d) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from eligible countries in accordance with ITB 4.2 and meet the requirements of ITB 3.4,& 3.5
- (e) We are not participating, as a Bidder or as a subcontractor, in more than one Bid in this bidding process in accordance with ITB 4.3(e), other than alternative offers submitted in accordance with ITB 13.
- (f) Our firm, its affiliates or subsidiaries, including any Subcontractors or Suppliers for any part of the contract, has not been declared ineligible by DP, under the Employer's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;
- (g) We are not a government owned entity/We are a government owned entity but meet the requirements of ITB 4.5;<sup>1</sup>
- (h) We declare that, we including any subcontractors or suppliers for any part of the contract do not have any conflict of interest in accordance with ITB 4.3 and we have not been punished for an offense relating to the concerned profession or business.
- (i) We declare that we are solely responsible for the authenticity of the documents submitted by us. The document and information submitted by us are true and correct. If any document/information given is found to be concealed at a later date, we shall accept any legal actions by the Employer.
- (j) We agree to permit the Employer/DP or its representative to inspect our accounts and records and



other documents relating to the bid submission and to have them audited by auditors appointed by the Employer.

(k) If our Bid is accepted, we commit to mobilizing key equipment and personnel in accordance with the requirements set forth in Section VI (Works Requirement) and our technical proposal, or as otherwise agreed with the Employer.

(l) We declare that we have not running contracts more than five (5)<sup>4</sup> in accordance with ITB 4.9.

Name: .....

In the capacity of .....

Signed .....

Duly authorized to sign the Bid for and on behalf of .....

Date .....

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<sup>4</sup> Note: Following contracts shall not be counted for this purpose

a) The contracts which were invited or accepted before 2078-12-03 B.S or March 17, 2022 A.D

b) The contracts which have been invited after 2078-12-03 B.S i.e March 17, 2022 A.D and accepted but the work acceptance report has been approved according to Rule 117 of PPR.

c) The contracts that are running under all types of foreign assistance



## Letter of Price Bid

**The Bidder must accomplish the Letter of Bid in its letterhead clearly showing the Bidder's complete name and address.**

Date: .....

Name of the contract: .....

Invitation for Bid No.: .....

To:.....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) Clause 8;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: [Insert one of the options below as appropriate] or when left blank is the Bid Price indicated in the Bill of Quantities

Option 1, in case of single contract: Total price is: [insert the total price of the Bid in words and figures];

Or

Option 2, in case of multiple lots (contracts): (i) Total price of each lot (contracts): [insert the total price of each lot in words and figures]; (ii) Total price of subject contract [say Lot1] and Lot2 [another contract] [insert the total price in words and figures]; (iii) Total price of subject contract [say Lot1] and Lot3 [another contract] [insert the total price in words and figures]; Total price of subject contract [say Lot1], Lot2 [another contract], Lot3 [another contract], .....[insert the total price in words and figures];

- (d) The discounts offered and the methodology for their application for subject contract [single contract] are:..... [For Bidding Documents not provisioning multiple contracts]

Add following if Bidding Document provisions applicability of multiple contracts:

The discounts offered and the methodology for their application for subject contract [say Lot1] and Lot2 [another contract] are:.....

The discounts offered and the methodology for their application for subject contract [say Lot1] and Lot3 [another contract] are:.....

The discounts offered and the methodology for their application for subject contract [say Lot1], Lot2 [another contract] and Lot3 [another contract],....., are:.....

[Note:

1. Formulate possible combinations depending upon the number of lots under Bidding Process and modify accordingly Paragraph (c) and (d)]

(e) Our bid shall be valid for a period of *[insert validity period as specified in ITB 18.1]* days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If our bid is accepted, we commit to obtain a performance security in accordance with the Bidding Document;

(g) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:<sup>5</sup>

Name of Recipient	Address	Reason	Amount
.....	.....	.....	.....
.....	.....	.....	.....

(h) We understand that this bid, *together with your written acceptance thereof* included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;

(i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive; and

(j) We declare that we are solely responsible for the authenticity of the documents submitted by us.

(k) We agree to permit the Employer/DP or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the Employer.

Name: .....

In the capacity of .....

Signed .....

---

<sup>5</sup> If none has been paid or is to be paid, indicate "None".



Duly authorized to sign the Bid for and on behalf of .....

Date .....

## Table of Price Adjustment Data<sup>6</sup>

[To be used if Price Adjustment is applicable as per GCC 53.1]

Code	Index Description	Source of Index*	Base Value and Date	Employer's Proposed Weighting Range (coefficient)	Bidder's Proposed Weighting (coefficient)**
1	2	3	4	5	6
	Non - Adjustable (A)			0.15	0.15
	Labor (b)				
	Materials (c)				
	Equipment usage (d)				
		Total			1.00

\*Normally following source of index shall apply. Public Entity shall choose applicable Index for each item.

(a) Labor: "National Salary and Wage Rate Index"- "Construction Labor" of Nepal Rastra Bank or rate fixed by District Rate Fixation Committee

(b) Material:"National Wholesale Price Index" - Construction Materials" of Nepal Rastra Bank

(c) Equipment usage: "National Wholesale Price Index" - Machinery and Equipment" of Nepal Rastra Bank or "Fuel" Price fixed by Nepal Oil Corporation.

\*\* Bidders proposed weightings should be within the range specified by the Employer in column - 5

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<sup>6</sup> Non-compliance of the data (stipulated by the bidder in this table) with requirements described here shall not be grounds for bid rejection and such non-compliance will be subject to clarification and rectification prior to contract award.



## Table of Price Adjustment Data<sup>7</sup>

**[To be used if Price Adjustment is applicable as per GCC 53.6]**

Code	Construction Material*	Unit	Base Price (NRs/Unit) (Ex-factory)	Source (Factory)**
1	2	3	4	5

\* Major construction materials to be specified by Employer in column - 2.

\*\* Base Price and source normally to be specified by Employer (or alternatively informed to be proposed by bidder) in column 4 and 5.

**Note:**

The base prices of the construction materials shall be taken as of 30 days before the deadline for submission of the Bid as quoted by the Bidder and verified by the Employer. For the purpose of calculation of price adjustment, the Ex-factory price of the same source shall be taken into consideration.

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<sup>7</sup> Non-compliance of the data (stipulated by the bidder in this table) with requirements described here shall not be grounds for bid rejection and such non-compliance will be subject to clarification and rectification prior to contract award.

# Bid Security

## Bank Guarantee

*Bank's Name, and Address of Issuing Branch or Office*

*(On Letter head of the Bank)*

Beneficiary: ..... **name and address of Employer** .....

Date: ..... Bid Security No.: .....

We have been informed that. .... *[insert name of the Bidder]* (hereinafter called "the Bidder") intends to submit its bid (hereinafter called "the Bid") to you for the execution of ..... *name of Contract* ..... under Invitation for Bids No. .... ("the IFB").

Furthermore, we understand that, according to your conditions, bids must be supported by a bid guarantee.

At the request of the Bidder, we. .... *name of Bank* ..... hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of . . . . . *amount in figures* ..... (*. . . . . amount in words . . . . .*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn or modifies its Bid:
  - i) during the period of bid validity specified by the Bidder on the Letter of Technical and Price Bid, in case of electronic submission
  - (ii) from the period twenty-four hours prior to bid submission deadline up to the period of bid validity specified by the Bidder on the Letter of Technical Bid and Price Bid, in case of hard copy submission; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) changes the prices or substance of the bid while providing information pursuant to clause 27.1 of ITB; or
- (d) having been notified of the acceptance of its Bid by the Employer during the period of bid validity,
  - (i) fails or refuses to execute the Contract Agreement, or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.
- (e) is involved in fraud and corruption in accordance with the ITB

This guarantee will remain in force up to and including the date ..... *number* ..... days after the deadline for submission of Bids as such deadline is stated in the instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

This Bank guarantee shall not be withdrawn or released merely upon return of the original guarantee by the Bidder unless notified by you for the release of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

... *Bank's seal and authorized signature(s)* ...

### Note:

The bid security of ..... has been counter guaranteed by the Bank ..... on ..... (Applicable for Bid Security of Foreign Banks).



## **Technical Proposal Format**

Personnel

Equipment

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Others



# Personnel

## Form PER - 1: Proposed Personnel

Bidders should provide the names of suitably qualified personnel to meet the specified requirements for each of the positions listed in Section VI (Work Requirements). The data on their experience should be supplied using the Form below for each candidate.

No.	Name	Position*	Academic Qualification	Total Work Experience [Years]	Experience in Similar Works [years]
1.					
2.					
3.					
4.					
5.					

\* As listed in Section VI (Work Requirements).



## Form PER - 2: Resume of Proposed Personnel

The Bidder shall provide all the information requested below.

Position*		
Personal Information	Name	Date of Birth
	Professional qualifications	
Present employment	Name of employer	
	Address of employer	
	Telephone	Contact (manager/personnel officer)
	Fax	E-mail
	Job title	Years with present employer

Summarize professional experience over the last twenty years in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company, Project, Position and Relevant Technical and Management Experience

# Equipment

Form EQU: Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section VI (Work Requirements). A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

## (i) For the equipment under Bidder's ownership

No.	Equipment Type and Characteristics	Total Nos. of Equipment under Bidder's Ownership	No. of Equipment engaged/proposed for ongoing/committed contracts	Nos. of Equipment proposed for this contract
1.				
2.				
3.				
4.				
5.				

## (ii) For the Equipment to be leased/hired

No.	Equipment Type and Characteristics	Total Nos. of Equipment under the ownership of lease/hire provider	No. of Equipment engaged/committed for other works	Nos. of Equipment proposed to be leased/hired for this contract
1.				
2.				
3.				
4.				
5.				
Type of Equipment				
Equipment Information		Name of manufacturer		Model and power rating
		Capacity		Year of manufacture
Current Status		Current location		
		Details of current commitments		
Source		Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured		

The following information shall be provided only for equipment not owned by the Bidder.



Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	email
Agreements	Details of rental / lease / manufacture agreements specific to the project	

**The Bidder shall be solely responsible for the data provided. However, this shall not limit the right of Employer to verify the authenticity of submitted information.**

# **Bidder's Information and Qualification Format**

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Others



## Bidder's Qualification

To establish its qualifications to perform the contract in accordance with Section III (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

### Form ELI - 1: Bidder's Information Sheet

Bidder's Information	
Bidder's legal name	
In case of JV, legal name of each partner	
Bidder's country of constitution	
Bidder's year of constitution	
Bidder's legal address in country of constitution	
Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the following original documents.	
<ol style="list-style-type: none"><li>1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.</li><li>2. Authorization to represent the firm or JV named in above, in accordance with ITB 20.2.</li><li>3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1.</li><li>4. In case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITB 4.5.</li></ol>	

## Form ELI - 2: JV Information Sheet

Each member of a JV must fill in this form

JV / Specialist Subcontractor Information	
Bidder's legal name	
JV Partner's or Subcontractor's legal name	
JV Partner's or Subcontractor's country of constitution	
JV Partner's or Subcontractor's year of constitution	
JV Partner's or Subcontractor's legal address in country of constitution	
JV Partner's or Subcontractor's authorized representative information (name, address, telephone numbers, fax numbers, e-mail address)	
Attached are copies of the following original documents.	
<ol style="list-style-type: none"><li>1. articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.</li><li>2. Authorization to represent the firm named above, in accordance with ITB 20.2.</li><li>3. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 4.5.</li></ol>	

**Form ELI - 3: Bidder's Running Contracts<sup>8</sup>**

Each member of a JV must fill in this form

	Bidder's Running Contracts				
Name of office	Contract Identification no.	Source of Fund*	Date of issuance of Letter of Acceptance	Status of contract**	Date of Issuance of Taking Over Certificate***

\* Mention GON funded or DP funded or Other PE (Insert name) funded

\*\* Mention "Yet to sign" if contract is not signed, "Running" if contract has been signed and contract is running and "Substantially completed" if taking over certificate has been issued.

\*\*\* Insert date of issuance of taking over certificate if the awarded contract has been substantially completed and taking over certificate has been issued.

<sup>8</sup>Note: Following contracts shall not be counted for this purpose

a) The contracts which were invited or accepted before 2078-12-03 B.S or March 17, 2022 A.D

b) The contracts which have been invited after 2078-12-03 B.S i.e March 17, 2022 A.D and accepted but the work acceptance report has been approved according to Rule 117 of PPR.

c) The contracts that are running under all types of foreign assistance







## Form LIT - 1: Pending Litigation

Each member of a JV must fill in this form

Pending Litigation			
<input type="checkbox"/> No pending litigation in accordance with Criteria 2.2 of Section III (Evaluation and Qualification Criteria)			
<input type="checkbox"/> Pending litigation in accordance with Criteria 2.2 of Section III (Evaluation and Qualification Criteria)			
Year	Matter in Dispute	Value of Pending Claim in NRS	Value of Pending Claim as a Percentage on Net Worth

## Form FIN - 1: Financial Situation

Each Bidder or member of a JV must fill in this form

Financial Data for Previous 3 Years [in NRS]		
Year 1 :	Year 2 :	Year 3 :

### Information from Balance Sheet

Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

### Information from Income Statement

Total Revenues			
Profit Before Tax			
Profit After Tax			
<ul style="list-style-type: none"><li>○ Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three or above years, as indicated above, complying with the following conditions.</li><li>○ All such documents reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies.</li><li>○ Historic financial statements must be audited by a certified auditor.</li><li>○ Historic financial statements must be complete, including all notes to the financial statements.</li><li>○ Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).</li></ul>			



## Form FIN - 2: Average Annual Construction Turnover

Each Bidder or member of a JV must fill in this form

The information supplied should be the Annual Turnover of the Bidder or each member of a JV in terms of the amounts billed to clients for each year for work in progress or completed to NRs at the end of the period reported.

Annual Turnover Data for the Last 10 Years (Construction only)	
Year	Amount Currency

- **Average Annual Construction Turnover  
(Best three years within the last 10 years)**

--

### **Form FIN - 3: Financial Resources**

Specify proposed sources of financing, such as liquid assets, unencumbered real assets and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as indicated in Section III (Evaluation and Qualification Criteria).

<b>Financial Resources</b>		
<b>No.</b>	<b>Source of financing</b>	<b>Amount (in NRS)</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		



## Form FIN – 4: Bid Capacity

Each Bidder or member of a JV must fill in this form

$$\text{Bid Capacity} = [(5 \times A) - B]$$

A = Average Annual Turnover of best three years out of last ten fiscal years.

B = Annual Value of the existing commitments and works (ongoing) to be completed, calculated from **FIN-4**.

SN	Name of Bidder	Pan No.	A, in Million	B, in Million	Bid Capacity, in Million
1					
2					
3					

**Total Bid Capacity :**

**Signature of Bidder**

### Form FIN- 5: Current Contract Commitments / Works in Progress

Bidders and each partner to a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments ( For Calculation of B with reference of FIN-3)									
No.	Name of Contract	Name of the Contractor/s	Employer's Contact Address, Tel, Fax	Contract Share in % (a)	Contract Amount in Millions (b)	Contract Date(yyyy-mm) (c)	Initial or Revised Contract Duration (months) (d)	Value of outstanding works [In Millions, NRS] <sup>#</sup> (e)	Estimated Time in Month to Complete the outstanding works (f) = (c) + (d) – Date of Invitation of Bid (f)
1									
2									
3									
4									

#### Signature of Bidder

# The Outstanding Works means Contract Price (excluding Vat) minus Work Evaluated by Employer till the reference date. Bidder shall have to submit the relevant documentary evidence to substantiate the facts/figures.

Note 1: “B” shall be calculated as :  $B = \sum \left[ \frac{(e) \times (a)}{(f)} \right] \times 12$  , If (f) is less than 12, then value of (f) shall be taken as 12.

Note 2: If Initial or Revised Contract Date is run out with respect to Date of Invitation of Bid, the Estimated Time in Month to Complete the outstanding works shall be taken equal to 12 months.



### Form EXP - 1: General Construction Experience

Each Bidder or member of a JV must fill in this form.

General Construction Experience				
Starting Month Year	Ending Month Year	Year	Contract Identification and Name and Address of Employer Brief Description of the Works Executed by the Bidder	Role of Bidder



**Form EXP - 2(a): Specific Construction Experience**

Fill up one (1) form per contract.

Contract of Similar Size and Nature			
Contract No..... of.....	Contract Identification		
Award Date		Completion Date	
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
Total Contract Amount	<input type="checkbox"/> NRS .....		
If Partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount	
Employer's Name Address Telephone/Fax Number E-mail			
Description of the similarity in accordance with Criteria 2.4.2 (a) of Section III			
<b>Note :</b> <i>The Employer should insert here contract size, complexity, methods, technology, or other characteristics as described in Section VI (Work Requirements) against which the bidder demonstrates similarity in the box on the right-hand-side.</i>			



## Form EXP - 2(b): Specific Construction Experience in Key Activities

Fill up one (1) form per contract.

Contract of Similar Size and Nature			
Contract No..... of.....		Contract Identification	
Award Date		Completion Date	
Role in Contract	<input type="checkbox"/> Contractor	<input type="checkbox"/> Management Contractor	<input type="checkbox"/> Subcontractor
Total Contract Amount	<input type="checkbox"/> NRS .....		
If Partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount	
Employer's Name Address Telephone/Fax Number E-mail			
Description of the similarity in accordance with Criteria 2.4.2 (a) of Section III			
<b>Note :</b>  <i>The Employer should insert here production rate(s) for the key activity (activities) subject contract against which the bidder demonstrates in the box on the right-hand-side production rates achieved by him on previous contracts.</i>			

## Section V - Eligible Countries

*[This section contains the list of eligible countries. Select one option, either GoN Funded or DP Funded.]*

For GoN funded: *[with estimate up to NRs. -5 Billions]*

For the purpose of ITB 4.2: “**Nepal**”; and

For the purpose of Country of Origin ITB 5.1 and GCC 79.2: “**all Countries**”

For DP funded: [**attach list as per their list of eligible countries**]



## Part II : EMPLOYER'S REQUIREMENTS

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## **Section VI: Works Requirements**

This Section contains the Specification, the Drawings, and supplementary information that describe the Works to be procured, Personnel Requirements and Equipment Requirements.

## **Scope of Work**



## Specifications

### SECTION A

#### EXCAVATION WORKS

##### 1. **Scope**

- A. This Specification Section covers excavation required for works such as apron, check dam, retaining walls, spurs and embankment protection works.
- B. Excavation shall consist of excavation, removal and satisfactory disposal of all materials necessary for the construction of permanent works in accordance with the requirements of the Specification to the lines, grades and cross-sections shown on the Drawings or as otherwise directed by the Engineer. This work shall include the hauling and stacking, or hauling to sites of embankment also the disposal of unsuitable materials in specified manner, de-watering and pumping, and the trimming and finishing of excavation lines to such widths, depths, levels and profiles as shown on drawings or to such other dimensions and levels as may be ordered by the Engineer.

##### 2. **Construction Operations**

###### A. Preliminary Operations

- 1. Prior to any excavation the work shall be set out as specified in the drawing.
- 2. Before commencement of excavation a survey of the existing ground levels shall be made by the Engineer. The survey records shall serve as initial measurement for the determination of the final quantities of excavation performed under the Contract, and for related purposes.
- 3. Clearing and grubbing shall be performed in all excavation areas.
- 4. Stripping and storing of topsoil shall be performed as specified.

###### B. General Requirements

- 1. All excavation shall be made in accordance with the provisions stated herein or as directed by the Engineer and to the grades shown on the Drawings or established by the Engineer.
- 2. Change of Slopes: During progress of the work it may be found necessary or desirable by the Engineer to vary the slopes of



excavation or the slopes of embankments and the dimensions dependent thereon, and the Contractor shall execute the work in accordance with these specifications.

3. **Sliding Material:** Materials which will not stand on the slopes shown on the Drawings or established by Engineer, and materials which are a part of slides extending beyond the established lines of excavation which move into excavated areas, shall be removed by the Contractor in an approved manner, and the slopes shall be refinished to lines and grades established by the Engineer. The Contractor shall be required to excavate potential slide areas beyond the limits of the originally staked excavation where, in the judgment of the Engineer, such excavation is necessary to prevent damage to the work.
4. **Excavation lines:** Where excavations are not to be covered by structures or other required construction, they shall be made to the full dimensions required and shall be finished to the neat lines and grades shown on the Drawings or to such other lines and levels determined by the Engineer. All necessary precautions shall be taken to preserve the material below the lines of all excavation in the soundest possible condition. Any over excavation made for the convenience of the Contractor or for any purpose or reason, except as otherwise provided herein, shall be refilled and compacted by the Contractor at his expense.
5. **Use of Material:** It is anticipated that most of the materials from required excavations will be suitable for use in the construction required under the Contract. All suitable materials shall be placed in the designated final locations directly from the excavation as directed by the Engineer. As far as practicable, as determined by the Engineer, all materials designated for use in compacted embankments shall be brought to the proper water content before and during excavation.
6. **Subsurface Water:** Part of the required excavation will be below the subsurface water level. Any lines of water levels shown on the Drawings can be considered as tentative information only. The Contractor shall not be entitled to derive and claim therefrom and he shall select his equipment and programme, his constructional operations and the timing of these operations so as to complete the works to the satisfaction of the Engineer.
7. **Surface Water:** The Contractor shall take all necessary precautions to protect the work from surface water by constructing provisional bunds, drains or similar means, or by pumping, as may be approved or directed by the Engineer.



8. Whenever it becomes necessary during the course of the work to determine the volume of excavation in channels which are filled or partially filled with water, the Contractor shall furnish and maintain the required equipment for measuring and shall assist the Engineer in making such measurements.
9. Spoil Banks: Excavated materials containing stumps, roots, vegetable matter and other objectionable materials and excavated materials that are not required for backfill, embankments and other permanent construction shall be placed in designated spoil banks in waste areas designated by the Engineer. Spoil banks adjacent to the embankments shall be continuous except for gaps at suitable intervals for transverse drainage as shown on the Drawings or as directed by the Engineer. All spoil banks and waste areas shall be levelled and sloped to drain and trimmed to reasonably regular lines as shown on Drawings or as directed by the Engineer.

*C. Preparation of Foundation*

1. Upon completion of the excavation of the lines and levels shown on the Drawings or directed by the Engineer, the foundation shall be inspected by Engineer and the formation shall be prepared to receive the base course as directed by the Engineer.
2. Where material in a poor state of compaction (that is density less than 95 percent of the maximum dry density determined according to IS: 2720 - Part VII) is encountered at the foundation level it shall be treated suitably as directed by the Engineer.
3. The bottom of the foundation shall be levelled both longitudinally and transversely or stepped as directed by the Engineer. In the event of the foundation having been made deeper than that shown on the drawings or as otherwise ordered by the Engineer, the extra depth shall be made up with riverbed materials to the foundation grade at the contractors cost.
4. When rock or other hard stratum is encountered, it shall be left free of all soft and loose material, cleaned out to a firm surface either level, stepped or separated as directed by the Engineer.

*D. Finishing Operations*

1. Finishing operations shall include the work of properly shaping and dressing all excavated surfaces.
2. When completed, no point from the slopes shall vary from the designated slopes by more than 150 mm measured at right angles to the slope, except where excavation is in rock (hard or soft) where no point shall vary more than 600mm from the designated slope. In no case shall any portion of the slope encroach on the finished lines of structures.
3. The finished cut formation shall satisfy the surface tolerance as prescribed by the Engineer.
4. Where directed, the topsoil removed earlier and stored shall be spread over cut slopes, embankments and other disturbed area. Slopes may be roughened and moistened slightly prior to the application of topsoil in order to provide satisfactory bond. The depth of topsoil shall be sufficient to sustain plant growth, the usual thickness being 75mm to 150 mm.

### 3. **Measurements and Payments**

#### A. *Measurement*

1. Excavation shall be measured by taking cross sections at suitable intervals in the original position before the work starts and after its completion and computing the volume in cubic meters by the method of average end areas. Where it is not feasible to compute volumes by this method because of erratic location of isolated deposit, the volume shall be computed by other accepted method.
2. At the option of the Engineer, the Contractor shall leave depth indication during excavation of such shape and size and in such positions as directed so as to indicate the original ground level as accurately as possible. The Contractor shall see that these remain intact the final measurements are taken.
3. Excavation shall be measured in cubic meters for the respective features, limited to the dimension shown on the Drawings or as otherwise directed by the Engineer

#### B. *Payment*

1. Payment for the various types of excavation shall be made at the Contract unit rates tendered there for in the Bill of Quantities. The Contract unit rates for the items of excavation shall include full compensation for the following operations:
  - a. Site clearance where the Bill of Quantities contains no item for clearing and grubbing in the Schedule.



- b. Assistance in setting out profiles.
- c. Removal of boulders including loosening to required depth for the removal of surface boulders and other unsuitable materials if any backfilling and compacting, if required.
- d. Excavation in all types of materials.
- e. Transportation of the excavated material and depositing on the sides of embankments, banks or stacking as directed.
- f. When rock or other hard stratum is encountered, it shall be left free of all soft and loose material cleaned out to a firm surface either level, stepped or separated as directed by the Engineer.

## SECTION B

### CONCRETE CONSTRUCTION

#### 1.1 SCOPE

- A. This Specification Section includes furnishing all materials except reinforcement steel, and production, transportation, placing, finishing, curing, repair and protection of all concrete, grout used in connection with the concrete work, and grout, mortar or concrete used for setting equipment which is a part of this Contract. Reinforcement steel will be furnished by the Employer pursuant to Clause 18 of the Conditions of Contract.
- B. All concrete required to be used for structures to be constructed under the Contract and for all related purposes and as may be required by the Engineer, shall consist of the materials herein specified and shall be according to the Drawings and the requirements stated herein. The stipulations and requirements herein set forth shall apply except when such stipulations are specifically modified by the Engineer for any particular item of the work. Any stipulations and requirements not specified herewith shall conform to IS or BS standards.

#### 1.2 STORAGE AND HANDLING CEMENT

- A. The Contractor shall provide suitable storage for cement at approved places convenient to the work. And the cement shall at all times be carefully protected against moisture and exposure. Cement store house shall be weather tight, shall have close fitting floors set at a height of at least 30cm above ground, shall be large enough to maintain a sufficient supply of cement on hand to prevent delays or interruptions to the work and shall have sufficient floor space to store each truck load of cement separately and affording convenient access thereto for sampling, counting of sacks and removal. And the height shall be limited to one meter when the storage period is expected to be longer than 60 days.
- B. To prevent undue aging of sacked cement after delivery, the Contractor shall use sacked cement in the chronological order in which it was delivered on the job. Each shipment of sacked cement shall be stored so that it may readily be distinguished from other shipments.

All condemned sacks shall be promptly disposed of or marked by means approved by the Engineer.

### 1.3 CLASS AND GRADE OF CONCRETE

- A. General: All structural concrete shall conform to the appropriate class and grade for strength and exposure conditions of the appropriate IS or BSS standards.
- B. Unreinforced Concrete for Foundation and Floor Slabs and other structural Parts (M 100, M 150 and M 120): Furnish form and place foundation concrete as specified. Concrete shall be placed in sections according to the construction drawings or as specified by the Engineer. Contraction joints shall not be the subject of separate payment items. Construction joint in the foundation slab shall be only allowed if directed by the Engineer. On connection to walls, water stops shown on the Drawings or as specified by the Engineer shall be cast into the fresh concrete. Visible concrete surface shall be finished in fair-faced concrete. This item includes the construction of all recesses, block outs and voids.

C.

#### D. Concrete Mixes:

Concrete shall consist of cement, graded aggregate and water thoroughly mixed and completed to provide the strengths as IS Code detailed below:

S.N.	Types of concrete mix	Proportion of Aggregate	Minimum Compressive Strength at 28 days
A	38mm	1:1.5:3	200kg/cm <sup>2</sup>
AA	19mm	1:1.5:3	200kg/cm <sup>2</sup>
B	38mm	1:2:4	150kg/cm <sup>2</sup>
BB	19mm	1:2:4	150kg/cm <sup>2</sup>
C	38mm	1:3:6	100kg/cm <sup>2</sup>
D	38mm	1:4:8	100kg/cm <sup>2</sup>

The mix proportions shown in the table above are given as a guide to the mixes ordinarily needed to achieve the specified strengths. The actual mix designed after tests will depend upon the closeness of control which the contractor is prepared to exercise in production and upon the quality of the materials which will be obtained. The contract rates included in the Bill of Quantities for all type of concrete are to allow for any additional cement which may be required to achieve the specific strengths and to produce a dense impermeable and stable concrete.

Preliminary tests of concrete will be carried out by the Engineer to determine the mixes which will satisfy the specification with the available materials. These mixes will be designed with due regard for the workability necessary to allow the contractor to place and compact the concrete with the equipment he proposes to use in any particular situation.

#### E. Water Cement Ratio

The water cement ratio for the various types of concrete shall be determined by the preliminary test and in no case shall the water ratios used be allowed to exceed by more than those determined by the preliminary tests.



The contractor shall be required to have knowledge of the moisture content of all sand and coarse aggregate as they reach the mixer and shall make such adjustments to the mix, as are necessitated by changes in the moisture content of all aggregates.

#### **1.4 COMPOSTION**

- A. Unless otherwise specified and/or approved by the Engineer, concrete shall be composed of Portland cements and coarse aggregate and water as specified, well mixed and brought to the proper consistency.
- B. Grout shall be composed of Portland cement, sand and water all proportioned and mixed to the consistency approved by the Engineer. A non shrink compound may be required by the Engineer where this is deemed necessary, in which case an extra payment shall be agreed upon between the Engineer and the Contractor.
- C. For non structural concrete and blinding, the proportion of Portland cement to sand and aggregate shall not be less than 1 to 8 by volume. The minimum weight of cement in each cubic meter of concrete placed shall be 225 kg.
- D. For structural concrete the "Design Mix" shall be used. The "Design Mix" will be established from the test mixes to attain the stipulated characteristic strength. The minimum quantity of cement in each cubic meter of concrete placed shall be 325 kg.
- E. The proportion in which various ingredients are to be used shall be as determined and approved from time to time during the progress of the works and test made of the aggregates and the resulting concrete. The mix proportion and the appropriate water/cement ratio will be determined on the basis of producing concrete having suitable impermeability, durability, workability and required strength without the use of an excessive amount water or cement. The new water/cement ratio of the concrete (inclusive of the water within or absorbed by the aggregate) shall not exceed 0.54 weights for structural concrete, and not exceed 0.66 by weight for other classes. Test for the concrete will be made by the Engineer and the mix proportion shall be changed whenever necessary for the purposes of securing the required economy, workability, density, impermeability, durability or strength, and the Contractor shall not be entitled to additional compensation because of changes.
- F. Additives: Plasticizers, waterproofing compounds and the other additives will not be used unless approved in writing by the Engineer.
- G. The Contractor at his expense shall provide the Engineer with such equipment and activities as may be necessary for procuring and testing representative samples of the concrete or cement to the satisfaction of the Engineer.
- H. The frequency of the tests shall be determined by the Engineer on the basis of placement rate and the structure, but not often than necessary to make sure that the concrete being placed conforms the Specification and the design requirements.

#### **1.1 MATERIALS FOR CONCRETE**

- A. Portland cement: The Portland cement shall conform to the IS Code or equivalent.
- B. Concrete Reinforcement Steel: The Contractor-furnished steel reinforcement bars shall conform to IS Code or equivalent.
- C. Water: The Water in the concrete, mortar and grout shall be free from objectionable quantities of silt, organic matter, alkalis sulphates, and other impurities. The water to be used in all concrete, mortar and grout will be subject to the approval of the Engineer.

## 1.2 SAND AND COARSE AGGREGATE

- A. **General:** All sand coarse aggregate materials to be used for Contract and for all related purpose, and as may be required by the Engineer, shall consist of materials herein specified and the requirements set forth herein shall apply except where such stipulations and requirements are specifically modified by the Engineer for any particular item of work.

### B. Handling and Stockpiling.

- 1. The Contractor shall excavated as required, load, transport, unload, handle and stockpile sand and aggregates as required to perform the construction of the Works and structures herein. All methods employed by the Contractor for unloading, loading, handling and stockpiling of sand and aggregates and the location and arrangement of all stockpile areas shall be subject to the approval of the Engineer.
- 2. The Contractor shall clear and evenly grade for drainage all sites destined for stockpiling and shall handle stockpiling operations of sand and aggregates so that the segregation and breakage will be kept to a minimum and that stockpiled materials will not be contaminated with soil or other foreign material due to surface floods of ground water.
- 3. The Contractor will be required at his own expense to reprocess any sand or aggregates which may become segregated or contaminated due to improper stockpiling and lack of adequate protection as directed by the Engineer.
- 4. The Contractor shall conduct all stockpiling operations in such a manner as to deposit all materials directly in final position in the stockpiles and in layers of not more than 1.5 meter height. Sand and aggregates shall not be moved from place to place in the stockpiles except as superficial levelling may be necessary to provide suitable road-ways for trucks in placing successive layers, and the Contractor shall provide effective means to prevent breakage of aggregates caused by trucks operating over stockpiles. Dumping over the ends or sides of the stockpiles will not be permitted.

### C. Sand:

- 1. All natural sand required for the construction of the works shall be furnished by the Contractor and may be obtained from river deposits or other approved natural sources. If natural sand is obtained from sources not owned or controlled by the Employer, the Contractor shall make all necessary arrangements with the source owner and shall pay all rentals or other costs connected therewith.
- 2. **Samples:** The Contractor shall submit to the Engineer, for preliminary tests and approval of the material, a representative sample about 15km of natural sand proposed for use at least 14 days before use of such materials is required. Approval by the Engineer of sources of natural sand shall not be construed as constituting approval of all materials taken



from the sources, and the Contractor shall be responsible for the specified quality of all such materials used in the work.

3. The deposit of natural sand shall be cleared by the Contractor or all vegetation and other objectionable matters, and all unsuitable soil sand and gravel shall be removed. The deposit shall be developed and operated so as not to detract from the usefulness of the deposits. The materials shall be screened and washed as necessary to produce natural sand meeting the requirements set forth herein.
4. **Cleanliness and Quality:** Sand or fine aggregates shall be clean and free from clay lumps, soft and flaky particles, alkali, organic matter, loam, mica and injurious amounts of deleterious substances. The sum of percentages of all deleterious substances shall be sharp, cubical, hard and durable; Loss of fine aggregate subject to five cycles of sodium sulphate soundness test shall not exceed 5 percent.
5. **Fine Aggregates:**  
Fine aggregate shall be natural sand or sand derived by crushing gravel or stone and shall be free from coagulated lumps, sand derived from stone unsuitable for coarse aggregate shall not be used as fine aggregate. The following grading shall be taken for general guidance.

**Percentage Weight Passing B.S. Sieves**

<b>B.S. 410 Test Sieve</b>	<b>Grading Zone 2</b>
5.52 mm	100
4.76	91-100
2.40	75-100
1.20	55-90
1.60	35-59
0.30	8-30
0.15	0-10

6. All natural and blended sand will be subject to testing by the Engineer to determine whether the sand produced conforms to the requirements of the specification. The Contractor shall furnish, without charge, such assistance as the Engineer may require in obtaining representative samples for testing purposes and in inspecting plant facilities and operations of the Contractor. The Contractor shall at his expense furnish the Engineer with all the equipment needed in order to make above tests and analysis.

**D. Coarse Aggregate**

Coarse Aggregate shall be crushed or uncrushed gravel or crushed stone. The pieces shall be angular or rounded in shape and shall have granular or crystalline or smooth (but not glossy) non-powdery surfaced friable, flaky, and laminated piece mica and shall only be present in such quantities as not to affect adversely the strength and durability of the concrete. The



nominal sizes of the coarse aggregate shall be 38 mm to 5mm in structural Concrete and well graded to the satisfaction of the Engineer.

The coarse aggregates are required to conform to the specifications and if, when tested by the Engineer, they do not meet the specified grading requirements, the Contractor shall re-screen or process the materials, at his own cost, to the extent necessary to produce aggregates to the satisfaction of the Engineer.

The following grading shall be taken for general guidance percentage by weight passing 85 sieves.

<b>B.S. 410</b>	<b>Normal Size of graded aggregate</b>	
	<b>38 mm to 5 mm</b>	<b>19 mm to 5 mm</b>
76.20	100	0
63.05	0	0
38.10	95.00	100
19.5	30.00	95.00
12.70	0	0
19.50	10.35	22.55
4.66	0.5	0.10

### **2.3 BATCHING**

The Contractor shall provide such means and equipment as are required accurately to determine and control the amount of each separate ingredient entering the concrete mix. Such means and the equipment and its operation shall at all times be subject to approval of the Engineer. All dry materials entering the mixer shall be measured by weight or calibrated volume boxes.

### **2.4 MIXING**

- A. The concrete ingredients shall be mixed in a batch mixer or portable mixer for not less than 1 ½ minutes after all ingredients (except for the full amount of water) are in the mixer. The mixing time will be increased where the batch mixer exceeds a capacity of 1.5m<sup>3</sup>. The Engineer reserves the right to increase the mixing time when the charging and mixing operations fail to produce a concrete batch throughout which the ingredients are evenly distributed and consistency uniform. The concrete shall be uniform in composition and consistency from batch to batch except when changes in composition, consistency are required. Water shall be added prior to, during and following the mixer charger operations. Excessive over mixing requiring the addition of water to preserve the required concrete consistency will not be permitted.
- B. Hand mixing of concrete will not be permitted, except that the Engineer may approve such operations for small size concrete works upon request of the Contractor.
- C. Truck mixers will be permitted only when the mixers and their operation are such that the concrete throughout the mixed batch and from batch to batch is uniform with respect to consistency and grading. Any concrete retained in truck mixers so long as to require additional water to permit satisfactory placing shall be discarded at the expense of the Contractor.



- D. Any mixer that at any time produces unsatisfactory results shall be repaired. Mixers in centralized batch and mixing plants shall be arranged so that mixing action in the mixers can be observed from a location convenient to the mixing plant operator's station. Mixers shall not be loaded in excess of their rated, capacity unless specifically authorized. Each mixer of more than 0.3 m<sup>3</sup> capacity shall be equipped with a mechanical of the required mixing period and will count the batches.

## 2.5 FORMWORK (SHUTTERING AND CENTERING)

- A. Design and Material: Forms shall conform to the various shapes, lines, grades, and dimensions of the concrete structures as shown on the Drawings or as determined by the Engineer. The material to be used and the design of the forms shall be subject to approval by the Engineer before the construction of the forms is started; provided however that such approval will not relieve the Contractor from his responsibility for the adequacy of the forms for from his obligation to remedy and defects which may develop or become apparent with use of the forms. The engineer may at any time condemn any sections of forms found deficient in any respect, and the Contractor shall promptly remove the condemned forms from the work and replace them at his expense. Showing the general design and dimensions for forms for structures need not be submitted by the Contractor to the Engineer for approval unless the Engineer orders such submission.
- B. Form Constructions:**
1. Forms to confine the concrete and shape it to the required lines shall be used wherever necessary. Forms shall be of metal, of metal lined timber, plywood lining, tempered pressed wood lining, or of smooth planed boards, in good conditions as required to produce the surface finish specified herein.
  2. The surface of concrete exposed to view on completion of the works shall be fair faced. The forms for such surfaces may be made of metal and shall be true in every respect to required shape and size and shall be of sufficient strength and rigidity to maintain their position and shape under the loads and operations incident to placing and vibrating the concrete. All forms on waterway surfaces shall be planed and cleaned to eliminate marks in so far as it is practicable. Suitable and effective means shall be provided in the construction of forms for holding adjacent edges and ends of panels and sections tightly together and in accurate alignment so as to prevent the formation of ridge line offsets of similar surface defects in the finished concrete. Forms when erected shall be grout tight. Only in specific cases, where it requires smoothening the corners and curves, wooden forms shall be allowed upon the approval by the Engineer.
- C. Surface Treatment:** Adequate and suitable means for removing the form without injury to the surface of the finished concrete shall be provided. Before concrete is placed, the surface of the forms shall be oiled with commercial form oil that will effectively prevent sticking of the concrete to the forms and will not stain the concrete. Bond breaking materials

or processes shall be used only after approval by the Engineer. Care shall be taken in applying oil to avoid contact with reinforcing steel with resulting loss of bond.

- D. Chamfering:** Chamfer strips shall be placed in the corners so as to produce leveled edges on permanently exposed concrete surfaces. Interior angles on such surfaces and edges at formed joints will not require levelling unless requirement for levelling is so indicated on the Drawings.
- E. Centring:** Forms shall be properly secured in position so as to prevent floating or other movement during the placing of concrete. They may be supported during placement of concrete on concrete piers, metal pedestals or by other approved means. Form supports shall be carried to firm foundation so that no settlement of the forms will be possible during construction.

## 2.6 FABRICATION AND CLEANING REINFORCING STEEL

- A.** Reinforcement bars before being placed shall be free from loose mill scale rust, oil, grease and any coatings that will destroy or reduce the bond. When after placing there is delay in placing the concrete the steel bars shall be re-inspected and cleaned when required by the Engineer.
- B.** The steel bars shall be accurately bent and formed to the dimensions indicated on the Drawings included herein or on the approved reinforcing steel detail drawings.
- C.** The steel bars shall not be straightened or be bent in a manner that will injure the material. Bars with kinks or bends not shown on the Drawings shall not be used. All bars shall be bent cold. Heating of the bars for bending will be permitted only if the entire operation is approved by the Engineer.

## 2.7 PLACING OF REINFORCEMENT

- A. General:** Reinforcement bars shall be accurately positioned as shown on the Drawings, and secured against displacement by using iron wire ties or suitable clips at intersections, and shall be supported as required by concrete or metal supports for horizontal reinforcement shall be used so that there will be no sagging of the bars or mesh. Where portions of the supports will be exposed on concrete surfaces designed to receive a smooth finish the supports shall be made of non-corrodible metal.
- B. Cover:** The minimum concrete to reinforcement shall be 30mm or as specified by the Engineer but in no case will the minimum concrete cover be less than 1.5 bar diameters. Bars shall be bent and fixed with suitable spacers to ensure that the minimum cover is maintained. The ends of tying wires shall be bent inwards or cut off so as to have 30mm minimum concrete cover.
- C.** The minimum distance between parallel bars shall be 25mm, but in no case be less than 1.5 times the maximum size of the coarse concrete aggregate, unless particular instruction are given by the Engineer.

## 2.8 SPLICING



When it becomes necessary to splice reinforcement bars at points other than shown on the Drawings, the length of walls and columns the minimum overlaps of splices shall be thirty times the steel diameter and shall be subject to approval of the Engineer.

## 2.9 PREPARATIONS FOR PLACING OF CONCRETE

- A. No concrete shall be placed until all form work, reinforcement, installation of parts to be embedded, bracing of forms and preparation of surfaces necessary before placing have been approved by the Engineer. No concrete shall be placed in water without the written permission of the Engineer, and the method of depositing the concrete shall be subject to his approval. Concrete shall not be placed in running water until the concrete has sufficiently hardened. All surfaces of forms and embedded materials that have become encrusted with dried mortar or grout from concrete previously placed shall be cleaned of all such mortar or grout before the surrounding or adjacent concrete is placed.
- B. **Cleaning of Surface:** Immediately before placing concrete, all surfaces upon or against which the concrete is to be placed shall be free from standing water, mud, debris or loose material. The surfaces of absorptive materials against or upon which concrete is to be placed shall be moistened thoroughly so that moisture will not be drawn from the freshly placed concrete.
- C. **Blinding Course:** Where shown on the Drawings or where required by the Engineer the Contractor shall lay a blinding course of non structural concrete. The surface of the blinding course shall be finished to the dimensions shown on the Drawings and shall be dense and smooth. No concrete shall be placed on the blinding course until at least 24 hours after laying. No structural concrete shall be placed against the ground without either form work or blinding.
- D. **Construction Joint Surfaces:** Concrete surfaces upon or against which concrete is to be placed, and to which new concrete is to adhere, and which have become so rigid that the new concrete be incorporated integrally, are defined herein as construction joints". The surfaces of construction joints shall be clean and moistened when covered with fresh concrete or mortar. Cleaning shall consist of the removal of all loose or defective concrete coatings or foreign material. The surface of construction joints shall be cleaned by wet sandblasting, scraping, chipping or other approved methods and then washed thoroughly (e.g. with high pressure air-water jets) to the satisfaction of the Engineer immediately prior to placement of fresh concrete. All pools of water shall be removed from the surface of construction joints before placing of the following concrete layer.
- E. **Placing Equipment:** Concrete shall be compacted, except when the Engineer decides otherwise, with the help of concrete vibrators of approved type and capacity. Transporting concrete inside the forms with the help of vibrators will not be allowed. Before placing of any concrete the Contractor shall present to the Engineer for approval the list of all equipment available for the particular pour of concrete, including number capacity and the state of repair of the said equipment. The methods and equipment used for transporting

and placing of concrete will be such that concrete having the required composition and consistency will be delivered to and placed into the work, without objectionable segregation or loss of slump.

## **2.10 PLACING OF CONCRETE**

- A. Concrete shall be placed only in the presence of the Engineer or his authorized representative. After the surface has been prepared satisfactorily, surfaces or construction joints upon which new concrete is to be placed, shall be flushed with a coat or neat cement grout or covered with a layer of mortar approximately 3 cm thick. The mortar shall have the same proportion of cement and sand as the regular concrete mixture, unless otherwise directed. The water-cement ratio of the mortar shall be suitable for placing and working in the manner herein specified. The mortar shall be spread uniformly and shall be worked thoroughly into all irregularities of the surfaces. Concrete shall then be placed immediately upon the fresh mortar. In placing concrete against formed construction joint, special contact with the surface of the joints, by careful puddling and spading with the aid of suitable tools.
- B. Remembering of concrete will not be permitted. Any concrete which has become so stiff that proper placing cannot be assured shall be discarded and no payment will be made to the Contractor for such wasted concrete. Concrete shall be deposited in all cases as nearly as practicable directly in its final position and shall not flow in a manner to permitted or cause segregation. Excessive separation of coarse aggregates in concrete, caused by allowing the concrete to fall freely from too great a height or at too great an angle from the vertical, or to strike the forms or reinforcement steel will not be permitted and where such separation would otherwise occur, the Contractor shall provide suitable drop chutes and baffles to confine and control the falling concrete.
- C. Except as intercepted by joints, all formed concrete shall be placed in continuous horizontal layers, the depths of which generally shall not exceed 50 cm. The Engineer reserves the right to require lesser depths of layers where concrete in 50cm layers cannot be placed in accordance with the requirements of this specification. All intersections of construction joints with concrete surfaces which will be exposed to view shall be made straight and level or plumb, unless otherwise shown on the Drawings as ordered by the Engineer.
- D. Large Blocks: In placing Concrete in large thick exposed areas the Contractor shall maintain the exposed area of fresh concrete at the practicable minimum by first building up the concrete to full width of structures and to full height of the lift over a restricted area at one end of the structure and then continuing in similar progressive stages structure and then continuing in similar progressive stages to the full area of the structure. The slope formed by the unconfined edges of concrete shall be kept as steep as practicable in order to keep its area to a minimum. Concrete along these edges shall not be vibrated until adjacent concrete in the layer is placed except that it shall be vibrated immediately when conditions are such that the concrete will harden to the extent that later vibrations will not fully consolidate and integrate it with more recently placed adjacent concrete. Clusters of large aggregate shall be scattered before new concrete is placed over it. Once placement of concrete has commenced in a structure, placement shall not be interrupted, unless adequate construction joints can be made.
- E. Rain: Concrete shall not be placed during rains sufficiently heavy or prolonged to wash mortar from coarse aggregate on the slopes of the placement. During such rains mortar



should not be spread on construction joints and diluted mortar already spread shall be removed and replaced before continuing with the work.

- F. Buckets: Concrete buckets where used shall be capable of promptly discharging the low-slump concrete mixes specified and the dumping mechanism shall be designed to permit the discharged of as little as 0.35 m portions of the load in one place. Buckets shall be suitable for attachment to and use of drop chutes where required in confined locations.
- G. Concrete around Openings: If concrete is placed monolithically around openings, having vertical dimensions greater than 60 mm, and if concrete in decks, floor slabs, beams, girders or other similar parts of structures if placed monolithically with the concrete of structures, the following instructions shall be strictly observed;
1. Placing of concrete shall be delayed from one to three hours at the top of openings and at the bottom of bevels under decks, floor slabs, girders or other similar parts of structure member when bevels are not specified, but in no case shall placing be delayed so long that the vibrating unit will not readily penetrate of its own weight into concrete placed before the delay. When consolidating the concrete placed after the delay, the vibrating unit shall penetrate and vibrate the concrete placed before the delay.
  2. The last 60cm or more of concrete placed immediately before the delay shall be placed with as low slump as practicable and special care shall be exercised to effect through consolidation of the concrete.
  3. The surface of concrete where delays are made shall be clean and free from loose and foreign material when concrete is started after the delay.
  4. Concrete placed over openings and in decks, floors, beams, girders and other similar parts of structures shall be placed with as low a lump as practicable and special care shall be exercised to effect through consolidation of concrete.
- H. Consolidation: Each layer of concrete shall be consolidated to the maximum practicable density, so that it is free from pockets of aggregates and closes snugly against all surfaces of forms and embedded materials. In consolidating each layer of concrete the vibrating head of the vibrator shall be allowed to penetrate and reverberate the concrete in the upper portion of the underlying layer. All concrete for major structures shall be consolidated with electric or pneumatic power driven immersion type vibrators, operating at speeds of at least 7,000 revolutions per minute when immersed in the concrete. Hand consolidation, using slice bars, may be employed for minor structures at the Engineer's direction. Additional layers of concrete shall not be placed until the layers previously placed have been compacted thoroughly as specified. Equipment used for consolidating the concrete shall be subject to the approval of the Engineer.

## **2.11 TEMPERATURE OF CONCRETE**

The temperature of concrete when it is being placed shall not be more than 30°C. When the temperature range is between 27°C. and 32°C. the concrete shall be mixed at the job site and be placed immediately after mixing. If the weather conditions are such that the temperature rise above + 32°C the contractor shall take the necessary steps to keep the concrete temperature below that specified above (e.g. placing of concrete during the night)

## **2.12 REMOVAL OF FORMS**

- A. The time and method of removal and moving of forms shall be subject to approval by the Engineer, and this work shall be done with care so as to avoid injury to the concrete. No loading on "green" concrete will be permitted. As soon as the forms are removed, the surface of the concrete shall be carefully examined and any irregularities in the surface shall be immediately repaired to the satisfaction of the Engineer.
- B. In general, the minimum time between placing of the concrete and the removal of forms shall be two days for unloaded walls and other side forms, seven days for supporting walls and conduits, and 14 days for bridge decks.

## **2.13 CURING OF CONCRETE AND PROTECTION OF SURFACES**

- A. All concrete shall be cured by water or by white pigmented sealing compound, as hereinafter specified. The Engineer shall have the right to determine which type of curing shall be used by the Contractor in the different portions of the work in order to prevent damages.
- B. Concrete cured with water shall be kept wet for at least fourteen consecutive days immediately following placement, beginning as soon as the concrete has hardened sufficiently to prevent damage. Curing shall consist of covering the exposed concrete surfaces and the forms with water saturated material or a system of perforated pipes, mechanical sprinklers or porous hose, or by any other approved method which will keep all surface to be cured continuously (not periodically) wet. Water used for curing shall meet the requirements of the Specification for water used for mixing concrete.
- C. Exposed surfaces of all concrete, except surfaces of concrete coated with white pigmented sealing compound, shall be protected against direct access of sun rays for at least the first three days after placing. Such protection shall be made effective as soon as practicable after the removal of the forms. The Contractor shall protect all concrete against injury until final acceptance by the Engineer.

## **2.14 MEASUREMENT AND PAYMENT OF REINFORCED STEEL**

Measurement for payment for furnishing and placing reinforcement bars will be made only of the weight of the bars placed in the concrete in accordance with the Drawings or as directed by the Engineer. Payment for furnishing and placing reinforcement bars will be made at the Contract rate per kg in the Bill of Quantities, which contract rate shall include the cost of furnishing reinforcement bars, furnishing and attaching wire tied and metal supports of use, and of delivering unloading, hauling, storing, sorting, cutting bending, cleaning, placing and securing and maintaining in position all reinforcement bars as shown on the Drawings or as directed by Engineer. Payment for handling and Installing Employer



furnished Steel reinforcing Bars will be made at the unit price per kg quoted therefore in the Bill of Quantities which price shall include full compensation for furnishing labour, tools, equipment, and incidentals, and for doing all the work involved in handling, cutting, bending and placing the bar reinforcing steel, complete in place as shown or directed.

## **SECTION C: PROTECTION WORKS**

### **1 Stone Works**

#### **1.1 Materials**

##### **1.1.1 Stones**

Stones shall be procured from an approved source. The sources shall be the natural boulders from the rivers or from rock quarrying of granite, quartzite, or similar material having a minimum specific gravity of 2.5. The stones shall be free from seams and other defects, and shall be hard, sound and durable. Stones shall be the best available and shall be sound, durable, free from flaws and soft weathered or decomposed parts. The compressive strength shall not be less than 40 N/sq.mm. The stone and the source from which it is obtained shall be subject to approval of the Engineer before any of that material is brought to site.

Stones shall be hammer dressed to the size and shape as shown on the Drawings, or as required by the Engineer, to fit the size of the structure.

##### **1.1.2 Dry Stone/ Boulder Pitching**

Dry stone/boulder pitching shall be employed for upstream and downstream protection work of cross drainage structures, bridges, aqueducts and any other structures.

Stones/boulder for dry stone pitching shall comply with Sub-Clause 6.1.1.1 of these Specifications. Thickness of dry stone/boulder pitching shall be as shown on the Drawings, or as directed by the Engineer. Stones shall be tightly placed so that the gaps or voids among stones are reduced, as much as possible. The exposed surface shall be neatly combined and levelled so that no stone can be easily removed by humans, animals or water flow. Other requirements shall be as for wet stone pitching but with the omission of mortar.

##### **1.1.3 Rubble Boulder Apron / Rip Rap Stone**

Stone for the aprons shall be hard durable rock from approved sources. It shall be sound clean and free from impurities such as earth or decomposed rock and shall be graded such that not less than 60% of the rock fragments are greater than or equal to the nominal diameter of 0.60 as shown on the drawings.

### **1.2 Gabion Mattresses**

#### **1.2.1 Materials**

##### **1.2.1.1 Stones**

Stones used for filling gabion boxes shall comply with Sub-Clause 1.1.1.1. The smallest dimension of any stone shall be at least twice that of the longer dimension of the mesh of the box.



### **1.2.1.2 Gabion**

Gabions shall consist of steel wire mesh boxes. The steel wire shall be mild steel wire complying with IS 280-1978 or NS 169-2045. All wire used in the manufacture of the boxes, binding, and connecting wire shall be galvanised with a heavy coating of zinc by an electrolytic galvanising process. The weight of deposition of zinc shall be in accordance with IS 4826-1979 or NS 169-2045. Zinc coatings shall be uniform and at all points more than 25 mm from a cut end, the coating shall be able to withstand a minimum number of dips and adhesion tests specified as per IS 4826-1979. Tolerance on diameter of wire shall be  $\pm 2.5$  per cent.

#### **For Hand woven Gabion Boxes:**

The wire shall be woven into a double knotted square mesh of mesh size as given in Bill of Quantities. The tightness of the knotted joints shall be such that a force of 7 kN is required to pull on one wire to separate it from the other wire provided that each wire is prevented from turning and the whole process is done in one plane. All edges of the boxes shall be finished with a selvedge wire of at least 2 gauges heavier than the mesh wire. Gabions shall be manufactured in the box sizes as shown in the Drawings or as directed by the Engineer.

All boxes shall be supplied with binding and connecting wires of sufficient quantity to bind all diaphragms and closing edges.

### **1.2.2 General Requirements**

#### **6.2.2 General Requirements**

Before filling any gabion boxes and mattresses the Contractor shall also submit samples of gabion boxes and gabion mattresses assembled and erected, including filling, for approval, which when approved shall be retained for reference and comparison with the gabions built as part of the permanent Works. The size, type and location of the samples shall be as directed by the Engineer.

Gabion boxes/mattresses shall be assembled and erected; including filling in the dry prepared surfaces, except as may be otherwise approved. Approval for assembling and erecting gabions in water will be given only if, in the Engineer's opinion, such a method will produce work which is otherwise in accordance with the Specifications.

#### **1.2.2.1 Preparation of Foundation and Surface for Bedding**

The bed on which the gabion boxes/mattresses are to be laid prior to filling shall be at the levels shown on the Drawings with an even surface.

#### **1.2.2.2 Assembly**

Gabion boxes/mattresses shall be assembled on a hard flat surface. After fabrication or unpacking and unfolding, they shall be stretched out and any kinks removed. Creases shall be in the correct position for forming the box/mattress compartments. The side and end panels shall be folded into an upright position to form rectangular boxes or compartments. The top corners shall be joined together with the thick selvedge wires sticking out of the corners of each panel. The tops of all sides and partitions shall be levelled except as may be appropriate to special units. The sides and end panels shall be wired together using binding wire starting at the top of the panel by looping the wire through the corner and twisting the wires together. Binding shall continue by lacing the wire through each mesh and around both selvages, which shall be joined tightly together, with two round turns after every second mesh. Finally the end of



the wire shall be secured at the bottom corner and the end poked inside the unit. The binding wire shall be fixed using 250 mm long nose fencing pliers or equivalent approved tools..

### **1.2.2.3 Filling**

The boxes shall be placed in their final position before filling commences. They shall be stretched to their full dimensions and securely pegged to the ground or wired to adjacent gabions before filling. The vertical corners shall be kept square and to full dimensions by inserting a steel bar of at least 20 mm diameter at each vertical corner, maintaining it in the correct final position throughout the filling process, and removing it when the box is full. Before filling commences, the selvages of the box shall be bound to the selvages of adjacent boxes with binding wire.

Before filling with stones, gabions shall be anchored at one end or side and stretched from the opposite end by inserting temporary bars and levering them forward. The top and bottom shall be kept stretched by tensioning with tie wires attached to an anchor or equivalent approved method until the gabion has been filled. The gabions shall be inspected at this stage but before filling with stones to ensure that the tie wiring has been properly carried out and the gabion boxes/mattresses are not pulling apart.

The filling shall be carried out by placing individual stones into the gabion by hand in courses in such a manner that the stones are bedded on each other and bonded. No loose stones shall be tipped into the box and the practice of coursing and bonding the outer layer and filling the interior with unlaidd stones shall not be permitted.

All 1.0, 0.8, 0.75 m deep gabions shall be filled in three equal layers, and 0.6, 0.5, 0.45, 0.4 m deep gabions in two equal layers. Where the upper faces of gabion boxes are not covered with further gabions, vertical bracing wires shall be fitted between the top and bottom mesh using two tie wires per square meter of surface. The top layer of stones shall be placed with their flattest side uppermost to provide a small surface for placing the lid. The gabions shall be filled 25 mm above the top so that the lid can be tightly stretched over the stones.

### **1.2.2.4 Securing Lids**

The gabion box/mattress compartments shall be filled slightly overfull to allow for subsequent settlement. The lids shall then be laced down with binding, wire to the tops of all partition panels. The lids shall be stretched to fit the sides exactly, by means of a suitable tool, but due care shall be taken to ensure that the gabions are not so full that the lids are over-stretched. The corners shall be temporarily secured first. Gabion boxes/mattresses shall be laid so that the hinge of the lid is on the lower side of slopes and on the outer side in flat planes.

Where laid horizontally, hinges shall not be placed on the downstream side, and where practical shall be placed on the upstream side.

On completion, the boxes shall be completely and tightly filled, square, true to dimensions and the line and level shown on the Drawings

### 1.2.3 Testing

Zinc coating and diameter test of gabion wires shall be carried out by the Contractor as directed by the Engineer. Failure to comply with the Specifications shall lead to the rejection of gabion wires. Tests shall be carried out in accordance with IS 280 and IS 4826 on each lot of supply received at Site.

### 1.2.4 Measurement and Payment

Measurement for payment of gabion boxes/mattresses shall be made in place to the dimensions of the gabion boxes/mattresses shown on the Drawings, or approved by the Engineer. The payment shall be made by type at the unit rates per square meter of Item of the Bill of Quantity. In case of Hand woven gabion boxes, the payment shall be made at the unit rates per square meter of surface area of Relevant Item of Bill of Quantity. The unit rates shall include all costs supply of materials, wires and knitting of wire boxes/mattresses all complete, in accordance with these Specifications.

Measurement for payment of boulder filled in gabion boxes shall be made by volume to the lines and dimensions shown on the Drawings, or as directed by the Engineer. Payment for boulder filling shall be made at the unit rate per cubic metre of BOQ. The unit rate shall cover the cost of all boulder, labour, materials, equipment and tools, and operations required for the filling of boulder in gabion boxes.

## 1.3 Concrete Block Pitching

### 1.3.1 Materials

The concrete blocks for pitching shall be cast-in-situ to the sizes specified using concrete class M15.

The dimension of the blocks shall as shown on the drawings or such dimensions as ordered by the Engineer. The blocks shall be placed on a prepared gravel backing, 0.20m or 0.30m thick or as the Engineer directs otherwise, to a true and even surface with a gap of 10 mm between the blocks.

### 1.3.2 Measurement and Payment

Measurement for payment for concrete blocks for pitching shall be made in cubic meter of concrete blocks placed.

## 1.4 Geo-textiles

Geo-textile used for sub-surface drains shall be made of polyethylene or polypropylene or polyester or similar fibres, either woven or non-woven. Unless otherwise shown on the Drawing, the geo-textile shall:

- a. shall have tensile strength not less than 15 KN/m at break and have a minimum failure strain of 10 percent when determined in accordance with ISO: 10319
- b. shall have tensile elongation at maximum load MD/CD within 75%/35% in accordance with ISO: 10319
- c. have a minimum static puncture resistance (CBR test) of 2350 N when determined in accordance with ISO: 10319
- d. shall have apparent opening size O90 equivalent to 100µm in accordance with ISO: 12958.



- e. Shall have vertical permeability /water flow rate normal to the plane equivalent to of 85mm /s in accordance with ISO: 11058.
- f. shall have minimum thickness of 1.90mm
- g. shall have nominal mass per unit area of 200g/m<sup>2</sup>
- h. have a grab tensile strength of 1100 N when determined in accordance with ASTM D 4632.

The higher tensile strength alignment of the geo-textile should in cross sectional direction. Unless otherwise specified, the overlap between two pieces should be at least 0.30 m. The supplier shall provide a method statement detailing installation procedures. Prior to deliver material at site the supplier shall submit a representative geo-textile sample minimum 4.0 m<sup>2</sup>, to be retained by the engineer for purpose of comparative testing together with materials sampled from product delivered to site.

Payment for geo-textiles shall be made in the unit rate per square meter . The unit rate shall include the cost of material, furnishing, transporting cutting and installing of geo-textiles including its testing. No extra payment shall be made for the overlap between the geo-textile pieces and accessories.

### **For HDPE Pipes**

HDPE pipes should be NS certified standard. Joints of HDPE pipes should be made by electro-fusion methods or as directed by engineer.

The pipes shall be extruded from **HOSTALIN GM 5010 T.2** or equivalent approved compound consisting of virgin polythene as described in NS 40 in which carbon black and a suitable non-toxic anti-oxidant are evenly dispersed.

The Client may ask to the suppliers to produce certificate of evidence of the original raw materials used for producing pipes and also the evidence of these materials imported or purchased.

All materials shall be new and of the kinds and qualities described in the clauses hereof appropriate to the particular item and shall be at least equal to approved samples except that alternative materials may be accepted provided the Supplier has at the time of tendering:

- a) Drawn particular attention to the deviation from the Specification in his tender and provided particulars of the alternative material offered at the time of tendering; and
- b) Substantiated to the satisfaction of the Purchaser that the material offered is equal or superior to the material specified for the use to which it in to be put and has obtained from the Purchaser approval in writing to its use.
- c) Where materials to be used for any component have not been laid down in the Specification, the manufacturer shall use only those materials in such compositions as have been proven in actual service to be the most suitable for the particular purpose. All pipes shall be smooth, clean and free from all defects.

### **Laying and Jointing Pipes**

Arrangements for handling including lifting, loading, transporting, unloading from factory/yard and site as well as storage and lowering the pipes onto the bed shall be such that the pipes do not suffer any damage.

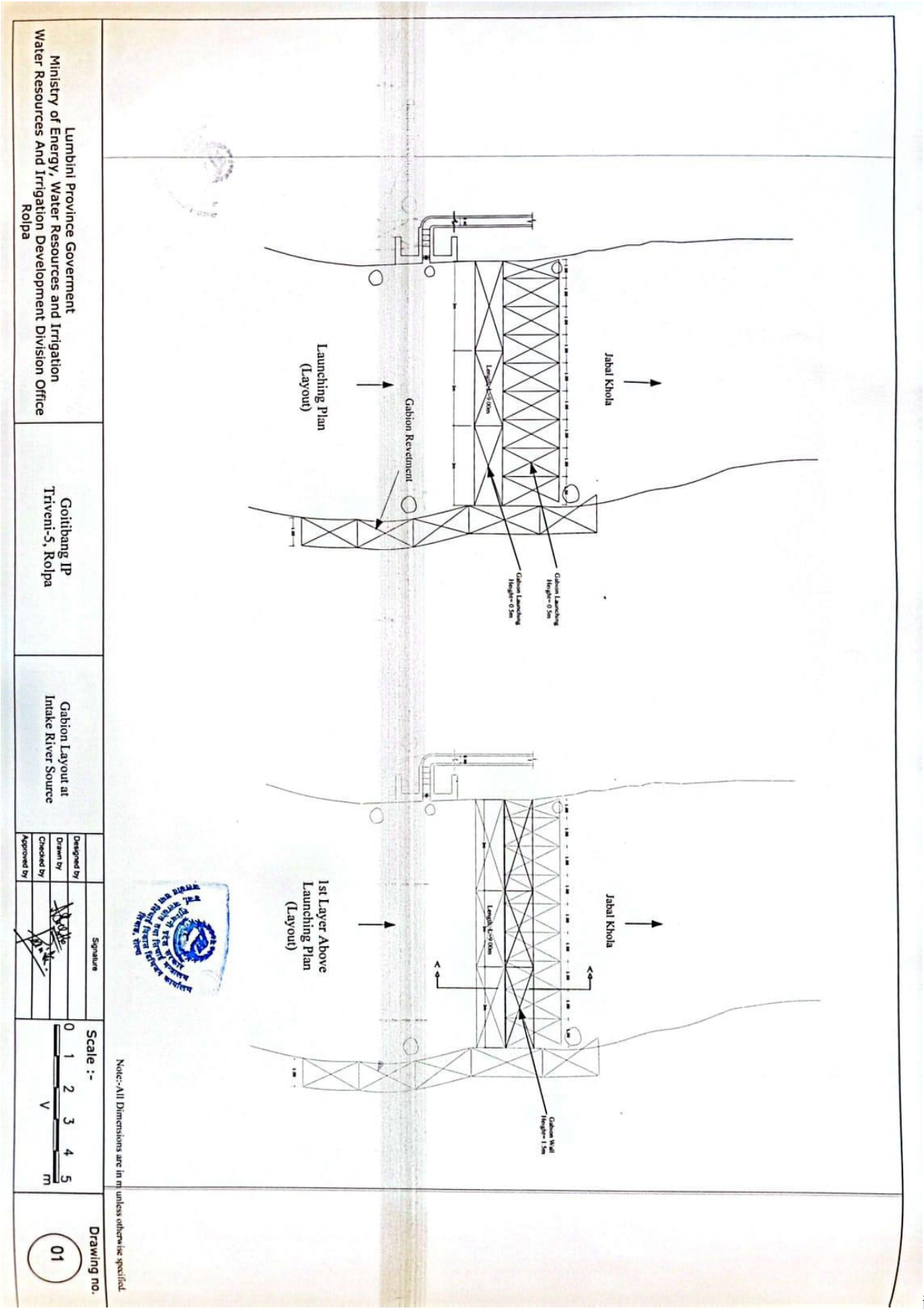
Pipes shall be laid so that each one is in contact with the bed throughout the length of the barrel. The pipes shall be laid closely against each other so as to obtain tight joints.

Joints shall be such that they do not permit entry of soil into the pipe. Perforated pipes shall be laid as shown the Drawings. The concrete pipes shall be joined by either collar joints or flush joints. In case of a collar joint, the collar shall be of reinforced cement concrete 150 to 200 mm wide, according to the diameter of the pipe, and having the same structural strength as the pipes to be jointed. Caulking space shall be between 13 to 19 mm according to the diameter of the pipe as specified by the relevant clause of NS or IS or ASTM Standard. Caulking material shall be a slightly wet mix of cement and sand in the ratio of 1:2 rammed with caulking irons. Before caulking, the collar shall be placed in such a way that its center coincides with the joint and an even annular space is left between the collar and the pipe. In case of flush joints, the ends of the pipes shall be spaced to form a self-centering joint with a 13 mm wide jointing space. The jointing space shall be filled with cement sand mortar in the ratio of 1:2. Care shall be taken to fill all voids and to see that any excess of cement mortar is neatly cleaned off while each joint is being made, and any earth, cement or other material thoroughly cleaned out of the pipes. All joints shall be made with care so that the interior surface is smooth and consistent with the interior surface of the pipes. After finishing, the joint shall be kept covered and damp for at least four (4) days. A properly fitted plug shall be well secured at the end of each pipe already laid and shall be removed only when the next pipe is being laid. The foundation shall be kept free from water until the joints are thoroughly set.

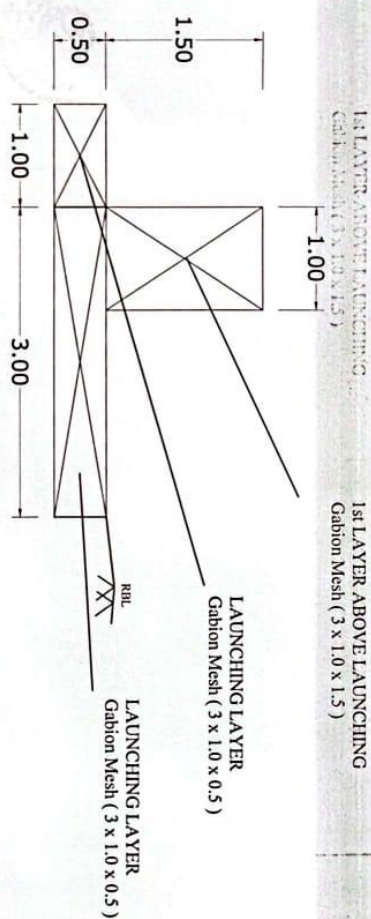
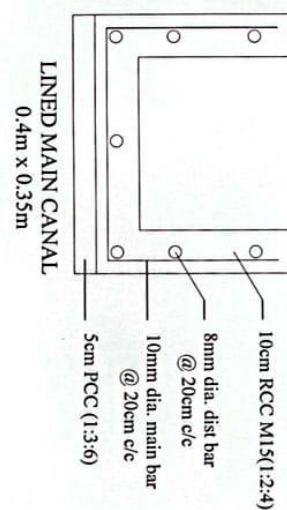
On completion, all pipelines, shall be flushed from end to end with water and left clean and free from obstructions.



## **Drawings**









Note: All Dimensions are in m unless otherwise specified.

### Canal & Gabion Sections

Signature	
Designed by	
Drawn by	
Checked by	
Approved by	

**Scale :-**

Drawing no.

02



## **Supplementary Information**

[insert supplementary information if any]



## **Personnel Requirements**

Using Form PER-1 and PER-2 in Section IV (Bidding Forms), the Bidder must demonstrate it has personnel that meet the following requirements:

<b>SN.</b>	<b>Position</b>	<b>Required No.</b>	<b>Academic Qualification</b> <i>[When position demands]</i>	<b>Total Work Experience</b> <b>[Years]</b>	<b>Experience in Similar Works</b> <b>[years]</b>
<b>1.</b>	<b>Civil Engineer</b>	<b>1</b>	<b>Bachelor in Civil Engineer</b>	<b>2 years</b>	<b>1 year</b>
<b>2.</b>	<b>Sub-engineer</b>	<b>1</b>	<b>Diploma in Civil engineering</b>	<b>2 years</b>	
<b>3.</b>					
<b>4.</b>					
<b>5.</b>					

## **Equipment Requirements**

Using Form EQU in Section IV (Bidding Forms), the Bidder must demonstrate it has the key equipment listed below:

No.	Equipment Type and Characteristics	Min. Number Requirement
1.	Needle Vibrator	1
2.	Concrete Mixer	1
3.		
4.		
5.		



## Section VI: Bill of Quantities<sup>9</sup>

### Notes for Unit Rate Contracts:

#### **Objectives**

*The objectives of the Bill of Quantities are*

- (a) to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and*
- (b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.*

*In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.*

#### **Content**

*The Bill of Quantities should be divided generally into the following sections:*

- (a) Preamble;*
- (b) Work Items (grouped into parts);*
- (c) Day works Schedule;*
- d) Provisional Sums; and*
- (d) Summary.*

#### **Preamble**

*The Preamble should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bill of Quantities and which are to be used for the measurement of any part of the works.*

#### **Work Items**

*The items in the Bill of Quantities should be grouped into sections to distinguish between those parts of the Works which by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, or phasing of the Works, or considerations of cost. General items common to all parts of the works may be grouped as a separate section in the Bill of Quantities.*

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<sup>9</sup>In lump sum contracts, delete “Bill of Quantities” and replace with “Schedule of Activities” throughout this section.

**Day work Schedule**

*A Day work Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Employer of the realism of rates quoted by the Bidders, the Day work Schedule should normally comprise the following:*

- (a) A list of the various classes of labour, materials, and Constructional Plant for which basic day work rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a day work basis.*
- (b) Nominal quantities for each item of Day work, to be priced by each Bidder at Day work rates as bid. The rate to be entered by the Bidder against each basic Day work item should include the Contractor's profit, overheads, supervision, and other charges.*

**Provisional Sums**

*Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Project Manager in accordance with the Conditions of Contract.*

**Summary**

*The Summary should contain a tabulation of the separate parts of the Bill of Quantities carried forward, with provisional sums for Day work, for physical (quantity) contingencies, and for price contingencies (upward price adjustment) where applicable.*



## Preamble of Bill of Quantities

### A. General

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Project Manager and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Project Manager may fix within the terms of the Contract.
3. For any item for which measurement is based on records made before or during construction the records shall be prepared and agreed between the Engineer and the Contractor. Should the Contractor carry out such work without the prior agreement of the Engineer, the Engineer may request the Contractor to carry out investigations to confirm the extent of the work and the quantity of work certified for payment shall be solely at the Engineer's discretion. The cost of any such investigation shall be borne by the Contractor.
4. The rates and prices bid in the priced Bill of Quantities shall, except as otherwise provided under the Contract, include all construction equipment, labor, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
5. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
6. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
7. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities. The Specification Clause references where given in the item description of the Bills of Quantities are for the convenience of bidders and generally refer to the principal relevant- specification clause but do not necessarily represent the whole of the specification requirements for the work required within the item. The presence of a Specification clause reference shall not in any way reduce the Bidders obligation to complete work in accordance with all the requirements of the Specification.
8. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Project Manager in accordance with the Conditions of Contract.
9. The method of measurement of completed work for payment shall be in accordance with the Specifications.

10. The abbreviations and symbols used in this Bill of Quantities are:*[Insert as applicable]*

## **B. Day work Schedule**

### **a) General**

1. Work shall not be executed on a day work basis except by written order of the Project Manager. Bidders shall enter basic rates for day work items in the Schedules. These rates shall apply to any quantity of day work ordered by the Project Manager. Nominal quantities have been indicated against each item of day work, and the extended total for day work shall, be carried forward as a Provisional Sum to the Summary Total Bid Amount. Unless otherwise adjusted, payments for day work shall be subject to price adjustment in accordance with the provisions in the Conditions of Contract.

### **b) Day work Labor**

1. In calculating payments due to the Contractor for the execution of day works, the hours for labor will be reckoned from the time of arrival of the labor at the job site to execute the particular item of day work to the time of departure from the job site, but excluding meal breaks and rest periods. Only the time of classes of labor directly doing work ordered by the Project Manager and are competent to perform such work will be measured. The time of gangers (charge hands) actually doing work with the gangs will also be measured but not the time of foremen or other supervisory personnel.
2. The Contractor shall be entitled to payment in respect of the total time that labor is employed on day work, calculated at the basis rates entered by it in the " SCHEDULE OF DAY WORK RATES: 1. LABOR". The rates for labor shall be deemed to cover all costs to the Contractor including (but not limited to) i) the amount of wages paid to such labor, transportation time, overtime, subsistence allowances, ii) any sums paid to or on behalf of such labor for social benefits in accordance with Nepal law, iii) Contractor's profit, overheads, superintendence, liabilities and insurance and iv) charges incidental to the foregoing.

### **c) Day work Equipment**

1. The Contractor shall be entitled to payments in respect of Constructional Plant already on site and employed on day work at the basis rental rates entered by him in the "SCHEDULE OF DAY WORK RATES:2 EQUIPMENT ". The said rates shall be deemed to include due and complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricant, and other consumables and all overhead, profit and administrative costs related to the use of such equipment. The cost of drivers, operators and assistants also shall be included in the rate of the equipment and no separately payment shall be made for it.
2. In calculating the payment due to the Contractor for Constructional Plant employed on day work, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Project Manager, the travelling time from the part of the Site where the Construction Plant was located when ordered by the Project Manager to be employed on day work and the time for return journey there to shall be included for payment.

### **d) Day work Materials**

1. The Contractor shall be entitled to payment in respect of materials used for day work (except for materials for which the cost is included in the percentage addition to labor costs as detailed heretofore), at the rates entered by him in the "SCHEDULE OF DAY WORK RATES: 3 MATERIALS" and shall be deemed to include overhead charges and profit as follows;
  - (i) the rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc. and shall provide for delivery to store for stockpiling at the Site.
  - (ii) the cost of hauling materials for use on work ordered to be carried out as day work, from the store or stockpile on the Site to the place where it is to be used also shall be include in the same rate.



### **Provisional Sums**

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Project Manager's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Employer to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.



## **Bill of Quantities**

**[Insert Bill of Quantities]**



## **Part III: CONDITIONS OF CONTRACT AND CONTRACT FORMS**

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## **Section VIII: General Conditions of Contract**

Water Resources and Irrigation Development Division Office,  
Rolpa

Construction of Intake, Canal and Canal Structures of Goitibang  
Irrigation Project, Triveni R.M.-05, Rolpa



## General Conditions of Contract

This Section provides the General Conditions of Contract that will apply to the Contract for which the Bidding document is issued.

A. General	
1. Definitions	<p>1.1 Boldface type is used to identify defined terms.</p> <p>(a) The <b>Accepted Contract Amount</b> means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.</p> <p>(b) The <b>Activity Schedule</b> is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works in a lump sum contract. It includes a lump sum price for each activity, which is used for valuations and for assessing the effects of Variations and Compensation Events.</p> <p>(c) <b>Bill of Quantities</b> means the priced and completed Bill of Quantities forming part of the Bid.</p> <p>(d) <b>Compensation Events</b> are those defined in GCC 50 hereunder.</p> <p>(e) The <b>Completion Date</b> is the date of completion of the Works as certified by the Project Manager, in accordance with GCC 68.1.</p> <p>(f) The <b>Contract</b> is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC 2.3 below.</p> <p>(g) The <b>Contractor</b> is the party whose Bid to carry out the Works has been accepted by the Employer.</p> <p>(h) The <b>Contractor's Bid</b> is the completed bidding document submitted by the Contractor to the Employer.</p> <p>(i) The <b>Contract Price</b> is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.</p> <p>(j) <b>Days</b> are calendar days; months are calendar-months.</p> <p>(k) <b>Dayworks</b> are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.</p> <p>(l) A <b>Defect</b> is any part of the Works not completed in accordance with the Contract.</p> <p>(m) The <b>Defects Liability Certificate</b> is the certificate issued by Project Manager upon correction of defects by the Contractor.</p> <p>(n) The <b>Defects Liability Period</b> is the period calculated from the Completion Date where the Contractor remains responsible for remedying defects.</p> <p>(o) <b>Drawings</b> include calculations and other information provided or approved by the Project Manager for the execution of the Contract.</p> <p>(p) The <b>Employer</b> is the party who employs the Contractor to carry out the Works, as specified in the SCC.</p> <p>(q) <b>Equipment</b> is the Contractor's machinery and vehicles brought temporarily</p>

to the Site to construct the Works.

(r) **Force Majeure** means an exceptional event or circumstance: which is beyond a Party's control; which such Party could not reasonably have provided against before entering into the Contract; which, having arisen, such Party could not reasonably have avoided or overcome; and, which is not substantially attributable to the other Party.

(s) The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

(t) **In writing** or **written** means hand written, type written, printed or electronically made, and resulting in permanent record.

(u) The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is **specified in the SCC**. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.

(v) **Letter of Acceptance** means the formal acceptance by the Employer of the Bid and denotes the formation of the contract at the date of acceptance.

(w) **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.

(x) **Party** means the Employer or the Contractor, as the context requires.

(y) **SCC** means Special Conditions of Contract

(aa) **Plant** is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.

(bb) The **Project Manager** is the person **named in the SCC** (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.

(cc) **Retention Money** means the aggregate of all monies retained by the Employer pursuant to GCC 54.1.

(dd) **Schedules** means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Bids, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

(ee) The **Site** is the area defined as such in the SCC

(ff) **Site Investigation Reports** are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.

(gg) **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

(hh) The **Start Date** is given in the **SCC**. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.

(ii) A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.

(jj) **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

(kk) A **Variation** is an instruction given by the Project Manager which varies the Works

(ll) The **Works** are what the Contract requires the Contractor to construct, install,



	and turn over to the Employer, as <b>defined in the SCC</b> .
2. Interpretation	<p>2.1 In interpreting these GCC, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager shall provide instructions clarifying queries about these GCC.</p> <p>2.2 If sectional completion is <b>specified in the SCC</b>, references in the GCC to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).</p> <p>2.3 The documents forming the Contract shall be interpreted in the following order of priority:</p> <ul style="list-style-type: none"> <li>(a) Contract Agreement,</li> <li>(b) Letter of Acceptance,</li> <li>(c) Letters of Technical Bid and Price Bid,</li> <li>(d) Special Conditions of Contract,</li> <li>(e) General Conditions of Contract,</li> <li>(f) Specifications,</li> <li>(g) Drawings,</li> <li>(h) Bill of Quantities (or Schedules of Prices for lump sum contracts), and</li> <li>(i) Any other document <b>listed in the SCC</b> as forming part of the Contract.</li> </ul>
3. Language and Law	<p>3.1 The language of the Contract and the law governing the Contract are <b>stated in the SCC</b>.</p> <p>1.2. Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in the Employer's country when</p> <ul style="list-style-type: none"> <li>(a) 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, or any payments to, a particular country, person, or entity. Where the borrower's country prohibits payments to a particular firm or for particular goods by such an act of compliance, that firm may be excluded.</li> </ul>
4. Contract Agreement	<p>4.1 The Parties shall enter into a Contract Agreement within 15 days after the Contractor receives the Letter of Acceptance, unless the Special Conditions establish otherwise. The Contract Agreement shall be based upon the attached Contract forms in Section X.</p>



5. Assignment	<p>5.1 Neither Party shall assign the whole or any part of the Contract or any benefit or interest in or under the Contract. However, either Party</p> <p>(a) may assign the whole or any part with the prior agreement of the other Party, at the sole discretion of such other Party; and</p> <p>(b) may, as security in favor of a bank or financial institution, assign its right to any moneys due, or to become due, under the Contract.</p>
6. Care and Supply of Documents	<p>6.1 The Specification and Drawings shall be in the custody and care of the Employer. Unless otherwise stated in the Contract, one copy of the Contract and of each subsequent Drawing shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor.</p>
	<p>6.2 Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Employer. Unless otherwise stated in the Contract, the Contractor shall supply to the Engineer six copies of each of the Contractor's Documents.</p>
	<p>6.3 The Contractor shall keep, on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Employer's Personnel shall have the right of access to all these documents at all reasonable times.</p>
	<p>6.4 If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, the Party shall promptly give notice to the other Party of such error or defect.</p>
7. Confidential Details	<p>7.1 The Contractor's and the Employer's Personnel shall disclose all such confidential and other information as may be reasonably required in order to verify the Contractor's compliance with the Contract and allow its proper implementation.</p>
	<p>7.2 Each of them shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to establish his qualifications to compete for other projects.</p>
	<p>7.3 Notwithstanding the above, the Contractor may furnish to its Subcontractor(s) such documents, data and other information it receives from the Employer to the extent required for the Subcontractor(s) to perform its work under the Contract, in which event the Contractor shall obtain from such Subcontractor(s) an undertaking of confidentiality similar to that imposed on the Contractor under this Clause.</p>
8. Compliance with Laws	<p>8.1 The Contractor shall, in performing the Contract, comply with applicable Laws.</p>
9. Joint and Several Liability	<p>9.1 If the Contractor is a joint venture of two or more entities, all such entities shall be jointly and severally liable to the Employer for the fulfillment of the provisions of the Contract, and shall designate one of such persons to act as a leader with authority to bind the joint venture. The contractor shall not handover the responsibility of the contract to any one member or some</p>



	members of Joint Venture or any other parties, not involved in the contract. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Employer.
10. Project Manager's Decisions	10.1 Except where otherwise specifically stated, the Project Manager shall decide contractual matters between the Employer and the Contractor in the role representing the Employer.
11. Delegation	11.1 The Project Manager may delegate any of his duties and responsibilities to other people after notifying the Contractor, and may cancel any delegation after notifying the Contractor.
12. Communications	12.1 Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.
13. Subcontracting	<p><b>13.1 For GoN Funded:</b></p> <p>A list of approved Subcontractors including its value/works is included as Article 2 (k) of contract Agreement Approval by the Employer for any of the Subcontractors shall not relieve the Contractor from any of its obligations, duties, or responsibilities under the contract.</p> <p><b>For DP Funded :</b></p> <p>The Contractor may subcontract with the approval of the Project Manager, but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations. Bidders may propose subcontracting up to the percentage of total value of contracts as <b>specified in the SCC</b>. The Sub contractor shall meet the qualification requirement as <b>specified in SCC</b>.</p>
14. Other Contractors	14.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, <b>as referred to in the SCC</b> . The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification
15 Personnel and Equipment	<p>15.1 The Contractor shall employ the key personnel and use the equipment identified in its Bid to carry out the Works, or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of key personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.</p> <p>15.2 If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.</p> <p>15.3 If the Employer, Project Manager, or Contractor determines, that any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or other prohibited practices during the</p>

	execution of the Works, then that employee shall be removed in accordance with Clause 15.2 above.
16. Employer's and Contractor's Risk	16.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.
17. Employer's Risks	<p>17.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Employer's risks:</p> <ul style="list-style-type: none"> <li>(a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to <ul style="list-style-type: none"> <li>(i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or</li> <li>(ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.</li> </ul> </li> <li>(b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.</li> </ul> <p>17.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to</p> <ul style="list-style-type: none"> <li>(a) a Defect which existed on the Completion Date,</li> <li>(b) an event occurring before the Completion Date, which was not itself an Employer's risk, or</li> <li>(c) the activities of the Contractor on the Site after the Completion Date.</li> </ul>
18. Contractor's Risks	18.1 From the Starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.
19. Insurance	<p>19.1 The Contractor shall provide insurance in the joint names of the Employer and the Contractor from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles <b>stated in the SCC</b> for the following events which are due to the Contractor's risks:</p> <ul style="list-style-type: none"> <li>(a) loss of or damage to the Works, Plant, and Materials;</li> <li>(b) loss of or damage to Equipment;</li> <li>(c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and</li> <li>(d) Personal injury or death.</li> </ul> <p>19.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation to be payable in the proportions of Nepalese Rupees required to rectify the loss or damage incurred.</p> <p>19.3 If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor</p>



	<p>should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.</p> <p>19.4 Alterations to the terms of insurance shall not be made without the approval of the Project Manager.</p> <p>19.5 Both parties shall comply with any conditions of the insurance policies.</p>
20. Site Investigation Reports	20.1 The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to <b>in the SCC</b> , supplemented by any information available to the Contractor.
21. Contractor to Construct the Works	21.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings.
22. The Works to Be Completed within intended Completion Date	22.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them within the intended Completion Date.
23. Design by contractor and Approval by the Project Manager	<p>23.1 The contractor shall be responsible for the design of permanent works as <b>specified in SCC</b>.</p> <p>23.2 Contractor shall be responsible for design of the Temporary Works. The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, for his approval.</p> <p>23.3 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, shall be subject to prior approval by the Project Manager before their use.</p> <p>23.4 The Project Manager's approval shall not alter the Contractor's responsibility for design of temporary works.</p>
24. Safety, Security and Protection of the Environment	<p>24.1 The Contractor shall, throughout the execution, and completion of the works and remedying of any defects therein:</p> <ol style="list-style-type: none"> <li>Have full regard for the safety of all persons entitled to be upon the site and keep the site (so as the same is under his control) and the works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons.</li> <li>Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when necessary or required by the Project Manager or by any duly constituted authority, for the protection of the Works of for the safety and convenience of the public or others.</li> <li>Take all reasonable steps to protect the environment on and off the site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.</li> <li>Ensure that any cut or fill slopes are planted in grass or other plant cover as soon as possible to protect them from erosion.</li> </ol>

	<p>e. Any spoil or material removed from drains shall be disposed of to designated stable tipping areas as directed by the Project Manager.</p> <p>f. Shall not use fuel wood as a means of heating during the processing or preparation of any materials forming part of the works.</p> <p>g. The Project Manager shall have the power to disallow any working practice or activity of the Contractor or direct that such practices or activities be modified should the Project Manager consider, on the advice of the relevant Government Departments, that the practices or activities will be harmful to wildlife.</p> <p>h. Provide on the Site such lifesaving apparatus as may be appropriate and an adequate and easily accessible first aid outfit or such outfits as may be required by any government ordinance, factory act, etc., subsequently published and amended from time to time.</p>
25. Discoveries	25.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the employer. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.
26. Possession of the Site	26.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date <b>stated in the SCC</b> , the Employer shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.
27. Access to the Site	27.1 The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
28. Instructions, Inspections and Audits	<p>28.1 The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.</p> <p>28.2 The Contractor shall keep, and shall make all reasonable efforts to cause its Subcontractors and sub consultants to keep accurate and systematic accounts and records in respect of the Works in such form and details as will clearly identify relevant time changes and costs.</p> <p>28.3 The Contractor shall permit the GoN/DP and/or persons appointed by the GoN/DP to inspect the Site and/or the accounts and records of the Contractor and its sub-contractors relating to the performance of the Contract, and to have such accounts and records audited by auditors appointed by the GoN/DP if required by the GoN/DP. The Contractor's attention is drawn to Sub-Clause 73.2 which provides, inter alia, that acts intended to materially impede the exercise of the GoN's/DP's inspection and audit rights provided for under this Sub-Clause constitute a obstructive practice subject to contract termination.</p>
29. Dispute Settlement	<p>29.1 The Employer and the Contractor shall attempt to settle amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.</p> <p>29.2 Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party's request for such amicable settlement may be referred to Arbitration within 30 days after the expiration of amicable settlement period.</p>
30. Procedures for	30.1 In case of arbitration, the arbitration shall be conducted in accordance with the arbitration procedures in accordance with law of Nepal at the place within the



Disputes	territory of Nepal <b>given in the SCC.</b>
<b>B. Staff and Labor</b>	
31. Forced Labor	31.1 The Contractor shall not employ forced labor, which consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty. This covers any kind of involuntary or compulsory labor, such as indentured labor, bonded labor, or similar labor–contracting arrangements.
32. Child Labor	32.1 The Contractor shall not employ children in a manner that is economically exploitative, or is likely to be hazardous, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development. Where national laws have provisions for employment of minors, the Contractor shall follow those laws applicable to the Contractor. Children below the age of 18 years shall not be employed in dangerous work.
33.Non-discrimination and Equal Opportunity	34.1 The Contractor shall not make employment decisions on the basis of personal characteristics unrelated to inherent job requirements. The Contractor shall base the employment relationship on the principle of equal opportunity and fair treatment, and shall not discriminate with respect to aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, promotion, termination of employment or retirement, and discipline. In countries where national law provides for non-discrimination in employment, the Contractor shall comply with national law. When national laws are silent on nondiscrimination in employment, the Contractor shall meet this Sub clause's requirements. Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on the inherent requirements of the job shall not be deemed discrimination.
<b>B. Time Control</b>	
34. Program	<p>34.1 Within the time <b>stated in the SCC</b>, after the date of the Letter of Acceptance, the Contractor shall submit to the Project Manager for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works. In the case of a lump sum contract, the activities in the Program shall be consistent with those in the Activity Schedule.</p> <p>34.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.</p> <p>34.3 The Contractor shall submit to the Project Manager for approval an updated Program at intervals no longer than the period <b>stated in the SCC</b>. If the Contractor does not submit an updated Program within this period, the Project Manager may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted. In the case of a lump sum contract, the Contractor shall Provide an updated Activity Schedule within 15 days of being instructed to by the Project Manager.</p>

	<p>34.4 The Project Manager's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager again at any time. A revised Program shall show the effect of Variations and Compensation Events.</p>
35. Extension of the Intended Completion Date	<p>35.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.</p> <p>35.2 The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information at least 21 days prior to the intended completion date. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date. Along with full supporting information the contractor shall also submit Performance Security, Advanced Payment Guarantee and insurance Policy with extended validity as well as revised work schedule.</p>
36. Acceleration	<p>36.1 When the Employer wants the Contractor to finish before the Intended Completion Date, the Project Manager shall obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Employer and the Contractor.</p> <p>36.2 If the Contractor's priced proposals for acceleration are accepted by the Employer, they are incorporated in the Contract Price and treated as a Variation.</p>
37. Delays Ordered by the Project Manager	<p>37.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.</p>
38. Management Meetings	<p>38.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.</p> <p>38.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.</p>
39. Early Warning	<p>39.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.</p> <p>39.2 The Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager.</p>



<b>C. Quality Control</b>	
40. Identifying Defects	40.1 The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.
41. Tests	41.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event.
42. Correction of Defects	<p>42.1 The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at <u>issuance of taking over certificate pursuant to clause 69.2</u>, and is <b>defined in the SCC</b>. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.</p> <p>42.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice.</p>
43. Uncorrected Defects	43.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.
<b>D. Cost Control</b>	
44. Contract Price	<p>44.1 In the case of a Unit Rate contract, the Bill of Quantities shall contain priced items for the Works to be performed by the Contractor. The Bill of Quantities is used to calculate the Contract Price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item.</p> <p>44.2 In the case of a lump sum contract, the Activity Schedule shall contain the priced activities for the Works to be performed by the Contractor. The Activity Schedule is used to monitor and control the performance of activities on which basis the Contractor will be paid. If payment for Materials on Site shall be made separately, the Contractor shall show delivery of Materials to the Site separately on the Activity Schedule.</p>
45. Changes in the Contract Price	<p>45.1 In the case of an Unit Rate contract:</p> <p>(a) If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 2 percent of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change.</p> <p>(b) The Project Manager shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 10 percent, except with the prior approval of the Employer.</p> <p>(c) If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of</p>



	<p>Quantities.</p> <p>45.2 In the case of a lump sum contract, the Activity Schedule shall be amended by the Contractor to accommodate changes of Program or method of working made at the Contractor's own discretion. Prices in the Activity Schedule shall not be altered when the Contractor makes such changes to the Activity Schedule.</p>
46. Variations	<p>46.1 All Variations shall be included in updated Programs, and, in the case of a lump sum contract, also in the Activity Schedule, produced by the Contractor.</p> <p>46.2 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.</p> <p>46.3 If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.</p> <p>46.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.</p> <p>46.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.</p> <p>46.6 In the case of an Unit Rate contract, if the work in the Variation corresponds to an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work above the limit stated in <b>GCC 45.1</b> or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.</p>
47. Cash Flow Forecasts	<p>47.1 When the Program, or, in the case of a lump sum contract, the Activity Schedule, is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast.</p>



<p>48. Payment Certificates</p>	<p>48.1 The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.</p> <p>48.2 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor within 30 days of submission by contractor.</p> <p>48.3 The value of work executed shall be determined by the Project Manager.</p> <p>48.4 The value of work executed shall comprise:</p> <ul style="list-style-type: none"> <li>(a) In the case of an Unit Rate contract, the value of the quantities of work in the Bill of Quantities that have been completed; or</li> <li>(b) In the case of a lump sum contract, the value of work executed shall comprise the value of completed activities in the Activity Schedule.</li> </ul> <p>48.5 The value of work executed shall include the valuation of Variations and Compensation Events.</p> <p>48.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.</p>
<p>49. Payments</p>	<p>49.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 30 days of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest as <b>indicated in the SCC</b> on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made.</p> <p>49.2 If an amount certified is increased in a later certificate or as a result of an award by an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.</p> <p>49.3 Items of the Works for which no rate or price has been entered in BOQ shall not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.</p>
<p>50. Compensation Events</p>	<p>50.1 The following shall be Compensation Events:</p> <ul style="list-style-type: none"> <li>(a) The Employer does not give access to a part of the Site by the Site Possession Date pursuant to GCC 26.1.</li> <li>(b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.</li> <li>(c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.</li> </ul>

	<p>(d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.</p> <p>(e) The Project Manager unreasonably does not approve a subcontract to be let.</p> <p>(f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.</p> <p>(g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.</p> <p>(h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.</p> <p>(i) The advance payment is delayed.</p> <p>(j) The effects on the Contractor of any of the Employer's Risks.</p> <p>(k) The Project Manager unreasonably delays issuing a Certificate of Completion.</p> <p>50.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.</p> <p>50.3 As soon as information demonstrating effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager shall assume that the Contractor shall react competently and promptly to the event.</p> <p>50.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning or not having cooperated with the Project Manager.</p>
51. Tax	<p>51.1 The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 30 days before the submission of bids for the Contract and the date of the last Completion certificate. The adjustment shall be the change in the amount of tax payable by the Contractor, provided such changes are not already reflected in the Contract Price or are a result of GCC 53.</p>
52. Currency	<p>52.1 The currency of Contracts shall be Nepalese Rupees.</p>
53. Price Adjustment	<p>53.1 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for <b>in the SCC</b>. If so provided, the amounts certified in each payment certificate, before deducting for Advance Payment, shall be adjusted by applying the</p>



	<p>respective price adjustment factor to the payment amounts due.</p> <p>53.2 Adjustment Formulae<sup>10</sup>: The formulae will be of the following general type:</p> $pn = A + b \frac{Ln}{Lo} + c \frac{Mn}{Mo} + d \frac{En}{Eo} + etc.$ <p>Where:</p> <p><i>pn</i> is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Clause 49;</p> <p><i>A</i> is a constant, specified in the Bidding Forms- Table of Price Adjustment data, representing the nonadjustable portion in contractual payments;<sup>11</sup> <i>b</i>, <i>c</i>, <i>d</i>, etc., coefficients representing the estimated proportion of each cost element (labor, materials, equipment usage, etc.) in the Works or sections thereof, net of Provisional Sums, <b>as specified in the SCC</b>;</p> <p><i>Ln</i>, <i>Mn</i>, <i>En</i>, etc., are the current cost indices or reference prices of the cost elements for month “n,” determined pursuant to Sub-Clause 53.4, applicable to each cost element; and</p> <p><i>Lo</i>, <i>Mo</i>, <i>Eo</i>, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 53.4</p>
	<p>53.3 Sources of Indices and Weightings: The sources of indices shall be those listed in the Bidding Forms- Table of Price Adjustment data, as approved by the Project Manager and stated in SCC. Indices shall be appropriate for their purpose and shall relate to the Contractor’s proposed source of supply of inputs on the basis of which his Contract shall have been computed. As the proposed basis for price adjustment, the Contractor shall have submitted with his bid the tabulation of Weightings and Source of Indices in the Bidding Forms, which shall be subject to approval by the Project Manager.</p> <p>53.4 Base, Current and Provisional Indices: The base cost indices or prices shall be those prevailing on the day 30 days prior to the latest date for submission of bids. Current indices or prices shall be those prevailing on the day 30 days prior to the last day of the period to which a particular Interim Payment Certificate is related. If at any time the current indices are not available, provisional indices as determined by the Project Manager will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.</p> <p>53.5 Weightings: The weightings for each of the factors of cost given in the Bidding Forms shall be adjusted if, in the opinion of the Project Manager, they have</p>

<sup>10</sup> For complex Works involving several types of construction work with different inputs, a family of Formulae will be necessary. The various items of Day work may also require different formulae, depending on the nature and source of the inputs

<sup>11</sup> Insert a figure for factor *A* only where there is a part of the Contractors’ expenditures which will not be subject to fluctuation in cost or to compensate for the unreliability of some indices. *A* should normally be 0.15. The sum of *A*, *b*, *c*, *d*, etc., should be one.

	<p>been rendered unreasonable, unbalanced or inapplicable as a result of varied or additional work already executed or instructed under Clause 46 or for any other reason.</p>
	<p>53.6 Where, price adjustment provision is not applicable pursuant to Sub-clause 53.1 then the Contract is subject to price adjustment only for construction material in accordance with this clause. If the prices of the construction materials stated in the contract is increased or decreased in an unexpected manner in excess of ten (10%) percent in comparison to the base price construction material stated in Section –IV, Bidding Forms-Table of Price Adjustment Data, then the price adjustment for the increase or decrease of price of the construction material beyond 10% shall be made by applying the following formulas:</p> <p>For unexpected increase in price</p> $P = [R_1 - (R_0 \times 1.10)] \times Q$ <p>For unexpected decrease in price P</p> $= [R_1 - (R_0 \times 0.90)] \times Q$ <p>Where:</p> <p>“P” is price adjustment amount</p> <p>“R<sub>1</sub>” is the present price of the construction material (Source of indices shall be those listed in the Bidding forms)</p> <p>“R<sub>0</sub>” is the base price of the construction material</p> <p>“Q” is quantity of the construction material consumed in construction during the period of price adjustment consideration If the Base price and source is to be proposed by the Bidder as per the provision made in Section –IV, Bidding Forms-Table of Price Adjustment Data then the Base price and source filled by Bidder for the construction material stated in the Bidding Form shall be subject to the approval of the Project manager and shall be as <b>stated in SCC..</b></p> <p>53.7 The Price Adjustment amount shall be limited to a maximum of the initial Contract Amount <b>as specified in the SCC.</b></p> <p>53.8 The Price Adjustment provision shall not be applicable for delayed period if the contract is not completed in time due to the delay caused by the contractor or the contract is a Lump sum Contract</p>
54. Retention	<p>54.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the SCC until Completion of the whole of the Works.</p> <p>54.2 Upon the issue of a Defects Liability Certificate by the Project Manager, <b>in accordance with GCC 70.1</b>, half the total amount retained shall be repaid to the Contractor and half when the Contractor has submitted the evidence of submission of tax return to the concerned Internal Revenue Office.</p> <p>54.3 The Contractor may substitute retention money with an unconditional bank guarantee issued from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law if:</p> <p>(a) at least eighty (80) percent of the whole works have been completed,</p> <p>(b) progress of the works is satisfactory in accordance with the Contract as per approved work schedule, and</p>



	<p>(c) it can be assured that the works can be completed at the intended completion date.</p> <p>54.4 If retention money is substituted by bank guarantee in accordance with clause 54.2, the bank guarantee shall be submitted either using the Retention Money Security Form included in Section X (Contract Forms) or in another Form acceptable to the employer. The validity of the bank guarantee shall be at least one month more than the end of defect liability period.</p>
55. Liquidated Damages	<p>55.1 The Contractor shall pay liquidated damages to the Employer at the rate per day <b>stated in the SCC</b> for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount <b>defined in the SCC</b>. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.</p> <p>55.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in GCC.49</p>
56. Bonus	<p>56.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day <b>stated in the SCC</b> for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete.</p>
57. Advance Payment	<p>57.1 The Employer shall make advance payment to the Contractor of the amounts stated in the SCC in two equal installments by the date <b>stated in the SCC</b>, against provision by the Contractor of an unconditional bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal in a form acceptable to the Employer in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest shall not be charged on the advance payment.</p> <p>57.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.</p> <p>57.3 The advance payment shall be repaid by deducting proportionate amounts, <b>as stated in SCC</b>, from payments otherwise due Contractor, following the schedule of completed percentages of the Works on a payment basis. No</p>

	account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.
58. Securities	<p>58.1 The Performance Security, including any additional security required as per ITB 35.5 and ITB 40.1, shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount <b>specified in the SCC</b>, by a Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal acceptable to the Employer, and denominated in Nepalese Rupees. The Performance Security shall be valid until a date 30 days from the date of issue of the Defect Liability Certificate in the case of a bank guarantee.</p> <p>Any additional performance security required as per ITB 35.5 shall be valid until a date 30 days from the date of issue of the certificate of Completion in the case of a bank guarantee.</p> <p>Any additional performance security required as per ITB 40.1 shall be valid until a date 30 days from the date of issue of the certificate of DLP in the case of a bank guarantee.</p> <p>58.2 The performance security issued by any foreign Bank outside Nepal must be counter guaranteed by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.</p>
59. Dayworks	<p>59.1 If applicable, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.</p> <p>59.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the work being done.</p> <p>59.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.</p>
60. Cost of Repairs	<p>60.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.</p>
<b>F. Force Majeure</b>	
61. Definition of Force Majeure	<p>61.1 In this Clause, "Force Majeure" means an exceptional event or circumstance,</p> <ul style="list-style-type: none"> <li>(a) which is beyond a Party's control;</li> <li>(b) which such Party could not reasonably have provided against before entering into the Contract;</li> <li>(c) which, having arisen, such Party could not reasonably have avoided or overcome; and</li> <li>(d) which is not substantially attributable to the other Party.</li> </ul>
	<p>61.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:</p> <ul style="list-style-type: none"> <li>(a) war, hostilities (whether war be declared or not), invasion, act of</li> </ul>



	<p>foreign enemies;</p> <p>(b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war;</p> <p>(c) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel;</p> <p>(d) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity; and</p> <p>(e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.</p>
62. Notice of Force Majeure	<p>62.1 If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented. The notice shall be given within 14 days after the Party became aware, or should have become aware, of the relevant event or circumstance constituting Force Majeure.</p> <p>62.2 The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them.</p> <p>62.3 Notwithstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either Party to make payments to the other Party under the Contract.</p>
63. Duty to Minimize Delay	<p>63.1 Each Party shall at all times use all reasonable endeavors to minimize any delay in the performance of the Contract as a result of Force Majeure.</p> <p>63.2 A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.</p>
64. Consequences of Force Majeure	<p>64.1 If the Contractor is prevented from performing its substantial obligations under the Contract by Force Majeure of which notice has been given under GCC 62, and suffers delay and/or incurs Cost by reason of such Force Majeure, the Contractor shall be entitled subject to GCC 30 to</p> <p>(a) an extension of time for any such delay, if completion is or will be delayed, under GCC35 ; and</p> <p>(b) if the event or circumstance is of the kind described in sub-paragraphs (a) to (d) of GCC 61.2 and, in the case of subparagraphs (b) to (d), occurs in the Country, payment of any such Cost, including the costs of rectifying or replacing the Works and/or Goods damaged or destructed</p>



	<p>by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in GCC 19.</p>
	<p>64.2 After receiving this notice, the Project Manager shall proceed in accordance with GCC 10 to agree or determine these matters.</p>
65. Force Majeure Affecting Subcontractor	<p>65.1 If any Subcontractor is entitled under any contract or agreement relating to the Works to relief from force majeure on terms additional to or broader than those specified in this Clause, such additional or broader force majeure events or circumstances shall not excuse the Contractor's nonperformance or entitle him to relief under this Clause.</p>
66. Optional Termination, Payment and Release	<p>66.1 If the execution of substantially all the Works in progress is prevented for a continuous period of 90 days by reason of Force Majeure of which notice has been given under GCC 62, or for multiple periods which total more than 150 days due to the same notified Force Majeure, then either Party may give to the other Party a notice of termination of the Contract. In this event, the termination shall take effect 7 days after the notice is given, and the Contractor shall proceed in accordance with GCC 72.5.</p> <p>66.2 Upon such termination, the Project Manager shall determine the value of the work done and issue a Payment Certificate, which shall include</p> <ul style="list-style-type: none"> <li>(a) the amounts payable for any work carried out for which a price is stated in the Contract;</li> <li>(b) the Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Employer when paid for by the Employer, and the Contractor shall place the same at the Employer's disposal;</li> <li>(c) other Costs or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works;</li> <li>(d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost); and</li> <li>(e) the Cost of repatriation of the Contractor's staff and labor employed wholly in connection with the Works at the date of termination.</li> </ul>
67. Release from Performance	<p>67.1 Notwithstanding any other provision of this Clause, if any event or circumstance outside the control of the Parties (including, but not limited to, Force Majeure) arises, which makes it impossible or unlawful for either or both Parties to fulfill its or their contractual obligations or which, under the law governing the Contract, entitles the Parties to be released from further performance of the Contract, then upon notice by either Party to the other Party of such event or circumstance,</p> <ul style="list-style-type: none"> <li>(a) the Parties shall be discharged from further performance, without prejudice to the rights of either Party in respect of any previous breach of the Contract; and</li> </ul>



	(b) the sum payable by the Employer to the Contractor shall be the same as would have been payable under GCC 66 if the Contract had been terminated under GCC 66.
<b>G. Finishing the Contract</b>	
68. Completion	<p>68.1 The Contractor shall request the Project Manager to issue a certificate of Completion of the Works, and the Project Manager shall do so upon deciding that the work is completed.</p> <p>68.2 In addition to the other provisions, before acceptance of the completed works, Employer shall verify and assure that such works are within the set objective, quality and appropriate to operate and use.</p>
69. Taking Over	<p>69.1 In the contractor's Opinion, if the works are complete and ready for taking over, the contractor may apply by notice to the Project Manager for a Taking-Over Certificate. If the Works are divided into Sections, the Contractor may similarly apply for a Taking-Over Certificate for each Section.</p> <p>69.2 The Project Manager shall, within 30 days after receiving the Contractor's application:</p> <p>(a) issue the Taking-Over Certificate to the Contractor if physical progress of works is at least ninety (90) percent in accordance with the Contract except for any minor outstanding work and defects (as listed in the Taking-Over Certificate) which will not substantially affect the use of the Works or Section for their intended purpose (either until or whilst this work is completed and these defects are remedied); or</p> <p>(b) reject the application, giving reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued. The Contractor shall then complete this work before issuing a further notice under this Sub-Clause.</p> <p>69.3 If the Engineer fails either to issue the Taking-Over Certificate or to reject the Contractor's application within the period of 30 days, and if the Works or Section (as the case may be) are substantially completed in accordance with the Contract, the Taking-Over Certificate shall be deemed to have been issued on the last day of that period.</p>
70. Final Account	<p>70.1 The Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 60 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within 60 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a payment certificate.</p>
71. Operating and Maintenance	<p>71.1 If "as built" Drawings and/or operating and maintenance manuals are required,</p>

Manuals	<p>the Contractor shall supply them by the <b>dates stated in the SCC</b>.</p> <p>71.2 If the Contractor does not supply the Drawings and/or manuals by the dates <b>stated in the SCC</b> pursuant to <b>GCC 71.1</b>, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount <b>stated in the SCC</b> from payments due to the Contractor.</p>
72. Termination	<p>72.1 The Employer may terminate the Contract at any time if the contractor;</p> <ul style="list-style-type: none"> <li>a. does not commence the work as per the Contract,</li> <li>b. abandons the work without completing,</li> <li>c. fails to achieve progress as per the Contract.</li> </ul> <p>72.2 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.</p> <p>72.3 Fundamental breaches of Contract shall include, but shall not be limited to, the following :</p> <ul style="list-style-type: none"> <li>(a) The Contractor uses the advance payment for matters other than the contractual obligations,</li> <li>(b) the Contractor stops work for 30 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project Manager;</li> <li>(c) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 30 days;</li> <li>(d) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation.</li> <li>(e) a payment certified by the Project Manager is not paid by the Employer to the Contractor within 90 days of the date of the Project Manager's certificate;</li> <li>(f) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;</li> <li>(g) the Project Manager gives two consecutive Notices to update the Program and accelerate the works to ensure compliance with GCC Sub clause 22.1 and the Contractor fails to update the Program and demonstrate acceleration of the works within a reasonable period of time determined by the Project Manager;</li> <li>(h) the Contractor does not maintain a Security, which is required;</li> <li>(i) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, <b>as defined in the SCC</b>; and</li> <li>(j) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract, pursuant to GCC 73.1.</li> </ul> <p>72.4 When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under GCC 72.3 above, the Project Manager shall decide whether the breach is fundamental or not.</p> <p>72.5 Notwithstanding the above, the Employer may terminate the Contract for convenience.</p>



	<p>72.6 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.</p>
73. Fraud and Corruption	<p>73.1 If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 15 days notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site.</p> <p>73.2 Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with GCC Clause 15.</p> <p>For the purposes of this GCC 73;</p> <ul style="list-style-type: none"> <li>(i) "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party.</li> <li>(ii) "fraudulent practice"<sup>5</sup> is any act 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;</li> <li>(iii) "collusive practice"<sup>6</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;</li> <li>(iv) "coercive practice"<sup>7</sup> 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;</li> <li>(v) "obstructive practice" is <ul style="list-style-type: none"> <li>(aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or 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</li> <li>(bb) acts intended to materially impede the exercise of the GON's/DP's inspection and audit rights provided for under GCC28.3.</li> </ul> </li> </ul>
74. Black Listing	<p>74.1 Without prejudice to any other rights of the Employer under this Contract, GoN, Public Procurement Monitoring Office (PPMO), on the recommendation of procuring entity, may blacklist a Bidder for its conduct for a period of one (1) to three (3) years on the following grounds and seriousness of the act committed by the bidder:</p> <ul style="list-style-type: none"> <li>(a) if it is established that the Contractor has committed substantial defect in implementation of the contract or has not substantially fulfilled its obligations under the contract or the completed work is not of the specified quality as per the contract.</li> <li>(b) If convicted from a court of law in a criminal offense liable to be</li> </ul>

	<p>disqualified for taking part in procurement contract,</p> <p>(c) If it is established that the Contractor has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.</p>
75. Payment upon Termination	<p>75.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.</p> <p>75.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.</p> <p>75.3 If the Contract is terminated because of fundamental breach of Contract or for any other fault by the Contractor, the performance security shall be forfeited by the Employer.</p> <p>In such case, amount to complete the remaining works as per the Contract shall be recovered from the Contractor as Government dues.</p>
76. Property	<p>76.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.</p>
77. Release from Performance	<p>77.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.</p>
78. Suspension of DP Loan/Credit/Grant	<p>78.1 In the event that the DP suspends the loan/ credit/grant to the Employer from which part of the payments to the Contractor are being made:</p> <ol style="list-style-type: none"> <li>the Employer is obligated to notify the Contractor of such suspension within 7 days of having received the DP's suspension notice; and</li> <li>if the Contractor has not received sums due him within the 30 days for payment provided for in GCC 49.1, the Contractor may immediately issue a 15-day termination notice.</li> </ol>
79. Eligibility	<p>79.1 The Contractor shall have the nationality of an eligible country as specified in Section V of the bidding document. The Contractor shall be deemed to have the nationality of a country if the Contractor is a citizen or is constituted, or incorporated, and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related services.</p> <p>79.2 The materials, equipment, and services to be supplied under the Contract shall have their origin in eligible source countries as specified in Section V of the bidding document and all expenditures under the Contract will be limited to such materials, equipment, and services. At the Employer's request, the Contractor may be required to provide evidence of the origin of materials, equipment, and services.</p>



	79.3 For purposes of GCC 79.2, “origin” means the place where the materials and equipment are mined, grown, produced, or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing, or substantial or major assembling of components, a commercially recognized product results that differs substantially in its basic characteristics or in purpose or utility from its components.
80. Project Manager’s Duties and Authorities	80.1 The Project Manager’s duties and authorities are restricted to the extent as <b>stated in the SCC</b> .
81. Quarries and Spoil Dumps	81.1 Any quarry operated as part of this Contract shall be maintained and left in a stable condition without steep slopes and be either refilled or drained and be landscaped by appropriate planting. Rock or gravel taken from a river shall be removed over some distance so as to limit the depth of material removed at any one location, not disrupt the river flow or damage or undermine the river banks. The Contractor shall not deposit excavated material on land in Government or private ownership except as directed by the Project Manager in writing or by permission in writing of the authority responsible for such land in Government ownership, or of the owner or responsible representative of the owner of such land in private ownership, and only then in those places and under such conditions as the authority, owner or responsible representative may prescribe.
82. Local Taxation	82.1 The prices bid by the Contractor shall include all taxes that may be levied in accordance to the laws and regulations in being in Nepal on the date 30 days prior to the closing date for submissions of Bids on the Contractor’s equipment, plant and materials acquired for the purpose of the Contract and on the services performed under the Contract. Nothing in the Contract shall relieve the Contractor from his responsibility to pay any tax that may be levied in Nepal on profits made by him in respect of the Contract.
83. Value Added Tax	83.1 The Contract is not exempted from value added tax. An amount specified in the schedule of taxes shall be paid by the Contractor in the concerned VAT office within time frame specified in VAT regulation.
84. Income Taxes on Staff	84.1 The Contractor’s staff, personnel and labor will be liable to pay personal income taxes in Nepal in respect of their salaries and wages, as are chargeable under the laws and regulations for the time being in force, and the Contractor shall perform such duties in regard to such deductions as may be imposed on him by such laws and regulations.  84.2 The issue of the Final Account Certificate pursuant to clause GCC 70 shall be made only upon submittal by the Contractor of a certificate of income tax clearance from the Government of Nepal.
85. Duties, Taxes and Royalties	85.1 Any element of royalty, duty or tax in the price of any goods including fuel oil, and lubricating oil, cement, timber, iron and iron goods locally procured by the Contractor for the works shall be included in the Contract rates and prices and no reimbursement or payment in that respect shall be made to the Contractor.

	<p>85.2 The Contractor shall familiarize himself with GON the rules and regulations with regard to customs, duties, taxes, clearing of goods and equipment, immigration and the like, and it will be necessary for him to follow the required procedures regardless of the assistance as may be provided by the Employer wherever possible.</p> <p>85.3 The Contractor shall pay and shall not be entitled to the reimbursement of cost of extracting construction materials such as sand, stone/boulder, gravel, etc. from the river beds or quarries. Such prices will be levied by the local District Development Committee (DDC) as may be in force at the time. The Contractor, sub-contractor(s) employed directly by him and for whom he is responsible, will not be exempted from payment of royalties, taxes or other kinds of surcharges on these construction materials so extracted and paid for to the DDC.</p>
86. Member of Government, etc, not Personally Liable	86.1 No member or officer of GoN or the Employer or the Project Manager or any of their respective employees shall be in any way personally bound or liable for the act or obligations of the Employer under the Contract or answerable for any default or omission in the observance or performance of any of act, matter or thing which are herein contained.
87. Approval of Use of Explosives	87.1 No explosives of any kind shall be used by the Contractor without the prior consent of the Employer in writing and the Contractor shall provide, store and handle these and all other items of every kind whatsoever required for blasting operations, all at his own expense in a manner approved in writing by the Employer.
88 Compliance with Regulations for Explosives	88.1 The Contractor shall comply with all relevant ordinances, instructions and regulations which the Government, or other person or persons having due authority, may issue from time to time regarding the handling, transportation, storage and use of explosives.
89. Permission for Blasting	89.1 The Contractor shall at all times maintain full liaison with and inform well in advance, and obtain such permission as is required from all Government authorities, public bodies and private parties whatsoever concerned or affected, or likely to be concerned or affected by blasting operation.
90. Records of Explosives	90.1 Before the beginning of the Defects Liability Period, the Contractor shall account to the satisfaction of the Project Manager for all explosives brought on to the Site during the execution of the Contract and the Contractor shall remove all unused explosives from the Site on completion of works when ordered by the Project Manager.
91.Traffic Diversion	91.1 The Contractor shall include the necessary safety procedures regarding and pedestrian traffic diversion that is needed in execution of the works. The Contractor shall include in his costing of works, any temporary works or diversion that are needed during the construction period. All traffic diversion should be designed for the safety of both the motoring public and the men at work. It shall ensure the uninterrupted flow of traffic and minimum inconvenience to the public during the period concerned. As such, adequate warning signs, flagmen and other relevant safety precautionary measures shall be provided to warn motorists and pedestrians well ahead of the intended diversion as directed by the Project Manager. All traffic devices used shall be designed in accordance with the instruction of Project Manager.



## **Section IX: Special Conditions of Contract**

The following Special Conditions of Contract shall supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC



## Special Conditions of Contract

A. General	
GCC 1.1 (q)	The Employer is <i>Water Resources and Irrigation Development Division Office, Rolpa</i>
GCC 1.1 (v)	The Intended Completion Date for the whole of the Works shall be <i>Ashwin 20, 2083</i> .
GCC 1.1(bb) & 10.1	The Project Manager is <i>Division Chief</i> The Project Manager and Engineer are synonyms.
GCC 1.1 (ee)	The Site is located at <i>Triveni Rural Municipality, Ward No. 05, Rolpa</i> .
GCC 1.1 (hh)	The Start Date shall be on the day after day of work order is issued.
GCC 1.1 (ll)	The Works consist of of <i>Construction of Intake, Canal and Canal Structures of Goitibang Irrigation Project, Triveni R.M.-05, Rolpa</i> .
GCC 2.2	Sectional Completions are: <i>Not applicable</i> .
GCC 2.3(i)	The following documents also form part of the Contract: <i>Addenda and other clarifications issued before the submission of bid</i> .
GCC 3.1	The language of the contract is <b>ENGLISH/NEPALI</b> The law that applies to the Contract is the law of NEPAL
GCC 11.1	The Project Manager <i>may</i> delegate any of his duties and responsibilities.
GCC 14.1	Schedule of other contractors: <i>Not Applicable</i> .
GCC 19.1	<p>The minimum insurance amounts and deductibles shall be:</p> <ol style="list-style-type: none"> <li>1. The minimum cover for loss of or damage to the Works, Plant and Materials is: <b>115%</b> of the Contract Amount.</li> <li>2. The maximum deductible for insurance of the Works and of Plant and Materials is: <b>0.75%</b></li> <li>3. The minimum cover for loss or damage to <b>immovable</b> Equipment/plants is : <b>100 % (i.e Replacement Cost)</b></li> <li>4. The maximum deductible for insurance of Equipment/plant is: <b>1 % of sum insured .</b></li> <li>5. The minimum <b>cover for loss of or damage to</b> other property is: <b>NRs. 10,000</b> with unlimited number of occurrences</li> <li>6. The maximum deductible for insurance of other property is: <b>1 % of sum insured.</b></li> <li>7. The minimum cover for personal injury or death insurance               <ol style="list-style-type: none"> <li>i. for the Contractor's employees is that specified in the Labor act of Nepal and</li> <li>ii. for other people is : <b>NRs. 7,00,000.00</b> with an unlimited number of occurrences</li> </ol> </li> </ol>



GCC 20.1	Site Investigation Reports are: <b><i>Not Applicable.</i></b>
GCC 23.1	The following shall be designed by the Contractor: <b><i>Temporary works, subject to Engineer's approval.</i></b>
GCC 26.1	The Site Possession Date(s) shall be: The Start Date, i.e., the day after day of work order is issued.
GCC 30.1	The place of arbitration shall be: <b><i>NEPCA or as specified by concerned authority of Government of Nepal.</i></b>
<b>C. Time Control</b>	
GCC 34.1	The Contractor shall submit for approval a Program for the Works within <b>30 days</b> days from the date of the Letter of Acceptance.
GCC 34.3	The period between Program updates is <b>120 days</b> days. The amount to be withheld for late submission of an updated Program is <b>NRs 50,000.</b>
<b>D. Quality Control</b>	
GCC 42.1	The Defects Liability Period is: <b>365</b> days.
<b>E. Cost Control</b>	
GCC 49.1	<b>0.00</b>
GCC 53.1	The Contract <b><i>is not</i></b> subject to price adjustment, and the following information regarding coefficients <b><i>does not</i></b> apply.  The coefficients and indices for adjustment of prices in Nepalese Rupees shall be as specified in the Table of Adjustment Data submitted by bidder together with the Letter of Price Bid which is approved by the Project manager and attached as Annex-1.
GCC 53.6	Base Price of Construction Materials applicable for price adjustment shall be as per the Table of Adjustment Data submitted by Bidder together with the Letter of Price Bid which is approved by the Project manager and attached as Annex-1.
GCC 53.7	The Price Adjustment amount shall be limited to a maximum of: For GoN Funded: <b>Not Applicable</b> For DP Funded: <b>Not Applicable</b>
GCC 54.1	The proportion of payments retained is: For GoN Funded: 5 (five) percent
GCC 55.1	The liquidated damages for the whole of the Works are 0.05 Percent of the final Contract Price per day. The maximum amount of liquidated damages for the whole of the Works is 10 Percent of the final Contract Price.

GCC 56.1	The Bonus for the whole of the Works is: <b>Not Applicable</b> .
GCC 57.1	The Advance Payments shall be: <b>20%</b> and shall be paid in two equal installments to the Contractor.
GCC 57.3	Deductions from Payment Certificates will commence in the first certificate in which the value of works executed exceeds 30% of the Contract Price. Deduction will be at the rate of <b>35%</b> of the respective Monthly Interim Payment Certificate until such time as the advance payment has been repaid; provided that the advance payment shall be completely repaid prior to the end of 80 % of the approved contract price.
GCC 58.1	The Performance Security amount is: <b><i>amount including an additional amount based on ITB 40.1 and/or ITB 35.5 if the Employer has increased the Performance Security amount</i></b>
<b>G. Finishing the Contract</b>	
GCC 71.1	The date by which operating and maintenance manuals are required is; <b>Not applicable</b>
GCC 71.2	The date by which “as built” drawings are required is: <b>Not applicable</b>
GCC 72.3 (i)	The maximum number of days is: <b>200</b>
GCC 80	<p>The Project Manager has to obtain the specific approval of the Employer for taking any of the following actions :</p> <ul style="list-style-type: none"> <li>a. Approving subcontracting of any part of the works under General Conditions of Contract Clause 13;</li> <li>b. Certifying additional costs determined under General Conditions of Contract Clause 50;</li> <li>c. Determining start date under General Conditions of Contract Clause 1;</li> <li>d. Determining the extension of the intended Completion Date under General Conditions of Contract Clause 35;</li> <li>e. Issuing a Variation under General Conditions of Contract Clause 1 and 46, except in an emergency situation, as reasonably determined by the Project Manager; emergency situation may be defined as the situation when protective measures must be taken for the safety of life or of the works or of adjoining property.</li> <li>f. Adjustment of rates under General Conditions of Contract Clause 45;</li> </ul>



## **Section X: Contract Forms**

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

# Letter of Intent

**[on letterhead paper of the Employer]**

Date: ... ..

To: .....*Name and address of the Contractor*.....

**Subject: ..... Issuance of letter of intent to award the contract.....**

This is to notify you that, it is our intention to award the contract ..... *[insert date]* .....for execution of the ... ..... *[insert name of the contract and identification number, as given in the Contract Data/SCC]* to you as your bid price ..... *[insert amount in figures and words in Nepalese Rupees]* as corrected and modified in accordance with the Instructions to Bidders is hereby selected as substantially responsive lowest evaluated bid.

Authorized Signature: .....

Name: ... ..

Title: .....

CC:

**[Insert name and address of all other Bidders, who submitted the bid]**

## **[Notes on Letter of Intent]**

The issuance of Letter of Intent is the information of the selection of the bid of the successful bidder by the Employer and for providing information to other unsuccessful bidders who participated in the bid as regards to the outcome of the procurement process. This standard form of Letter of Intent to Award should be filled in and sent to the successful Bidder only after evaluation and selection of substantially responsible lowest evaluated bid.]



## Letter of Acceptance

[on letterhead paper of the Employer]

Date: .....

To: ..... *Name and address of the Contractor* .....

Subject: ..... *Notification of Award*

This is to notify that your Bid dated ..... *date* ..... for execution of the ..... *name of the contract and identification number, as given in the Contract Data/SCC* ..... for the Contract price of Nepalese Rupees [*insert amount in figures and words in Nepalese Rupees*], as corrected in accordance with the Instructions to Bidders is hereby accepted in accordance with the Instruction to Bidders.

You are hereby instructed to contact this office to sign the formal contract agreement within 15 days with Performance Security of **NRs.** ..... in accordance with the Conditions of Contract, using for that purpose the Performance security Form included in Section X (Contract Forms) of this Bidding Document.

Authorized Signature: .....

Name and Title of Signatory: .....

## Contract Agreement

**THIS AGREEMENT made the .....day of....between.....** name of the Employer .....(*hereinafter “the Employer”*), of the one part, and .....name of the Contractor .....(*hereinafter “the Contractor”*), of the other part:

WHEREAS the Employer desires that the Works known as ..... name of the Contract .....should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects in the sum of NRs .....[*insert amount of contract price in words and figures including taxes*](hereinafter “the Contract Price”).

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
  - (a) the Letter of Acceptance;
  - (b) the Letters of Technical and Price Bid;
  - (c) the Addenda Nos ..... **Insert addenda numbers if any** .....
  - (d) the Special Conditions of Contract;
  - (e) the List of Eligible Countries that was specified in Section V of the bidding document,
  - (f) the General Conditions of Contract;
  - (g) the Specification;
  - (h) the Drawings;
  - (i) Bill of Quantities (or Schedules of Prices for lump sum contracts), and
  - (j) Table of Price Adjustment Data
  - (k) List of Approved Subcontractors [*For GoN funded project*]
  - (l) .....[**Specify if there are any other document**]
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Nepal on the day, month and year indicated above.

Signed by .....  
for and on behalf the Contractor in the presence of

Witness, Name Signature, Address, Date

Signed by .....  
for and on behalf of the Employer in the presence of

Witness, Name, Signature, Address, Date



## List of Approved Subcontractors

In accordance with GCC Sub-Clause 13.1, The following Subcontractors are approved for carrying out the work as specified below.

Name of Subcontractors	Description of Works	Value/Percentage of subcontract



## Performance Security

*(On letterhead paper of the Bank)*

..... **Bank's Name, and Address of Issuing Branch or Office** .....

Beneficiary: ..... Name and Address of Employer .....

Date: .....

Performance Guarantee No.: .....

We have been informed that ... *[insert name of the Contractor]* (hereinafter called "the Contractor") has been notified by you to sign the Contract No. .... *[insert reference number of the Contract]* for the execution of ..... *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we... *[insert name of the Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of .....*[insert name of the currency and amount in figures\*]* (..... *insert amount in words*) such sum being payable in Nepalese Rupees, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the.....Day of ..... \*\*, and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

.....

***Seal of Bank and Signature(s)***

Note:

All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

\* The Guarantor shall insert an amount representing the percentage of the Contract Price specified in the Contract in Nepalese Rupees.

\*\* Insert the date thirty days after the date specified for the Defect Liability Period. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer 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.



## Advance Payment Security (On letterhead paper of the Bank)

..... **Bank's Name, and Address of Issuing Branch or Office**.....

Beneficiary: ..... **Name and address of employer**

Date : .....

Advance Payment Guarantee No.....

We have been informed that .....has entered into Contract No. .... **Name and Address of Employer**.....**name of the Contractor**.....(hereinafter called "the Contractor")..reference number of the Contract.....dated ..... with you, for the execution of ...contract and brief description of Works ..... (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum..... name of the currency and amount in figures\*...(.... **amount in words** ....) is to be made against an advance payment guarantee.

At the request of the Contractor, we... ..... **name of the Bank** ..... hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of.....name of the currency and amount in figures\*... .....(**amount in words** ..... ) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that eighty (80) percent of the Contract Price has been certified for payment, or on the ..... day of .....\*\*, 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, ICC Publication No. 758.

.....  
**Seal of Bank and Signature(s)**

### Note:

All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

\*The Guarantor shall insert an amount representing the amount of the advance payment in Nepalese Rupees of the advance payment as specified in the Contract.

\*\* Insert the date Thirty days after the expected completion date. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer 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.

# Retention Money Security

*(On letterhead paper of the Bank)*

..... **Bank's Name, and Address of Issuing Branch or Office**.....

**Beneficiary:** \_\_\_\_\_ *[Insert name and Address of Employer]*

**Date:** \_\_\_\_\_ *[Insert date of issue]*

**RETENTION MONEY GUARANTEE No.:** *[Insert guarantee reference number]*

We have been informed that \_\_\_\_\_ *[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. \_\_\_\_\_ *[insert reference number of the contract]* dated \_\_\_\_\_ with the Beneficiary, for the execution of \_\_\_\_\_ *[insert name of contract and brief description of Works]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, the Beneficiary retains moneys up to the limit set forth in the Contract ("the Retention Money"), and that when at least eighty (80) percent of the whole works have been completed, progress of the works is satisfactory in accordance with the Contract as per approved work schedule and it can be assured that the works can be completed at the intended completion date, payment of *[insert the amount of the Retention Money]* is to be made against a Retention Money guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of \_\_\_\_\_ *[insert amount in figures]* (\_\_\_\_\_) *[amount in words]*<sup>1</sup> upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without your needing to prove or show grounds for your demand or the sum specified therein.

This guarantee shall expire no later than the .... day of ....., 2...<sup>2</sup>, and any demand for payment under it must be received by us at the office indicated above on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

\_\_\_\_\_  
*[Seal of Bank and signature(s)]*

**Note:** *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*

<sup>1</sup> The Guarantor shall insert the amount of the Retention Money.

<sup>2</sup> Insert the same expiry date which is 30 days more than the end of Defect Liability Period. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer 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.



## Annex-1

### Table of Price Adjustment Data [SCC 53.1]

Code	Index Description	Source of Index*	Base Value and Date	Employer's Proposed Weighting Range (coefficient)	Bidder's Proposed Weighting (coefficient)**
1	2	3	4	5	6
	Non - adjustable (A)			0.15	0.15
	Labor (b)				
	Materials (c)				
	Equipment usage (d)				
		<b>Total</b>			<b>1.00</b>

Note: Base value and Bidder's proposed weighting coefficient to be filled as per "Bid Form of Table of Price Adjustment Data" in Bidding Forms (Section-IV) after verification by the Employer in case of the alternative provision of Bidder proposed value and weighting coefficient.

### Table of Price Adjustment Data [SCC 53.6]

Code	Construction Material*	Unit	Base Price (NRs/Unit) ** (Ex-factory)	Source (Factory)**
1	2	3	4	5

\*\* For the purpose of calculation of price adjustment, the Ex-factory price of the same source mentioned in the table shall be taken into consideration.

Note: Base Price and source to be filled as per “Bid Form of Table of Price Adjustment Data” in Bidding Forms (Section-IV) after verification by the Employer in case of the alternative provision of Bidder proposed source and base price.

# SECTION-VI

## Bill of Quantities

Notes for Unit Rate Contracts :

### Objectives

The objectives of the Bill of Quantities are

- (a) to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- (b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

### Content

The Bill of Quantities should be divided generally into the following sections:

- (a) Preamble;
- (b) Work Items (grouped into parts);
- (c) Day works Schedule;
- d) Provisional Sums; and
- (d) Summary.

### Preamble

The Preamble should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bill of Quantities and which are to be used for the measurement of any part of the works.

### Work Items

The items in the Bill of Quantities should be grouped into sections to distinguish between those parts of the Works which by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, or phasing of the Works, or considerations of cost. General items common to all parts of the works may be grouped as a separate section in the Bill of Quantities.

### Day work Schedule

A Day work Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Employer of the realism of rates quoted by the Bidders, the Day work Schedule should normally comprise the following:

- (a) A list of the various classes of labor, materials, and Constructional Plant for which basic day work rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a day work basis.
- (b) Nominal quantities for each item of Day work, to be priced by each Bidder at Day work rates as bid. The rate to be entered by the Bidder against each basic Day work item should include the Contractor's profit, overheads, supervision, and other charges.

### Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the Contract Data should state the manner in which they will be used, and under whose authority (usually the Project Manager's).

### Summary

The Summary should contain a tabulation of the separate parts of the Bill of Quantities carried forward, with provisional sums for Day work, for physical (quantity) contingencies, and for price contingencies (upward price adjustment) where applicable.

These Notes for Preparing Specifications are intended only as information for the Employer or the person drafting the Bidding documents. They should not be included in the final documents.

# Bill of Quantities

1 Provisional Sum						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Unit Rate(NPR)	Amount(NPR)	
1	Third party insurance as per condition of the contract	Job	1.0	56500.0	56,500.00	
2	Insurance of the work as per conditon of the contract	Job	1.0	56500.0	56,500.00	
3	Insurance against accident to work men as per condition of the contract	Job	1.0	56500.0	56,500.00	
4	Commission for performance bond	Job	1.0	13560.0	13,560.00	
5	Lab Test	Job	1.0	18645.0	18,645.00	
2 Construction work						
2.1 Headworks and Associated Works						
2.1.1 Civil Works (Irrigation and Hydropower Components)						
Procument Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
1	Excavation of soft clay and silty soils including disposal (upto 10m lead and 1.5m lift)	cu.m.	857.6			
2	Excavation of dry foundation in hard gravel mixed soil (dia of gravel <10cm) including upto 10m lead and 1.5m lift (GBMS)	cu.m.	43.5			
3	Filling with ordinary excavated material in 15 cm thick layers and hand compaction without sprinkling water including hauling distance of 10 m.	cu.m.	183.52			
4	Filling by stones in the foundation and levelling incl. haulage upto 30m.	cu.m.	338.9			
5	Rubble masonry works including supply of hard stone blocks,preparing cement mortar and const. of wall upyo 5m high (haulage distance upto 10m) cement mortar 1:4 .	cu.m.	252.0			
6	Concreting of foundation,vertical faces, walls and abutments (cement conc.) including supply of materials and haulage upto 30m (1:3:6).	cu.m.	169.5			
7	Concreting of foundation,vertical faces, walls and abutments (cement conc.) including supply of materials and haulage upto 30m (1:2:4).	cu.m.	602.9			
8	Supply, Cutting , bending, placing in position as shown in drawing and binding by wire, of reinforcement steel bars for RCC works including haulage distance of 30m.	kg.	29931.48			

Procurement Item Details						
SL. No	Item Description	Unit	Quantity	Bidder's Rate (NPR)	Bidder's Rate (in words)	Total Amount (NPR)
9	Making Wooden forms including supply & selection of materials,fixing, nailing,placing & dismantling form; haulage upto 30m distance etc all complete.	sq.m.	7928.04			
10	Supply of Machine made gabion box of different sizes (Hexagonal mesh of 10cm*12cm,mesh wire 3mm dia., selvage wire 3.9mm dia.,lacing wire 2.4mm dia.,heavy zinc coating with transportation.	sq.m.	510.0			
11	Supplying and filling boulder in gabion box.	cu.m.	193.5			
12	Supplying and laying rubber seal, with its accessories, all complete	rm	240.0			
13	Supplying and laying HDPE pipe including fittings (110 mm Ø @ PN-6 )	rm	90.0			
Total of Procurement Items						
Total Item Price						
VAT						
Grand Total						