

Medium Generation Operation and Maintenance Department  
SUNDARIJAL HYDRO POWER STATION  
Sundarijal, Kathmandu.



NATIONAL COMPETITIVE BIDDING (NCB)  
(Single-Stage: Two Envelope Bidding Procedure)  
IFB NO.: **NEA-SJHPS-2081/082-EM/ST-03**

BID DOCUMENT  
FOR

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND RETROFITTING OF  
SPARE PARTS FOR GOVERNOR OIL PRESSURE UNIT OF SUNDARIJAL  
HYDROPOWER STATION**

First Date Of Notice Publication: **2081-10-30**

Last Date and Time Of Bid Submission: **2081-12-03 Before 12:00 Hrs.**

Date & Time Of Technical Bid Opening: **2081-12-03 At 13:00 Hrs.**

**VOLUME I OF II (TECHNICAL BID)**

**FY: 2081/082**

Issued on: .....

Name & Address of the Bidder: .....

# Abbreviations

BDS.....	Bid Data Sheet
BD.....	Bidding Document
DCS.....	Delivery and Completion Schedule
DP .....	Development Partner
EQC.....	Evaluation and Qualification Criteria
GCC.....	General Conditions of Contract
GoN.....	Government of Nepal
ICC.....	International Chamber of Commerce
IFB.....	Invitation for Bids
Incoterms.....	International Commercial Terms
ITB.....	Instructions to Bidders
LGRS.....	List of Goods and Related Services
NCB .....	National Competitive Bidding
NEA .....	Nepal Electricity Authority
PAN .....	Permanent Account Number
PPMO .....	Public Procurement Monitoring Office
SBD.....	Standard Bidding Document
SBQ.....	Schedule of Bidder Qualifications
SCC.....	Special Conditions of Contract
SR .....	Schedule of Requirements
TS.....	Technical Specifications
UNCITRAL .....	United Nations Commission on International Trade Law
VAT .....	Value Added Tax

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# INVITATION FOR BIDS

NEPAL ELECTRICITY AUTHORITY  
Kulekhani Second Hydropower Station

**Tender No:** [NEA-SJHPS-2081/082-EM/ST-03]

First Date of publication: 2081-10-30 (12<sup>th</sup> Feb, 2025)

1. Nepal Electricity Authority (NEA), Generation Directorate, Medium Generation Operation and Maintenance Department, Sundarijal Hydropower Station invites **electronic bid** from eligible bidders for the procurement of Tender No **NEA-SJHPS-2081/082-EM/ST-03; SUPPLY, DELIVERY, INSTALLATION, TESTING AND RETROFITTING OF SPARE PARTS FOR GOVERNOR OIL PRESSURE UNIT OF SUNDARIJAL HYDROPOWER STATION** under National competitive bidding-**Single Stage Two Envelope** procedures.
2. 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 23 of the Bidding Document.
3. The eligible Bidders shall have up to date Firm/Company Registration Certificate, VAT and PAN Registration Certificates, Tax Clearance Certificate or Submissions of Tax Returns up to **F.Y. 2080/081**, joint venture agreement/authorization (if any), power of attorney and a written declaration of not having conflict of interest in the proposed bid procurement proceedings and has not been punished for the profession or businesses related offences.
4. Bidder should submit their bid electronically 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 (non-refundable fee of **NRs 3,000.00**) of bidding document in the office account as specified below and the scanned copy (pdf format) of the Bank deposit voucher shall be uploaded by the bidder at the time of electronic submission of the bids.

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

Name of the Bank: **Nabil Bank Ltd., Tindhara, Kathmandu, Branch.**

Name of Office: **NEA SUNDARIJAL HYDROPOWER STATION, KATHMANDU**

Office Account no.: **00201017505786**

**Pre-bid meeting shall be held at [Not Applicable/ Not Held]**

5. Electronic bids must be submitted to the office **NEA, Sundarijal Hydropower Station, Sundarijal, Kathmandu** through PPMO's e-GP system [www.bolpatra.gov.np/egp](http://www.bolpatra.gov.np/egp) on or before **12:00 hour's local time** on or before the dates of bid opening. Bids received after this deadline will be rejected.
6. The Bids shall be opened at **13:00** hours local time on the same date of the Bid submission at the office of **Nepal Electricity Authority, Sundarijal Hydropower Station, Sundarijal, Kathmandu**, in the presence (or without presence) of the authorised representatives of the Bidders who choose to be present.
7. If the last date of submission and opening falls on a government holiday then the next working day shall be considered the last day. In such a case the bid validity and bid security validity shall be recognized with effect from the original bid submission deadline.

Tender No.	Last date of Bid Submission	Bid Opening Date and time	Cost of Bid Document	Bid Bond	
<b>NEA-SJHPS-2081/082-EM/ST-03</b>	<b>2081-12-03 Before 12:00 Hrs</b>	<b>2081-12-03 at 13:00 Hrs</b>	<b>NRs. 3,000.00</b>	<b>NRs. 1,20,000.00</b>	120 days from the last date of Bid submission

8. NEA shall not be responsible for any costs or expenses incurred by Bidders in connection with the preparation or submission of Bids.
9. Interested eligible Bidders may obtain further information on the Bid or inspect the Bid Documents at the office given below or information pertaining to Bid and e-bidding from PPMO's e-GP system [www.bolpatra.gov.np/egp](http://www.bolpatra.gov.np/egp)
10. NEA, Sundarijal Hydropower station reserves the right to accept or reject, wholly or partly any or all the bids without assigning reason, whatsoever.
11. Any amendment in the tender notice shall be published in the PPMO's e-GP Web Portal under Amendment section of respective tender and Interested eligible Bidders may also obtain further information at the Offices given below:



**Nepal Electricity Authority**  
**Generation Directorate**  
**Medium Generation O&M Department**  
**Sundarijal Hydropower Station**  
**Sundarijal, Kathmandu**  
**Tel.: 01-4801394**

# Section I. Instructions to Bidders

## Section I. Instructions to Bidders

<b>A. General</b>	
<b>1. Scope of Bid</b>	<p>1.1 The Purchaser <i>indicated in the BDS</i> issues this Bidding Document for the supply, delivery of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification of contracts are <i>indicated in BDS</i>.</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 with proof of receipt;</li> <li>(b) if the context so requires, singular means plural and vice versa; and</li> <li>(c) “day” means calendar day.</li> </ul>
<b>2. Source of Funds</b>	<p>2.1 NEA, in accordance with its annual program and budget, intends to apply a portion of the allocated budget to eligible payments under the contract(s) <i>indicated in the BDS</i> for which this Bidding Document is issued.</p> <p>Or</p> <p>The NEA has applied for or received financing (hereinafter called “funds”) from the Development Partner (hereinafter called “the DP”) <i>indicated in the BDS</i> toward the cost of the project <i>named in the BDS</i>. The NEA 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 NEA and upon approval by the DP in accordance with the terms and conditions of the financing agreement between the NEA and the DP (hereinafter called the “Loan Agreement”), and will be subject in all respects to the terms and conditions of that Loan Agreement. No party other than the NEA shall derive any rights from the Loan Agreement or have any claim to the funds.</p> <p>2.3 Public Entity's Resources Funded.</p>
<b>3. Fraud and Corruption</b>	<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 Purchaser adopts, for the purposes of this provision, the terms as defined below:</p> <ul style="list-style-type: none"> <li>(i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;</li> <li>(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;</li> <li>(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;</li> <li>(iv) “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including</li> </ul>

	<p>influencing improperly the actions of another party.</p> <p>(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</p> <p>(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.</p> <p>(b) the Purchaser 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;</p> <p>(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.</p> <p>(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 -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 Supplier shall permit the GoN/DP to inspect the Supplier’s accounts and records relating to the performance of the Supplier 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 Purchaser the benefit of open competitive bid price,</p> <p>(g) Contacting the Purchaser with an intention to influence the Purchaser 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>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 including credit information bureau of Nepal.</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 28.3.</p>
<p><b>4. Eligible Bidders</b></p>	<p>4.1 This Invitation for Bids is open to eligible Bidders/Suppliers indicated <i>in the BDS</i>.</p> <p>4.2 A Bidder may be a natural person, private entity, government-owned entity (subject to ITB 4.4) or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV:</p> <p>(a) all parties to the JV shall be jointly and severally liable; and</p> <p>(b) a JV shall nominate a representative who shall have the authority to conduct all businesses 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.</p> <p>4.3 A Bidder shall not have a conflict of interest. All Bidders 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, including but not limited to:</p>

	<p>(a) have controlling shareholders in common;</p> <p>(b) receive or have received any direct or indirect subsidy from any of them;</p> <p>(c) have the same legal representative for purposes of this Bid;</p> <p>(d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process;</p> <p>(e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or</p> <p>(f) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid.</p> <p><b>(g) a Bidder that has a close business or family relationship with a professional staff of the Procuring Entity.</b></p> <p>4.4 A Bidder that is under a declaration of ineligibility by the GoN/DP in accordance with ITB 3.4, at the date of the deadline for bid submission or thereafter, shall be disqualified. The list of debarred firms is available at the electronic address <b>specified in the BDS.</b></p> <p>4.5 A GoN-owned enterprise may also participate in the bid if it is legally and financially autonomous, it operates under commercial law, and it is not dependent agency of the Purchaser.</p> <p>4.6 Bidders shall provide such evidence of their continued eligibility satisfactory to the Purchaser, as the Purchaser 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 prohibits any import of goods or Contracting of works or services from that country or any payments to persons or entities in that country.</p> <p>(b) DP Funded: as a matter of law or official regulation, GoN 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 has been determined to be ineligible 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 A bidder and all parties constituting the Bidder shall have the nationality of an eligible country as defined by the concerned DP for DP funded projects.</p> <p>4.9 The domestic Bidder who has obtained Permanent Account Number (PAN) and Value Added Tax (VAT) registration certificate(s) and Tax clearance certificate or proof of submission of tax return from the Inland Revenue Office shall only be eligible. The foreign bidder submitting the documents <b>indicated in the BDS</b> at the time of bid submission and a declaration to submit the</p>

	<p>document(s) <i>indicated in the BDS</i> at the time of contract agreement shall only be eligible</p> <p>4.10 In case a prequalification process has been conducted prior to the bidding process, this bidding is open only to prequalified Bidders.</p>
<b>5. Eligible Goods and Related Services</b>	<p>5.1 All goods and related services to be supplied under the contract are eligible, unless their origin is from a country <i>specified in the BDS</i>.</p> <p>5.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied</p> <p>5.3 The nationality of the firm/Bidder that produces, assembles, distributes, or sells the goods shall not determine their origin.</p>
<b>6. Site Visit</b>	<p>6.1 For goods contracts requiring installation/ commissioning/ networking or similar services at site, the Bidder, at the Bidder’s own responsibility and risk, is encouraged to visit and examine the Site and obtain all information that may be necessary for preparing the Bid and entering into a contract for the supply of goods and related services.</p> <p>6.2 The Bidder should ensure that the Purchaser is informed of the visit in adequate time to allow it to make appropriate arrangements.</p> <p>6.3 The costs of visiting the Site shall be at the Bidder’s own expense.</p>

## B. Contents of Bidding Document

<b>7. Sections of the Bidding Document</b>	<p>7.1 The Bidding Document consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read and construed in conjunction with any Addenda issued in accordance with ITB 9.</p> <p><b>PART 1 Bidding Procedures</b></p> <ul style="list-style-type: none"> <li>• Section I. Instructions to Bidders (ITB)</li> <li>• Section II. Bid Data Sheet (<b>BDS</b>)</li> <li>• Section III. Evaluation and Qualification Criteria</li> <li>• Section IV. Bidding Forms</li> </ul> <p><b>PART 2 Supply Requirements</b></p> <ul style="list-style-type: none"> <li>• Section V. Schedule of Requirements</li> </ul> <p><b>PART 3 Conditions of Contract and Contract Forms</b></p> <ul style="list-style-type: none"> <li>• Section VI. General Conditions of Contract (GCC)</li> <li>• Section VII. Special Conditions of Contract (SCC)</li> <li>• Section VIII. Contract Forms</li> </ul> <p>7.2 The Purchaser will reject any Bid submission (in case of hard copy submission) if the Bidding Document was not purchased directly from the Purchaser, or through its assigned office as stated in the invitation for bids or has not deposited (in case of electronically submission) the cost of Bidding Document as stated in the invitation for bids.</p> <p>7.3 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document as well as in Amendments, if any. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid.</p>
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	7.4 The Invitation for Bids issued by the Purchaser is not part of the Bidding Document
<b>8. Clarification of Bidding Document/Pre-bid meeting</b>	<p>8.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Purchaser in writing at the Purchaser's address <i>indicated in the BDS</i>. The Purchaser will respond in writing to any request for clarification, provided that such request is received within the time limit <i>specified in the BDS</i> prior to the deadline for submission of Bids. The Purchaser shall forward copies of its response to all Bidders who have acquired the Bidding Document directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under <b>ITB 9 and 24.2</b>.</p> <p>8.2 The purchaser may organize a pre-bid meeting of Bidders at least ten (10) days before the deadline for submission of Bids at the place, date and time as <i>specified in the BDS</i> to provide information relating to Bidding Documents, Technical specifications and the like matters. Should the purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under <b>ITB 9 and ITB 24.2</b>.</p>
<b>9. Amendment of Bidding Document</b>	<p>9.1 At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bidding Document by issuing addenda.</p> <p>9.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Purchaser.</p> <p>9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of the Bids, pursuant to <b>ITB 24.2</b>.</p>

### C. Preparation of Bids

<b>10. Cost of Bidding</b>	10.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
<b>11. Language of Bid</b>	11.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language <i>specified in the BDS</i> . 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 <i>specified in the BDS</i> , in which case, for purposes of interpretation of the Bid, such translation shall govern.
<b>12. Documents Comprising the Bid</b>	<p>12.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid containing the documents listed in ITB 12.2 and the other the Price Bid containing the documents listed in ITB 12.3, both envelopes enclosed together in an outer single envelope.</p> <p>12.2 The <b>Technical</b> Bid shall comprise the following:</p>

	<p>(a) Letter of Technical Bid;</p> <p>(b) Bid Security in accordance with ITB 21;</p> <p>(c) alternative bids, if permissible, in accordance with ITB 14;</p> <p>(d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22;</p> <p>(e) documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid;</p> <p>(f) documentary evidence in accordance with ITB Clauses 18 and 31, that the Goods and Related Services conform to the Bidding Document;</p> <p>(g) documentary evidence in accordance with ITB 19 establishing the Bidder's qualifications to perform the contract if its Bid is accepted; 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, required <i>in the BDS</i>.</p> <p>12.3 The Price Bid submitted by the Bidder shall comprise the following:</p> <p>(a) Price Bid Submission Letter and the applicable Price Schedules, in accordance with ITB 13, ITB 15, and ITB 16;</p> <p>(b) alternative Price Bid corresponding to the alternative Technical Bid, if permissible, in accordance with ITB 14; and</p> <p>(c) any other document required in the BDS.</p> <p>12.4 The Bidder is solely responsible for the authenticity of the submitted documents.</p> <p>12.5 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>
<p><b>13. Bid Submission Letter and Price Schedules</b></p>	<p>13.1 The Bidder shall submit the Technical Bid Submission Letter and the Price Bid Submission Letter using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.</p> <p>13.2 The Bidder shall submit, as part of the Price Bid, the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in Section IV, Bidding Forms</p>
<p><b>14. Alternative Bids</b></p>	<p>14.1 Unless otherwise <i>indicated in the BDS</i>, alternative bids shall not be considered.</p>
<p><b>15. Bid Prices and Discounts</b></p>	<p>15.1 The prices and discounts quoted by the Bidder in the Letter of Price bid and in the Price Schedules shall conform to the requirements specified below.</p> <p>15.2 The Bidder shall complete the appropriate Price Schedule and the sources of Goods schedules included herein, stating the unit prices, total cost per item, the total Bid amount and the expected countries of origin of the Goods to be supplied under the contract.</p> <p>15.3 Prices quoted in the Price Schedules shall be included the cost of goods,</p>

	<p>other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the item, the customs duties, transportation cost up to final delivery, insurance cost, unloading, and any other cost for (incidental) services, if any, related to the delivery of goods. All risks and responsibilities up to the final destination including installation and commissioning of Goods, if applicable, shall be borne by the Supplier. All items in the Schedule of Supply must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is substantially responsive, the corresponding adjustment shall be applied in accordance with ITB 38.3. Unit rates and prices for all items in the Schedule of Supply shall be expressed in positive values. If unit rates and prices are expressed in negative values, the bid will be rejected.</p> <p>15.4 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, unless otherwise <i>specified in the BDS</i>. A Bid submitted with an adjustable price quotation shall be treated as non-responsive and shall be rejected, pursuant to ITB 31. However, if in <i>accordance with the BDS</i>, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a Bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.</p> <p>15.5 The Bidder's separation of price components in accordance with ITB 15.1 above will be solely for the purpose facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser's right to contract on any of the terms offered.</p> <p>15.6 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 bid price in the Letter of Price Bid may result in the rejection of the Bid.</p> <p>15.7 If the Bidder intends to offer any unconditional discount, it shall always be expressed in fixed percentage and that shall not vary as the quantity varies and be applicable to each unit rate. The discount and methodology for its application shall be quoted in Letter of Price Bid.</p> <p>15.8 If so indicated in ITB 1.1, Bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Bidders wishing to offer any price discount for the award of more than one Contract shall specify in their Price Bids the price discount applicable to each package, or alternatively, to individual Contracts within the package. Price discounts shall be submitted in accordance with ITB 15.7, provided the Price Bids for all lots are submitted and opened at the same time.</p>
16. Currencies of Bid	16.1 All Prices shall be quoted in Nepalese Rupees.
17. Documents Establishing the Eligibility of the Bidder	<p>17.1 To establish their eligibility in accordance with ITB 4, Bidders shall:</p> <p>(a) complete the eligibility declarations in the Bid Submission Letter, included in Section IV, Bidding Forms; and</p> <p>(b) if the Bidder is an existing or intended JV in accordance with ITB 4.2, submit a copy of the JV Agreement, or a letter of intent to enter</p>



	<p>into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended JV, as appropriate.</p> <p>(c) submit the copy of the documents as <b>specified in Section III, Evaluation and Qualification Criteria.</b></p>
<p><b>18. Documents Establishing the Conformity of the Goods and Related Services to the Bidding Document</b></p>	<p>18.1 To establish the conformity of the Goods and Related Services to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods and Related Services conform to the requirements specified in Section V, Supply Requirements.</p> <p>18.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to those requirements, and if applicable, a statement of deviations and exceptions to the provisions of Section V, Schedule of Requirements.</p> <p><b>18.3 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period specified in the BDS following commencement of the use of the goods by the Purchaser.</b></p> <p>18.4 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Section V, Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in Section V, Schedule of Requirements.</p>
<p><b>19. Documents Establishing the Qualifications of the Bidder</b></p>	<p>19.1 <b>To establish its qualifications to perform the Contract, the Bidder shall submit as part of its Technical Proposal the evidence indicated for each qualification criteria specified in Section III (Evaluation and Qualification Criteria). The documentary evidence of the Bidder's qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser's satisfaction that the Bidder meets each of the qualification criterion specified.</b></p> <p>19.2 If so <b>required in the BDS</b>, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Nepal and take care of the warranty provided.</p> <p>19.3 If so <b>required in the BDS</b>, a Bidder that does not conduct business within Nepal shall submit evidence that it will be represented by an Agent in Nepal equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.</p> <p>19.4 A foreign Bidder wishing to have or already having a local agent shall state the following:</p>

	<p>a. Name and address of the Agent/Representative,  b. The Agent/Representative providing type of services,  c. Amount of commission if the Agent/Representative is entitled to get such payment and if it participates in the procedure of payment,  d. Other agreement with Agent/Representative, if any,  e. Bidder shall certify in the Letter of Authorization as follows:  "We certify that the statement and disclosure made by us on the above are complete and true to the best of our knowledge and belief",</p> <p>If the agent has not been appointed:</p> <p>a. Source of information about tender invitation,  b. The remuneration given to the individual or firm/company or organization to work on its behalf for submitting tender, representation in the bid opening and other required action in connection with the tender,  c. Transfer or handover evidence of foreign currency exchanged which required to be submitted with the tender,  d. If the bank account of any Nepali citizen has been used for the exchange of foreign currency specify the name of the individual and his address. If the foreign currency has been exchanged by self then the certificate of currency exchange.</p> <p>19.5 If a foreign Bidder in its Bid, has not provided the information mentioned in ITB 19.4 or has submitted its bid stating that the Bidder does not have a local agent and later it is proved that the bidder has a local agent or it is proved that the commission mentioned in the Bid is less than the commission received by the local agent then the Purchaser shall initiate proceedings to blacklist such bidder in accordance with ITB 3.3.</p>
<p><b>20. Period of Validity of Bids</b></p>	<p>20.1 Bid shall remain valid for a period <i>specified in the BDS</i> after the bid submission deadline date prescribed by the purchaser. <b>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.</b> A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.</p> <p>20.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser 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 21, it shall also be extended for a corresponding 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.</p>
<p><b>21. Bid Security</b></p>	<p>21.1 <b>The Bidder shall furnish as part of its bid, in original form a Bid Security as specified in the BDS. 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.</b></p>



- 21.2 If a bid security is specified pursuant to ITB **21.1**, the bid security shall be a demand guarantee in any of the following forms at the Bidder's option:
- (a) **original copy of an unconditional bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law or;**
  - (b) **Original copy of cash deposit voucher in the Purchaser's Account as specified in BDS.**
- In case of a bank guarantee, the Bid Security shall be submitted using the Bid Security Form included in Section IV, Bidding Form or **in another form acceptable to the purchaser.** The form must include the complete name of the Bidder. The Bid Security shall be valid for **minimum thirty (30) days** beyond the end of the validity period of the bid **or beyond any period of extension if requested under ITB 20.2.**
- 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.
- 21.3 If a bid Security is required in accordance with ITB **21.1**, any Bid not accompanied by an enforceable and compliant Bid Security in accordance with ITB **21.2**, shall be rejected by the Purchaser 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.
- 21.4 If a Bid Security is specified pursuant to ITB **21.1**, the Bid Security of unsuccessful Bidders shall be returned within three (3) days upon the successful Bidder furnishing of the signed Contract Agreement and the Performance Security pursuant to **ITB 43.1 and 44.1.**
- 21.5 If a Bid Security is specified pursuant to ITB **21.1**, the Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder **has furnished the required Performance Security and signed the Contract Agreement.**
- 21.6 The Bid Security may be forfeited:
- (a) a Bidder requests for withdrawal or modification of its bid except as provided in ITB **20.2**
    - (i) during the period of bid validity specified by the Bidder on the Letter of 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 Bid, in case of hard copy submission.
  - (b) Bidder changes the prices or substance of the bid while providing information pursuant to clause **29.1;**
  - (c) a Bidder involves in fraud and corruption pursuant to clause **3.1;**
  - (d) the successful Bidder fails to:
    - (i) furnish a performance security in accordance with ITB **43.1;**
    - (ii) sign the Contract in accordance with ITB **44.1;** or
    - (iii) accept the correction of arithmetical errors pursuant to clause **36.**
- 21.7 The Bid Security of a JV must be in the name of the JV that submits the bid.

	If the JV 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 <b>17.1 (b)</b> .
<p><b>22. Format and Signing of Bid</b></p>	<p><b>22.1</b> The Bidder shall prepare one original set of the Technical Bid and one original set of the Price Bid as described in ITB 12 and clearly mark each “ORIGINAL - TECHNICAL BID” and “ORIGINAL - PRICE BID”. Alternative bids, if permitted in accordance with ITB 14, shall be clearly marked “ALTERNATIVE”. In addition, the Bidder shall submit copies of the Technical Bid and the Price Bid, in the number specified in the BDS and clearly mark them “COPY NO... - TECHNICAL BID” and “COPY NO.... - PRICE BID”. In the event of any discrepancy between the original and the copies, the original shall prevail.</p> <p>In case of e-submission of bid, the Bidder shall submit his bid electronically in PDF or online forms files as specified in ITB Clause 23.1(b). If a Bidder submits both the electronic bid and a bid in hard copy within the bid submission deadline, then the submitted Bids shall be accepted for evaluation provided that the facts and figures in hard copy confirm to those in electronic bid. If there is any major discrepancy in fact and figures in the electronic bid and bid in hard copy, it shall be treated as two separate bids from one Bidder and both the Bids shall be disqualified, as per ITB Clause 4.3 (e).</p> <p><b>22.2</b> 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 <i>specified in the BDS</i> 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><b>22.3</b> 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>

#### D. Submission and Opening of Bids

<p><b>23. Sealing and Marking of Bids</b></p>	<p><b>23.1</b> Unless otherwise <b>specified in BDS</b>, Bidders shall submit their bids by electronic or by mail/ by hand/ by courier. <b>Procedures for submission, sealing and marking are as follows:</b></p> <p>(a) Bidders submitting bids by mail, by hand or by Courier 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 14, in separate sealed envelopes, duly marking the envelopes as “<b>ORIGINAL TECHNICAL BID</b>”, “<b>ORIGINAL – PRICE BID</b>”, “<b>ALTERNATIVE</b>” and “<b>COPY No.... – TECHNICAL BID</b>” and “<b>COPY NO.... PRICE BID</b>” as appropriate. 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> <p>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</p>
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- specified in e-GP guideline.
- 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.
  - iii. The registered bidders need to maintain their profile data required during preparation of bids.
  - 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.
  - 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 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/evidence of time extension	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 Only	PDF
10.	Qualification Documents	Mandatory	PDF
11.	Technical Specification	Mandatory	PDF or Online Forms

12.	Delivery and Completion Schedule	Mandatory	PDF or Online Forms
13.	Additional documents specified in ITB 12.2 (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 Price Schedule	Mandatory	Online Forms
3.	Additional Documents specified in ITB 12.3 (c)	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

	<p>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.</p> <p>23.2 The inner and outer envelopes shall:</p> <ul style="list-style-type: none"> <li>(a) bear the name and address of the Bidder;</li> <li>(b) be addressed to the Purchaser in accordance with ITB 24.1; and</li> <li>(c) bear the specific identification of this bidding process indicated in BDS 1.1.</li> </ul> <p>23.3 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 27.1.</p> <p>23.4 The inner envelope containing the Price Bid shall bear a warning not to open until advised by the Employer in accordance with ITB 27.7</p> <p>23.5 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.</p>
<p><b>24. Deadline for Submission of Bids</b></p>	<p>24.1 Bids must be received by the Purchaser at the address and no later than the date and time <i>indicated in the BDS</i>. 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>24.2 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB 9, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended. However, the time available to submit bids shall not be less than five (5) days since amendment in bidding document.</p>
<p><b>25. Late Bids</b></p>	<p>25.1 The Purchaser shall not consider any Bid- Technical or Price - that arrives after the deadline for submission of Bids, in accordance with ITB 24. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.</p>
<p><b>26. Withdrawal, or Modification of Bids</b></p>	<p>26.1 A bidder may withdraw, or modify its bid 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><b>GoN Funded:</b></p> <ul style="list-style-type: none"> <li>(i) Bids submitted in hard Copy <ul style="list-style-type: none"> <li>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 22.2 before 24 hours prior to the last deadline of submission of bid. The corresponding modification of the bid must accompany the respective written notice. All notices must be: <ul style="list-style-type: none"> <li>(aa) prepared and submitted in accordance with ITB 22 and ITB 23, and</li> </ul> </li> </ul> </li> </ul>

in addition, the respective envelopes shall be clearly marked "WITHDRAWAL", "MODIFICATION;" and

- (bb) received by the Purchaser 24 hours prior to the deadline prescribed for submission of bids, in accordance with ITB 24.

**DP Funded:**

Bidders 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 22.2. The corresponding modification of the Bid must accompany the respective written notice. All notices must be

- (aa) prepared and submitted in accordance with ITB 22 and ITB 23, and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," and "MODIFICATION;" and

- (bb) received by the Employer prior to the deadline prescribed for submission of Bids, in accordance with ITB 24.

ii) E-submitted bids.

- 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. Once a Bid is withdrawn, bidder shall not able to submit another bid for the same bid.

26.2 Bids requested to be withdrawn in accordance with ITB 26.1 (i) shall be returned unopened to the Bidders after the end of bid opening process.

26.3 The following provisions apply for withdrawal or modification of the Bids:

**GoN Funded:**

- (i) In case of bid submitted in hard copy no Bid shall be withdrawn or modified in the interval between 24 hours prior of 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.
- (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 bid submission form or any extension thereof.

**DP Funded**

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.

26.4 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.

26.5 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.

26.6 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.
27. Bid Opening	<p>27.1 The Purchaser's bid opening committee shall conduct the bid opening <b>Technical Bids</b> in public in the presence of bidder or its representative who choose to attend at the address, date and time <i>specified in the BDS</i>. The opening committee shall download the e-submitted bid files. <b>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.</b></p> <p>27.2 <b>The opening committee shall download the e-submitted Technical Bid files.</b> The e-procurement system allows the Purchaser to download the e-submitted <b>Technical</b> bid files (report) only after bid opening date and time after login simultaneously by two members of the Bid opening committee.</p> <p>27.3 Electronically submitted <b>Technical</b> bid shall be opened at first in the same time and date <i>as specified above</i>. Electronic Bids shall be opened one by one and read out. The e-submitted <b>Technical</b> bids must be readable through open standards interfaces. Unreadable and or partially submitted bid files shall be considered incomplete</p> <p>27.4 <b>Before opening the bids, the opening committee shall separate the envelopes of the bids received after the deadline of bid submission, the envelopes containing an application given for WITHDRAWAL, MODIFICATION of bids and the envelopes of bids duly registered. The bids received after the deadline of submission shall be returned to the concerned bidder unopened. Then envelopes marked "WITHDRAWAL" shall be opened first, read out, and recorded, and the envelope containing the corresponding Bid shall not be opened, but returned to the Bidder. If the withdrawal notice is not accompanied by a copy of the valid authorization pursuant to ITB 22.2, the withdrawal shall not be permitted and the corresponding Bid will be opened. Next, envelopes marked "MODIFICATION" shall be opened, read out, and recorded with the corresponding Bid. No Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at bid opening. Only envelopes that are opened, read out, and recorded at bid opening shall be considered further. Price Bids, both Original and Modification, will remain unopened in accordance with ITB 27.1.</b></p> <p>27.5 <b>All other envelopes holding the Technical Bid shall be opened one at a time, and the following read out and recorded: the name of the Bidder; whether there is a modification; the presence of a Bid Security, and any other details as the Purchaser may consider appropriate. Only Technical Bids read out and recorded at bid opening shall be considered for evaluation. No Bid shall be rejected at bid opening except for late bids, in accordance with ITB 25.1.</b></p> <p>27.6 <b>The opening committee 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. A copy of the record shall be distributed to all Bidders who submitted bids</b></p>



	<p>in time, and posted online when electronic bidding is permitted. The Bidders' representatives who are present shall also be requested to sign an attendance sheet.</p> <p>27.7 At the end of the evaluation of the Technical Bids, the purchaser 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 purchaser. Bidders shall be given at least 7 days' notice for the opening of Price Bids.</p> <p>27.8 The purchaser 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.</p> <p>27.9 The purchaser 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.</p> <p>27.10 All envelopes containing Price Bids shall be opened one at a time and the 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 purchaser 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>27.11 The purchaser 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/package 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>
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**E. Evaluation and Comparison of Bids**

<p><b>28. Confidentiality</b></p>	<p>28.1 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 publication of the Contract award; thereafter, information will be disclosed in accordance with ITB 42.1.</p> <p>28.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the Bids or Contract award decisions may result in the rejection of its Bid.</p> <p>28.3 Notwithstanding ITB 28.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any</p>
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	matter related to the bidding process, it should do so in writing.
<b>29. Clarification of Bids</b>	<p>29.1 To assist in the examination, evaluation, comparison and post-qualification of the <b>Technical and Price</b> Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder with regard to its Bid and that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the <b>Technical and Price</b> Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the Bids, in accordance with <b>ITB 36</b>. In case of e-submission of bid, upon notification from the purchaser, the bidder shall also submit the original of documents comprising the <b>Technical and Price</b> Bids as per ITB 12.2 and ITB 12.3 for verification of submitted documents for acceptance of the e-submitted bid.</p> <p>29.2 <b>If a Bidder does not provide clarifications of its Bid by the date and time set in the purchaser's request for clarification, its Bid may be rejected.</b></p>
<b>30. Deviations, Reservations, and Omissions</b>	<p>30.1 During the evaluation of bids, the following definitions apply:</p> <p>(a) "Deviation" is a departure from the requirements specified in the Bidding 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>
<b>31. Examination of Technical Bid</b>	<p>31.1 <b>The purchaser shall examine the Technical Bid to confirm that all documents and technical information requested in ITB 12.2 have been submitted. If any of these documents or information (except alternative Technical Bid which is optional) is missing, the bid shall be rejected.</b></p> <p>31.2 <b>In case of e-submission bids, the Employer shall confirm that all the documents and information requested in ITB 23.1 have been submitted. If any of these documents or information is missing, the bid shall be rejected.</b></p>
<b>32. Determination of Responsiveness</b>	<p>32.1 The Purchaser's determination of the responsiveness of a Bid is to be based on the contents of the <b>Technical</b> Bid itself, as defined in ITB <b>12.2</b>.</p> <p>32.2 A substantially responsive <b>Technical</b> 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 Goods and Related Services specified in Section V, Schedule of Requirements; or</p> <p>(ii) Limits in any substantial way, inconsistent with the Bidding Document, the Purchaser'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>32.3 The Purchaser shall examine the technical aspects of the bid in particular, to confirm that all requirements of Section V, Schedule of Requirements have been met without any material deviation or reservation.</p> <p>32.4 If a bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.</p> <p>32.5 In case of e-submission bids, the purchaser 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 29.1, the bid shall not be considered for further evaluation.</p> <p>32.6 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>32.7 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>
<p><b>33. Non-material Non-conformities</b></p>	<p>33.1 The Purchaser may regard a Bid as responsive even if it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirement set forth in the Bidding Document or if it contains errors or oversights that are capable of being corrected without affecting the substance of the Bid.</p> <p>33.2 Provided that a Bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify non-material non-conformities or omissions in the Bid related to documentation requirements. Requesting information or documentation on such non-conformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p> <p>33.3 Provided that a Bid is substantially responsive, the Purchaser shall rectify non-material non-conformities or omissions. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section III, Evaluation and Qualification Criteria.</p> <p>33.4 If small differences are found such as in technical specification, description, feature which does not make the bid to be rejected, then the cost, which is calculated to the extent possible due to such differences, shall be included while evaluating bid.</p> <p>33.5 If the value is found fifteen percent more than the quoted amount of the</p>

	bidder on account of small differences pursuant to <b>ITB 33.4</b> , such bid shall be considered irresponsible in substance and shall not be considered for evaluation.
<b>34. Qualification of the Bidder</b>	<p><b>34.1</b> The Employer shall determine to its satisfaction during the evaluation of <b>Technical Bids</b> whether Bidders meet the qualifying criteria specified in <b>Section III (Evaluation and Qualification Criteria)</b>.</p> <p><b>34.2</b> The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to <b>ITB 19.1</b>.</p> <p><b>34.3</b> 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.</p>
<b>35. Examination of Price Bids</b>	<p><b>35.1</b> The purchaser shall examine the Price Bid to confirm that all documents and financial information requested in <b>ITB 12.3</b> have been submitted. If any of these documents or information (except alternative Price Bid which is optional) is missing, the bid shall be rejected.</p> <p><b>35.2</b> In case of e-submission bids, the purchaser shall confirm that all the documents and financial information requested in <b>ITB 23.1</b> have been submitted. If any of these documents or information is missing, the bid shall be rejected.</p>
<b>36. Correction of Arithmetical Errors</b>	<p><b>36.1</b> <b>During the evaluation of Price Bids</b>, the Purchaser shall correct arithmetical errors on the following basis:</p> <p>(a) if there is a discrepancy between the unit price 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 Purchaser 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><b>(c) If there is a discrepancy between the bid price in the Summary of price schedule and the bid amount in item (c) of the Letter of Price Bid, the bid price in the Summary of price schedule will prevail and the bid amount in item (c) of the Letter of Price Bid will be corrected; and</b></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) <b>and (c)</b> above.</p> <p><b>36.2</b> If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and the bid security shall be forfeited.</p>
<b>37. Goods manufactured in</b>	<b>37.1</b> If the price of goods manufactured in Nepal, are higher up to <b>fifteen</b>

<p><b>Nepal to be procured</b></p>	<p><b>percent</b> than that of manufactured in foreign countries, the goods manufactured in Nepal shall be preferred in the evaluation of the Bids.</p> <p>37.2 For granting such preference pursuant to <b>37.1</b>, the bidder must submit the country of origin issued by competent authority stating that the value added of the goods in Nepal is more than 30 percent.</p> <p>37.3 In case of granting preference, responsive bids shall be classified in one of the two groups; Group A (bids offering Goods manufactured in Nepal) and Group B (bids offering Goods manufactured outside Nepal). Lowest evaluated bids from each group shall be identified and compared. If as a result of the comparison, the lowest evaluated bid is a bid from group B, the lowest evaluated bid from group B shall be compared with the lowest evaluated bid from group A after adding to the evaluated price of goods offered in the bid from group B, for the purpose of this comparison only, an amount equal to fifteen (15%) percent of the bid price. The lowest evaluated bid determined from this last comparison shall be selected.</p> <p>37.4 In supply, delivery and installation contracts in which there are a number of items of Goods and Related Services, preference margin shall not be applied to the whole package but only to the eligible domestically produced Goods within the package. In the comparison of Bids, only the price in each Bid of the Goods offered from outside Nepal shall be increased by fifteen (15%) percent.</p>
<p><b>38. Evaluation and Comparison of Price Bids</b></p>	<p>38.1 The Purchaser shall evaluate and compare all substantially responsive Bids to determine the lowest evaluated bid.</p> <p>38.2 To evaluate a Price Bid, the Purchaser shall only use all the criteria and methodologies defined in this Clause and in Section III, Evaluation and Qualification Criteria. No other criteria or methodology shall be permitted.</p> <p>38.3 To evaluate a Price Bid, the Purchaser shall consider the following:</p> <ul style="list-style-type: none"> <li>(a) the bid price as quoted in accordance with ITB 15 as specified in <b>BDS</b>;</li> <li>(b) adjustment for correction of arithmetic errors in accordance with ITB 36.1;</li> <li>(c) adjustment due to discounts offered in accordance with ITB 15.7;</li> <li>(d) adjustment for nonmaterial nonconformities in accordance with ITB 33.3 ;and</li> <li>(e) adjustment due to application of the evaluation criteria <b>specified in the BDS</b> from amongst those set out in Section III (Evaluation and Qualification Criteria). These criteria may include factors related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services which shall be expressed to the extent practicable in monetary terms to facilitate comparison of bids unless otherwise specified in Section III.</li> <li>(f) adjustment due to the application of a margin of preference in accordance with ITB clause 37.</li> </ul>

	<p>38.4 Any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid, shall not be taken into account in bid evaluation.</p> <p>38.5 If this Bidding Document allows Bidders to quote separate prices for different lots/packages, and to award multiple Contracts to a single Bidder, 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).</p> <p>38.6 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><b>39. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids</b></p>	<p>39.1 The Purchaser reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the Bidders.</p>

#### F. Award of Contract

<p><b>40. Award Criteria</b></p>	<p>40.1 The Purchaser shall select to 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.</p>
<p><b>41. Purchaser's Right to Vary Quantities at Time of Award</b></p>	<p>41.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed the percentages <i>indicated in the BDS</i>, and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.</p>
<p><b>42. Notification of Intention to Award</b></p>	<p>42.1 The Purchaser shall notify the concerned Bidder whose bid has been selected in accordance with <b>ITB 40.1</b> within seven days of the selection of the bid, in writing that the Purchaser has intention to accept his/her bid and shall Inform via the Letter of Intention included in the Contract Forms and the information of name, address and amount of selected bidder shall be given to all other bidders who submitted the bid.</p> <p>42.2 If no bidder submits an application pursuant to <b>ITB 45.1</b> within a period of seven days of providing the notice under <b>ITB 42.1</b> the Purchaser shall accept the bid selected in accordance with <b>ITB 40.1</b> prior to the expiry of bid validity period, and notification of award shall be communicated to the bidder to furnish the performance security and sign the contract within <b>fifteen days</b>.</p> <p>42.3 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</p>

	any partner of JV such bidder's bid shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
<b>43. Performance Security</b>	<p>43.1 Within fifteen (15) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, 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 VIII (Contract Forms) or another form acceptable to the Purchaser.</p> <p>i) If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent less than 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 inclusive of Value Added Tax.</p> <p>43.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security and black listing. In that event the Purchaser shall award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.</p>
<b>44. Signing of Contract</b>	<p>44.1 The successful Bidder shall sign the contract in the form included in section VIII after the submission of performance security in accordance with ITB 43.</p> <p>44.2 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/package 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>44.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, within thirty days from the date of issuance of notification pursuant to ITB 42.1, requests in writing the grounds on which its bid was not selected.</p> <p>44.4 If the bidder whose bid has been accepted fails to sign the contract as stated ITB 44.1, the Public Procurement Monitoring Office shall blacklist the bidder on recommendation of the Public Entity.</p>
<b>45. Complaint and</b>	45.1 If a Bidder dissatisfies with the Procurement proceedings or the decision



Review	<p>made by the Purchaser in <b>opening of the price bid or</b> the intention to award the Contract, it may file an application to the Chief of the concerning Public Entity of the Purchaser within seven (7) days of <b>providing the notice under ITB 27.8 and ITB 42.1 by the Public Entity,</b> for review of the proceedings stating the factual and legal grounds.</p> <p>45.2 An application filed after the deadline pursuant ITB <b>45.1</b> shall not be processed.</p> <p>45.3 The chief of Public Entity of the Purchaser shall, within five (5) days after receiving the application, give its decision with reasons, in writing pursuant to ITB <b>45.1</b>:</p> <p>(a) whether to suspend the procurement proceeding and the procedure for further proceedings to be adopted; or</p> <p>(b) whether or not to reject a application.</p> <p>No application can be submitted before the Review Committee for review against the decision made by the chief of the Public Entity for the Bid amount up to the value <b>as stated in BDS</b>.</p> <p>45.4 If the Bidder is not satisfied with the decision of the Public Entity in accordance with ITB <b>45.3</b>, or the decision by the Public Entity is not given within five (5) days of receipt of application pursuant to ITB <b>45.1</b>, 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 is above the amount as stated in ITB <b>45.3</b>. The application may be sent by hand, or by post, or by courier, or by electronic media at the risk of the Bidder itself.</p> <p>45.5 Late application filed after the deadline pursuant to ITB <b>45.4</b> shall not be processed.</p> <p>45.6 Within three (3) days of the receipt of application from the Bidder, pursuant to ITB <b>45.4</b>, the Review Committee shall notify the concerning Public Entity of the Purchaser to furnish its procurement proceedings and comments on the issue, pursuant to ITB <b>45.3</b>.</p> <p>45.7 Within three (3) days of receipt of the notification pursuant to ITB <b>45.6</b>, the Public Entity shall furnish the copy of the related documents along with its comment or reaction of complaint to the Review Committee.</p> <p>45.8 The Review Committee, after inquiring from the Bidder and the Public Entity, if needed, shall give its decision within one (1) month after receiving the application filed by the Bidder, pursuant to ITB <b>45.4</b>.</p> <p>45.9 The Bidder, filing application pursuant to ITB <b>43.4</b>, shall have to furnish a cash amount or Bank guarantee <b>from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law as stated in BDS</b> with the validity period of at least ninety (90) days from the date of the filing of application pursuant to ITB <b>45.4</b>. Application filed without furnishing the security deposit shall not be processed.</p> <p>45.10 If the claim made by the Bidder pursuant to ITB <b>45.4</b> is justified, the Review Committee shall have to return the security deposit to the applicant, pursuant to ITB <b>45.9</b>, within seven (7) days of such decision made.</p>
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	45.11 If the claim made by the Bidder pursuant to ITB 45.4 is rejected by the Review Committee, the security deposit submitted by the Bidder pursuant to ITB 45.9 shall be forfeited.
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## Section II. Bid Data Sheet

## Section II. Bid Data Sheet

A. Introduction	
<b>ITB 1.1</b>	The number of the Invitation for Bids (IFB) is: <b><i>NEA-SJHPS-2081/082-EM/ST-03; SUPPLY, DELIVERY, INSTALLATION, TESTING AND RETROFITTING OF SPARE PARTS FOR GOVERNOR OIL PRESSURE UNIT OF SUNDARIJAL HYDROPOWER STATION</i></b>
<b>ITB 1.1</b>	Name of the Purchaser: <b><i>Sundarijal Hydro Power Station, Sundarijal, Kathmandu</i></b>
<b>ITB 2.1</b>	Source of Fund: <b><i>Internal Resources of Nepal Electricity Authority</i></b> Name of the Project: <b><i>[Not Applicable]</i></b> Name of the DP: <b><i>[Not Applicable]</i></b> Implementing Agency: <b><i>Sundarijal Hydropower Station, NEA</i></b>
<b>ITB 4.1</b>	Bidders from the following countries are not eligible: <b><i>[Not Applicable]</i></b>
<b>ITB 4.2</b>	<b>Maximum number of partner in a joint venture shall be: 3 (three)</b>
<b>ITB 4.4</b>	<b>A list of debarred firms is available at <a href="http://www.ppmo.gov.np">http://www.ppmo.gov.np</a></b>
<b>ITB 4.9</b>	The foreign Bidder shall submit at the time of bid submission: <ul style="list-style-type: none"> <li>(i) Notarized Copy of Firm / Company Registration Certificate</li> <li>(ii) A written declaration made by the bidder, with a statement that s/he is not ineligible to participate in the procurement proceedings; has no conflict of interest in the proposed procurement proceedings, and has not been punished for a profession or business related offence.</li> <li>(iii) Joint Venture Authorization/ Agreement (if any)</li> <li>(iv) A Notarized Power of Attorney authorizing the signatory of the bid to commit the Bid on behalf of the Bidder.</li> <li>(v) Declaration of local agent with percentage of commission.</li> <li>(vi) Declaration to submit VAT registration certificate, at the time of contract agreement.</li> <li>(vii) Other documents as needed</li> </ul>
<b>ITB 5.1</b>	Goods and related services to be supplied from following countries are not eligible: <b><i>Not Applicable</i></b>
B. Bidding Document	
<b>ITB 8.1</b>	For <b>clarification purposes</b> only, the Purchaser's address is: Attention: Name of the Purchaser is <b><i>Nepal Electricity Authority Generation Directorate Medium Generation Operation and Maintenance Department Sundarijal Hydropower Station Sundarijal, Kathmandu, Nepal Tel. :01-4801394 Email:- sundarijal@nea.org.np</i></b>
<b>ITB 8.1</b>	The purchaser will respond in writing to any request for clarification provided that such request is received no later than <b>Ten (10)</b> days prior to the deadline date for submission of bid.

ITB 8.2	Pre-Bid meeting “ <i>shall not</i> ” be organized. If a Pre-Bid meeting will take place, it will be at the following date, time and place: <b>Date: N/A</b> <b>Time: N/A</b> <b>Place: N/A</b>														
<b>C. Preparation of Bids</b>															
ITB 11.1	The language of the Bid is: <b>Nepali or English</b>														
ITB 12.1 (h)	The Bidder shall submit the following additional documents with its Bid: insert any other documents required, such as,  <i>[Insert list of document/s]</i> <b>(i) Power of Attorney (Notarized)</b> <b>(ii) Joint Venture Agreement (if any)</b> <b>(iii) Manufacturer’s Authorization, if necessary</b> <b>(iv) ISO or any international Standard Certificate, if necessary</b> <b>(v) Other documents</b>														
ITB 14.1	Alternative Bids: <b>Not applicable</b>														
ITB 15.4	The prices quoted by the Bidder shall be: <b>Not be Adjustable</b>														
ITB 19.2	A Manufacturer’s Authorization letter is required for:  <b>“Manufacturer’s Authorization” for items as “asked in Technical Data Sheet”</b>														
ITB 19.3	The Bidder “is” required to include with its bid, evidence that it will be represented by an Agent in Nepal.														
ITB 20.1	The bid validity period shall be <b>Ninety (90)</b> calendar days after the date of Bid closing prescribed by NEA														
ITB 21.1	The bid must be accompanied by bid security, amounting to a minimum of <b>NRs 1,20,000.00/-</b> , which shall be <i>valid for minimum 30days</i> beyond the bid validity period.														
ITB 21.2	If the Bidder wishes to submit the Bid Security in the form of cash, the cash should be deposited in Deposit Account No.: <b>00201017505786</b> of <b>NEA SUNDARIJAL HYDROPOWER STATION, KATHMANDU</b> at <b>Nabil Bank Ltd., Tindhara, Kathmandu, Branch</b> and submit the receipt of the deposited amount of cash along with the bid.														
ITB 22.1	The written confirmation of Authorization to sign on behalf of the Bidder shall consist of: <b>Power of Attorney</b> to sign the bid														
<b>D. Submission and Opening of Bids</b>															
ITB 23.1	Bidders <b>shall have</b> the option of submitting their bids: <b>by electronic only</b>														
ITB 23.1 (b)	Additional documents <u>Technical Bid</u> <table border="1" data-bbox="400 1854 1469 2112"> <thead> <tr> <th>S. N.</th> <th>Document</th> <th>Requirement</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>Technical Data Sheet</td> <td>Mandatory</td> <td>PDF</td> </tr> <tr> <td>14</td> <td>Manufacturer authorization letter for equipment mentioned in ITB 19.2</td> <td>Mandatory</td> <td>PDF</td> </tr> </tbody> </table>			S. N.	Document	Requirement	Remarks	13	Technical Data Sheet	Mandatory	PDF	14	Manufacturer authorization letter for equipment mentioned in ITB 19.2	Mandatory	PDF
S. N.	Document	Requirement	Remarks												
13	Technical Data Sheet	Mandatory	PDF												
14	Manufacturer authorization letter for equipment mentioned in ITB 19.2	Mandatory	PDF												

	16	Product Catalogue/brochure/ Reports	Test	Mandatory, where Applicable	PDF
<b>ITB 24.1</b>	For bid submission purposes only, the Purchaser/Employer's address is: <b>Nepal Electricity Authority Generation Directorate Medium Generation Operation and Maintenance Department Sundarijal Hydropower Station Sundarijal, Kathmandu, Nepal Tel .01-4801394</b>				
<b>ITB 24.1</b>	The deadline for bid submission is: <b>Date: 2081-12-03</b> <b>Time: till 12:00 hrs. Noon</b> <b>e-submission from PPMO's e-GP system</b>				
<b>ITB 24.1</b>	If the last date of purchasing, submission and opening of Bid falls on a government holiday then the next working day shall be considered as the last day without any change in the time and place as fixed.				
<b>ITB 27.1</b>	The bid opening shall take place at: <b>Date: 2081-12-03</b> <b>Time: 13:00 hrs.</b> <b>Place :</b> <b>Nepal Electricity Authority Generation Directorate Medium Generation Operation and Maintenance Department Sundarijal Hydropower Station Sundarijal, Kathmandu, Nepal Tel .01-4801394</b>				
<b>ITB 27.3</b>	If electronic bid submission is permitted in accordance with ITB 23.1, the specific bid opening procedures shall be:  The e-procurement system allows the Purchaser to download the e-submitted bid files (report) only after bid opening date and time after login simultaneously by two members of the Bid opening committee.				
<b>E. Evaluation and Comparison of Bids</b>					
<b>ITB 32.8</b>	Technical Bids shall be rejected as being non-responsive if:  a. The bidder has not purchased and submitted the original document issued by NEA via e-GP site.  b. The Bid Documents is issued in the name of one firm and Bid proposal submitted by another firm.  c. The both Technical and Price Bids does not contain wax sealed bid proposal.  d. The both Technical and Price Bids is not signed and stamped by the bidder or their authorized representative.  e. It is proved that bidders have submitted the bids by making such arrangements that limits the participation of other bidders or influences the bid price in any manner.  f. The Bids is received by NEA after the deadline for submission of Bids.  g. All the information required by the bid documents is not mentioned or falsely quoted.  h. The documents and guarantee/bank voucher as required by the bid are not attached				

	<p>with the technical bid proposal.</p> <ul style="list-style-type: none"> <li>i. The notarized copy of joint venture agreement is not attached, in case the bidder is participating in the bid in Joint Venture.</li> <li>j. The percent of commission only to the bidder's agent are not revealed.</li> <li>k. Any other conditions with the agent are not revealed or falsely mentioned.</li> <li>l. The notarized power of attorney to sign the bid on behalf of joint venture is not attached.</li> <li>m. The percentage of liability among joint venture partners is not clearly mentioned.</li> <li>n. The bid is conditional.</li> <li>o. Any conditions mentioned in tender invitation are not fulfilled.</li> <li>p. Data on qualifications of Bidder/ Manufacturer are not filled and the supporting documents required by the forms are not furnished.</li> <li>q. Proposed delivery schedule showing completion dates more than NEA's requirement.</li> <li>r. The Bid fails to satisfy that Bid is fully cognizant of the scope and details of the work involved.</li> <li>s. The Bid does not contain technical information and documents for major items required by the Specifications for materials on which the bidder is offering.</li> <li>t. The offered goods are not substantially in compliance with the specification.</li> <li>u. If the attached Technical Data Sheet in the specification is not properly completed and/or data furnished are not supported by the catalogues and test reports (wherever required).</li> <li>v. Qualification criteria as per <b>Section III</b> are not met.</li> <li>w. The description provided by the bidders pertaining to the qualification is found to be false or is substantially incomplete.</li> <li>x. The bidder is blacklisted in its contractual obligations in past NEA contracts.</li> <li>y. If the required documents are not submitted authenticated English version. However, the documents in Nepali language issued from the concerned authority of Nepal will also be accepted.</li> <li>z. The Bid Security (Bid Bond) is not enclosed pursuant to Clause 21 or is not acceptable in form and / or substance.</li> <li>aa. The Bid Security submitted is not specifically mentioned to be applicable to the Technical offer of the Bidder.</li> <li>bb. The Bid Bond submitted by someone other than the Bidder does not clearly mention that the Bond is submitted on behalf of the Bidder in the Bid Bond itself.</li> <li>cc. The Bid Bond is not in the name of Joint Venture, in case of Joint Ventures.</li> <li>dd. If the Price Bid(or discloser of Price)is submitted together with Technical Bid, the Employer shall reject the entire Bid.</li> </ul>
<b>ITB 35.3</b>	Price Bids shall be rejected as being non-responsive if:

	<p>a. The Bid has price escalation clause.</p> <p>b. The bid price of lowest substantially responsive bidder is substantially higher than the estimated price.</p>
<b>ITB 38.3 (a)</b>	Bids will be evaluated lot by lot/package (may be multiple or single). If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items. An item not listed in the Price Schedule shall be assumed to be not included in the bid, and provided that the bid is substantially responsive, the average price of the item quoted by substantially responsive bidders will be added to the bid price and the equivalent total cost of the bid so determined will be used for price comparison.
<b>ITB 38.3 (e)</b>	No Provision for adjustment and the price shall be fixed.
<b>F. Award of Contract</b>	
<b>ITB 41.1</b>	The maximum percentage by which quantities may be increased/ decreased is upto15%
<b>ITB 45.3</b>	No application can be submitted before the Review Committee for review against the decision made by the chief of the Public Entity for the bid amount up to the value of Nepalese Rupees 20,000,000 (Twenty Million)
<b>ITB 45.9</b>	The bidder, filling application pursuant to ITB 45.4, shall have to furnish a cash amount or Bank guarantee equal to ten percent (10 %) of amount of bid security in case of complaint against decision pursuant to ITB 27.8 and one percent (1%) of its quoted Bid amount in case of complaint against decision pursuant to ITB 42.1
<b>ITB 46.1</b>	This clause is added as: If any provision of this document are inconsistent with Public Procurement Act(PPA), 2063 or NEA, Financial Administration Regulation, 2068, the provision of this documents shall be void to the extent of such inconsistency and the provision of Public Procurement Act (PPA), 2063 and NEA, Financial Administration Regulation, 2068 shall prevail.

## **Section III. Evaluation and Qualification Criteria**

## Section III - Evaluation and Qualification Criteria

This Section contains all the criteria that the Purchaser/Employer shall use to evaluate bids and qualify Bidders if the bidding was preceded 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 31, ITB 32, ITB 34 and ITB 38 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). The EQC is not a Contract document and, therefore, it is not a part of the Contract.

### 1. EVALUATION

In addition to the criteria listed in **ITB 31, ITB 35 & ITB 38** the following criteria shall apply:

#### *Evaluation Criteria*

##### 1.1 Technical Criteria

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 V (Schedule of Requirements).

The Bidder shall give information about his past performance by stating in his Bid the names of the contracts which he/she has accomplished, within the last Five years, similar Work, by indicating the year, type of Work, quantity and Contract number. The Bidder shall state in his Bid the full names and addresses, telephone, fax numbers of the Clients and the names of the Contact person. For the purpose of verifying the information and data submitted by the Bidder, NEA reserves the right to collect necessary information from these Clients.

##### 1.2 Economic Criteria

###### 1.2.1 Adjustment for Scope

1.2.1.1 Local Handling and Inland Transportation: **“Not Applicable”**

###### 1.2.1.2. Minor Omissions or Missing Items

Pursuant to Sub-Clause 33.3 of the Instructions to Bidders, the cost of all quantifiable nonmaterial nonconformities or omissions from the contractual and commercial conditions shall be evaluated. The Procuring Entity will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of Bids.

1.2.2 Adjustment for Deviations from the Terms of Payment: **“Not Applicable”**

1.2.3 Adjustment for Deviations in the Delivery and Completion Schedule: **“Not Applicable”**

1.2.4 Operating and Maintenance Costs: **“Not Applicable”**

1.2.5 Spare Parts and after Sales Service Facilities: **“Not Applicable”**

1.3 Multiple Contracts: **“Not Applicable”**



## 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 Conflict of Interest

No conflicts of interest in accordance with ITB 4.3.	must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Letter of Technical Bid
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#### 2.1.2 Government/ DP Entity 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
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#### 2.1.3 Government-Owned Entity

Bidder required to meet conditions of ITB 4.5.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Letter of Technical Bid; Forms ELI – 1 and ELI - 2
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#### 2.1.4 UN Eligibility

Not having been excluded by an act of compliance with a United Nations Security Council resolution in accordance with ITB 4.7.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Technical Bid Submission Sheet
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#### 2.1.5 Nationality

Nationality in accordance with ITB 4.8.	Must meet requirement	Must meet requirement	Must meet requirement	Not applicable	Letter of Technical Bid; Forms ELI – 1 and ELI – 2 with attachments
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#### 2.1.6 Other Eligibility

Criteria	Compliance Requirements				Documents
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Firm Registration Certificate	Must meet requirement	not applicable	Must meet requirement	Not applicable	Document attachment

Criteria	Compliance Requirements			Documents	
	Requirement	Single Entity	Joint Venture		Submission
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/evidence of time extension for the <b>F/Y 2080/081</b> (Only for domestic bidders)	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment
A written declaration made by the bidder with a statement that s/he is not ineligible to participate in the procurement proceedings; has no conflict of interest in the proposed procurement proceedings, and has not been punished for a profession or business-related offence.	must meet requirement	not applicable	must meet requirement	not applicable	Document attachment
Joint Venture Authorization/Agreement (if any)	not applicable	must meet requirement	not applicable	not applicable	Document attachment
Notarized Power of Attorney.	must meet requirement	must meet requirement	not applicable	not applicable	Document attachment

## 2.2 Pending Litigation

Criteria	Compliance Requirements			Documents	
	Requirement	Single Entity	Joint Venture		Submission Requirements
			All Partners Combined	Each Partner	One Partner
All pending litigation, arbitration or other material events impacting the net worth and/or liquidity of the bidder, if any, shall be treated as resolved against the Bidder and so shall in total not represent more than <b>50 (Fifty) percent</b> of the Bidder's net worth calculated as the difference between total assets and total liabilities.	Must meet requirement	Not applicable	Must meet requirement	Not applicable	Form LIT - 1

## 2.3 Financial Situation

### 2.3.1 Historical Financial Performance

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Submission of audited balance sheets and income statements for the last <b>3 (Three)</b> years to demonstrate the current soundness of the Bidder's financial position. As a minimum, the 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

### 2.3.2 Average Annual Turnover

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Minimum average annual turnover of NRs. <b>(2.5 million)</b> ..... calculated as total payments received by the Bidder for supply contracts completed or under execution over the last three years.	Must meet requirement	Must meet requirement	Must meet 25 % of the requirement	Must meet 40% of the requirement	Form FIN – 2

### 2.3.3 Financial Resources

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets unencumbered real assets, and other financial resources, (other than any contractual advance payments) to meet the cash-flow requirement of NRs.... <b>(2.5 million)</b> ....	Must meet requirement	Must meet requirement	Must meet 25 % of the requirement	Must meet 40 % of the requirement	Form FIN - 3

## 2.4 Experience

### 2.4.1 General Experience

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Experience under supply contracts in the role of prime supplier (single entity or JV member) or subcontractor for at least the last <b>3 (Three)</b> years prior to the applications submission deadline.	Must meet requirement	Not applicable	Must meet requirement	Not applicable	Form EXP – 1

### 2.4.2 Specific Experience

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Experience under supply contracts in the role of prime supplier (single entity or JV member) or subcontractor in at least <b>1 (one) or 2 (Two) Contract</b> (s) within the last three (3) years, with a value of at least NRs ..... <b>(2.4 million)</b> .... (total of all contracts) with nature, and complexity similar to the scope of supply and related services;  <b>Supply, Delivery, Installation, Testing &amp; Commissioning and/or Retrofitting of Spare Parts for Hydraulic Governor Oil Pressure Unit or whole system for same Or Hydraulic Operated Valve or Gear Pump or Accumulator involved contract.</b>	Must meet requirement	Must meet requirement	Not applicable	Not applicable	Form EXP – 2

### 2.4.3 Technical Experience

Criteria	Compliance Requirements			Documents	
	Requirement	Single Entity	Joint Venture		
All Partners Combined			Each Partner	One Partner	
<p>The Bidder or Manufacturer shall demonstrate that the goods offered have:</p> <p>(i) been in production for at least <b>3 (Three)</b> years or if the offered model is a new the manufacturer must have experience in producing the similar model for a minimum of <b>3 (Three)</b> years;</p> <p>(ii) been sold a minimum of <b>1 lot of units of similar type and specification of Governor Oil Pressure Unit (OPU) and/or its Spare parts of offered manufacturer</b> over the last three years; and</p> <p>(iii) Been in operation for a minimum of <b>1 (One)</b> year.</p>	Must meet requirement	Must meet requirement	Not applicable	Not applicable	Form EXP – 3

### 2.5 Personnel

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

SN	Position	Academic Qualification (When Position demands)	Total Work Experience (Years)	Experience in Similar Works [years]

*Note: The bidder must submit the copy of documentary evidence for this along with bid document for required Personnel.*

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Information Forms included in Section 4 (Bidding Forms).

### 2.6 Equipment

The Bidder must demonstrate that it has the key equipment listed hereafter and shall be provided by bidder for complete application period only. Employers shall bear no responsibility of any damage; defects arise for listed equipment during use of such equipment and returned to bidder, whatever condition:

SN	Equipment Type and Characteristics	Min. Number Requirement

In case the Bidder proposes to consider Equipment that may be spared from committed/ongoing contracts for Evaluation, the Bidder shall provide details of Equipment which will be spared from committed / ongoing contracts clearly demonstrating the availability of such equipment with respect to the physical progress of the ongoing contracts on the date of bid submission. Based on the details so submitted by the Bidder, only the spared equipment proposed for the contract shall considered for evaluation. In case of Equipment to be leased/hired the same procedures as mentioned above shall apply. The Bidder must demonstrate that it has the key equipment listed hereafter.

**i. For the equipment under Manufacturer's ownership**

SN	Equipment Type and Characteristics	Total Nos. of Equipment's under Bidder's Ownership	No. of Equipment's engaged/proposed for ongoing/committed contracts	Nos. of Equipment's proposed for this contract

**ii. For the equipment to be leased/hired**

SN	Equipment Type and Characteristics	Total Nos. of Equipment's under the ownership of lease/hire provider	No. of Equipment's engaged/committed for other works	Nos. of Equipment's proposed to be leased/hired for this contract

The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV (Bidding Forms).

The Bidder/Lease Owner shall be solely responsible for the data provided. However, this shall not limit the right of employer to verify the authenticity of submitted information. The Bidder shall provide further details of proposed items of equipment using the relevant Form in Section IV (Bidding Forms).

## Section IV. Bidding Forms



## Letter of Technical Bid

*The Bidder shall accomplish the Letter of Technical Bid in its Letter Head Clearly showing the Bidders Complete name and address.)*

Date: \_\_\_\_\_

Invitation for Bid No.: \_\_\_\_\_

To:

**Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station  
Sundarijal, Kathmandu  
Tel.:01-4801394**

We, the under signed, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) Clause 9;
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the **Section V**(Schedule of Requirements), the following Goods and Related Services: *[insert a brief description of the goods and related services];*
- (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 20.1 of the BDS]*days from the date fixed for the bid submission deadline in accordance with the Bidding Document, 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, has nationalities from eligible countries in accordance with ITB 4.8 and meets the requirements of ITB 3.4 & 3.5;
- (e) We are not participating, as a Bidder or as a subcontractor/supplier, in more than one Bid in this bidding process in accordance with ITB 4.3(e), other than alternative Bids in accordance with ITB 14;
- (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 Purchaser'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;1
- (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) The following commissions, gratuities, or fees, if any, have been paid or are to be paid with respect to the bidding process or execution of the Contract:

**Name of Recipient**

**Address**

**Reason**

**Amount**

\_\_\_\_\_

<sup>1</sup> Select one of the options

*(If none has been paid or is to be paid, indicate "none.")*

- (j) 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 purchaser.
- (k) We agree to permit GoN/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 GoN/DP.

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date \_\_\_\_\_

## Letter of Price Bid

*(Please Refer to Price Bid; Vol II of II)*

## ELI-1: Bidder's Information Form

*[The Bidder shall fill in this Form. No alterations to its format shall be permitted and no substitutions shall be accepted. In case of joint venture, each partner shall fill the information in separate form.]*

Date: ..... [insert date (as day, month and year) of Bid Submission]

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1.	Bidder's Legal Name:	<i>[insert full name]</i>
2.	In case of JV, legal name of the representative member and of each member:	<i>[insert full name of each member in the JV and specify the representative member]</i>
3.	Bidder's Country of Registration:	<i>[insert country of registration]</i>
4.	Bidder's Year of Registration:	<i>[insert year of incorporation]</i>
5.	Bidder's Legal Address in Country of Registration	<i>[insert street/number/town or city/country]</i>
6.	Bidder's trading address:	<i>[insert street/number/town or city/country]</i>
7.	Bidder's Telephone/Fax numbers:	<i>[insert telephone/fax numbers, including country and city codes]</i>
8.	Bidder's Email Address:	<i>[insert email address]</i>
9.	Bidder's Authorized Representative Information:	
	Name:	<i>[insert full name]</i>
	Address:	<i>[insert street/number/town or city/country]</i>
	Telephone/Fax numbers:	<i>[insert telephone/fax numbers, including country and city codes]</i>
	Email Address:	<i>[insert email address]</i>
<p><b>Attached are copies of the following documents:</b></p> <ol style="list-style-type: none"> <li>1. In case of a single entity, articles of incorporation or constitution and company incorporation/registration of the legal entity named above, in accordance with ITB 4.2 and ITB 4.8</li> <li>2. Authorization to represent the firm or Joint Venture named above, in accordance with ITB 22.2</li> <li>3. In case of a Joint Venture, a letter of intent to form a Joint Venture or Joint Venture agreement, in accordance with ITB 4.2</li> <li>4. In case of a government-owned enterprise, any additional documents not covered under 1 above required to comply with ITB 4.5</li> </ol>		

### ELI-2: Joint Venture Information Form

	Joint Venture legal name:  Address:	
Lead Partner	Name of the Lead Partner in Joint Venture:  Share of the Lead Partner:  Place of Firm Registration:  Place of Business Registration:  Percentage of Partnership:	
Partner	Name of the Partner in Joint Venture:  Share of the Lead Partner:  Place of Firm Registration:  Place of Business Registration:  Percentage of Partnership:	
Partner	Name of the Partner in Joint Venture:  Share of the Lead Partner:  Place of Firm Registration:  Place of Business Registration:  Percentage of Partnership:	
	Name of the partner authorized to sign the Bid: Address: Telephone: Email Address	
1. Articles of incorporation or constitution and company incorporation/registration of the legal entity named above, in accordance with ITB 4.2 and ITB 4.8 2. Authorization to represent the firm named above, in accordance with ITB 22.2 3. In the case of a government-owned enterprise, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 4.5		

## Form LIT 1: Pending Litigation Form

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

**Choose one of the following:**

- *No pending litigation, arbitration or any other material events impacting the net worth and/or liquidity of the bidder.*
- *Below is a description of all pending litigation, arbitration involving the Bidder or any other material events impacting the net worth and/or liquidity of the bidder (or each Joint Venture partner if Bidder is a Joint Venture).*

Year	Matter in Dispute	Value of Pending Claim in NRs	Value of Pending Claim as a Percentage of Net Worth
<i>[insert year]</i>	<ul style="list-style-type: none"> <li>• <i>Contract Identification: [indicate complete Contract name, number, and any other identification]</i></li> <li>• <i>Name of Purchaser: [insert full name]</i></li> <li>• <i>Address of Purchaser: [insert street/city/country]</i></li> <li>• <i>Matter in dispute: [indicate main issues in dispute]</i></li> <li>• <i>Party who initiated the dispute: [indicate "Purchaser" or "Supplier"]</i></li> <li>• <i>Status of dispute: [indicate if it is being treated by under Arbitration or being dealt with by the Judiciary]</i></li> </ul>	<i>[insert amount]</i>	<i>[insert amount]</i>

## Form FIN-1: Financial Situation Form

Each Bidder must fill out this form.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

Joint Venture Partner: [Insert Name of Joint Venture Partner]

Financial Data for Previous 3 Years (in NRs)		
Year 1:	Year 2:	Year 3:

### Information from Balance Sheet

<b>Total Assets (TA)</b>			
<b>Total Liabilities (TL)</b>			
<b>Net Worth = TA-TL</b>			
<b>Current Assets (CA)</b>			
<b>Current Liabilities (CL)</b>			
<b>Working Capital = CA-CL</b>			

### Information from Income Statement

<b>Total Revenues</b>			
<b>Profits Before Taxes</b>			
<b>Profits After Taxes</b>			

- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for number of years, as indicated above, complying with the following conditions:
- All such documents reflect the standalone financial situation of the legal entity or entities comprising the Bidder and not the Bidder's parent companies, subsidiaries, or affiliates.
  - Historic financial statements must be audited by a certified accountant.
  - Historic financial statements must be complete, including all notes to the financial statements.
  - Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

## Form FIN-2: Average Annual Turnover Form

Each Bidder must fill out this form.

The information supplied should be the Annual Turnover of the Bidder or each partner of a Joint Venture 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.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name:

*Joint Venture Partner: .....[Insert Name of Joint Venture Partner].....*

Annual Turnover Data for the Last ..... Years	
Year	Amount (in NRs)
<b>Average Annual Turnover</b>	



## Form FIN-3: Financial Resources Form

*Specify proposed sources of financing, such as liquid assets<sup>2</sup>, unencumbered real assets, and other financial means (other than any contractual advance payments) available to meet the total cash flow requirements of the subject contract*

Financial Resources		
No.	Source of financing	Amount (in NRs)
1		
2		
3		

---

<sup>2</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 (1) year.

### Form EXP-1: General Experience

*[The following table shall be filled in for the Bidder and for each member of aJV. Each contract shall be supported by Signed Contract Agreement or any other relevant evidence.]*

*[Identify contracts that demonstrate continuous supply over the past [number] years. List contracts chronologically, according to their commencement (starting) dates.]*

General Experience			
Starting Year	Ending Year	Contract Identification	Role of Bidder
<i>[indicate year]</i>	<i>[indicate year]</i>	<ul style="list-style-type: none"> <li>Contract name: <i>[insert full name]</i></li> <li>Brief description of the supply performed by the Bidder: <i>[describe supply performed briefly]</i></li> <li>Amount of contract: <i>[insert amount]</i></li> <li>Name of Purchaser: <i>[indicate full name]</i></li> <li>Address: <i>[indicate street/number/town or city/country]</i></li> </ul>	<i>[insert "Prime Supplier" (Single entity or JV member) or "Subcontractor"]</i>

## Form EXP-2: Specific Experience Form

*[The following table shall be filled in for contracts performed by the Bidder and by each member of a JV. Each contract shall be supported by Signed Contract Agreement or any other relevant evidence.]*

Contract of Similar Nature		
Item	Information	
Contract Identification	<i>[insert contract name and reference identification number, if applicable]</i>	
Award date	<i>[insert day, month, year, e.g., 10 January, 2022]</i>	
Completion date	<i>[insert day, month, year, e.g., 12 July, 2022]</i>	
Role in Contract <i>[check the appropriate box]</i>	Prime supplier Single entity <input type="checkbox"/> JV Member <input type="checkbox"/>	Sub-contractor <input type="checkbox"/>
Total Contract amount	<i>[insert total contract amount]</i>	<i>[Insert Currency]</i>
Description of the contract performed by the Bidder	<i>[Insert brief description of contract to justify similarity]</i>	
If partner in a JV or subcontractor, specify participation of total Contract amount	<i>[Insert percent of total]</i>	<i>[Insert Amount]</i>
Purchaser's Name:	<i>[Insert full name]</i>	
Purchaser's Address:	<i>[indicate street / number / town or city / country]</i>	
Purchaser's Telephone/fax number:	<i>[insert telephone/fax numbers, including country and city area codes]</i>	
Purchaser's E-mail:	<i>[insert E-mail address, if available]</i>	

The Bidder shall complete this form for each contract completed.

### Form EXP - 3: Technical Experience

Fill out one (1) form per contract. Each contract shall be supported by Signed Contract Agreement *or any other relevant evidence.*

<b>Technical Experience</b>				
Name of Product				
Manufacturer:		Address and Nationality:		
(i) Product has been in production for at least. . . . . years.	Description of Goods	Year of Production		Number of units produced
	<i>[insert description of Goods]</i>	<i>[insert years]</i>		<i>[insert number]</i>
(ii) Product (or equipment) has been sold a minimum of. . . . . units of similar type and specification over the last three (3) years.	Description of Goods	Year of Production		Number of units that has been sold
	<i>[insert description of Goods]</i>	<i>[insert years]</i>		<i>[insert number]</i>
(iii) Product has been in operation for a minimum of . . . . . years.	Description of Goods	Number of units that has been sold and years		Details of purchasers
	<i>[insert description of Goods]</i>	<i>[insert number]</i>	<i>[insert year]</i>	<i>[insert name, address (street / number / town or city / country), telephone/fax numbers with country and city code, email addresses if available]</i>

## Form EXP - 4: Production Capacity

Fill out one (1) form per product and manufacturer.

Production Capacity	
<b>Name of Product</b>	
<b>Manufacturer:</b>	<b>Address and Nationality:</b>
<b>Production facility 1 (include location):</b>	<i>[Insert description of goods and production capacity]</i>
<b>Production facility 2 (include location):</b>	<i>[Insert description of goods and production capacity]</i>
<b>Production facility 3 (include location):</b>	<i>[Insert description of goods and production capacity]</i>

## Form Spec-1: Bidder's proposed Specification Form

*The bidder shall fill this form to provide the information on technical specifications and standards of offered goods. Bidder's Proposed Technical Specifications and Standards in column 4 shall comply with the Purchaser Requirement (Specifications and standards) specified by the Purchaser in the Schedule of Requirements.*

<b>Item No.</b>	<b>Name of Goods or Related Service</b>	<b>Country of Origin and Brand</b>	<b>Bidder's Proposed TS and Standards</b>	<b>Reference page/ no./ Catalogue page/ no.</b>	<b>Status of compliance<sup>3</sup></b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<i>[insert item No.]</i>	<i>[insert name]</i>	<i>[insert country of Origin and Brand name]</i>	<i>[insert TS and Standards]</i>	<i>[insert reference page or no. / catalogue page or no. if any]</i>	<i>[insert status]</i>

<sup>3</sup>The bidder shall state as Fully compliance or Partially compliance or Compliance

## Statement of Non-involvement in Bankruptcy

To.

**Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station  
Sundarijal, Kathmandu  
Tel.:01-4801394**

Gentleman,

It is here by certify that... .. **[Name of Bidder]** has never either himself or any of his direct associates or any of his administrators has been involved in any case of bankruptcy or suspension of payments.

Signed and sealed this day ..... of .....

.....

Bidder's Name in Print and Signature

## Technical Proposal Format

Personnel

Equipment

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Others



## Personnel

### FormPER-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 III (Evaluation and Qualification Criteria). 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]

\*As listed in Section III (Evaluation and Qualification Criteria)

## FormPER-2: Resume of Proposed Personnel

\*The Bidder shall provide all the information requested below. Fields with asterisk (\*) shall be used for evaluation

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

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 III Evaluation and Qualification Criteria). A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder. The Bidder shall provide all the information requested below, to the extent possible. Fields with asterisk (\*) shall be used for evaluation.

**(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.				

**(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.				
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 projec	

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.

#### 1. Site Organization

The Bidder shall show herein an Organgram format the organization of his site personnel showing clearly designated duties and responsibilities and the chain of command throughout the structure. Included in the chart shall be the names of respective personnel.

#### 2. Method Statement

The Bidder shall provide here a brief description of how the Works are to be undertaken. The description shall indicate how each activity is to be undertaken.

#### 3. Mobilization Schedule

The Bidder shall provide here a general description of the arrangements and methods which he proposes to adopt for the execution of the Works which shall include but not be limited to:-

- i) Mobilization period including periods required for establishing the Contractor's offices, workshops etc. and the facilities required for the Engineer and his staff.
- ii) Sources of Contractor's equipment and mobilization periods for items of plant.

#### 4. Work Schedule

The Bidder shall provide here his proposed program for Works within the Time for Completion. The program shall be presented in the form of a bar chart showing main construction activities with **Milestones**. Associated groups of construction equipment shall be listed.

#### 5. Others

[Insert additional requirement if applicable]

## Statement of Due Performance

To.

**Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station  
Sundarijal, Kathmandu  
Tel.:01-4801394**

Gentleman,

The Bidder hereby declares that, till date, no dispute has raised in any contract executed or under execution other than the cases herewith mentioned. All claims raised have been settled amicably between NEA and the bidder beside the cases listed here below. No civil or criminal case against the bidder has been raised or is currently being raised or being dealt with in court other than the cases here with listed.

List of disputes raised in other contracts:

Contract	Employer	Date of dispute	Amount	Remarks
.....	.....	.....	.....	.....

List of claims pending from other contracts:

Contract	Employer	Date of claim	Amount	Remarks
.....	.....	.....	.....	.....

List of civil criminal cases:

Contract	Employer	Date	Court	Case
.....	.....	.....	.....	.....

Signed and sealed this day ... of ... ..

.....  
BIDDER's Name in Print and Signature

# Price Schedules

*(Please Refer to Price Bid; Vol II of II)*

## Bid Security

**[This is the format for the the Bid Security to be issued on the letterhead by a Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law specified by Nepal Rastra Bank]**

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

**Date:.....[insert date].....**

*Beneficiary:*

**Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station  
Sundarijal, Kathmandu  
Tel.:01-4801394**

**BID GUARANTEE No.:.....[insert number].....**

We have been informed that *[insert name of the Bidder]* (hereinafter called "the Bidder") intends to submit its bid to you (hereinafter called "the Bid") for the execution of *[insert name of contract]* under Invitation for Bids No. *[Insert IFB number]* ("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 *[insert name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount in figures]* *[insert 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 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 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 29.1 of ITB; or
- (d) having been notified of the acceptance of its Bid by the Purchaser 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 expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful Bidder; or (ii) thirty (30) days after the expiration of the Bidder's bid which comes to be *[insert the date]*.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758<sup>4</sup>.

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

*[Note: All italicized text is for use in preparing this form and shall be deleted from the final product.]*

---

<sup>4</sup>As the case may be, ICC Publication No. 758 (or subsequent ICC Publications) may be used. In such cases, modify the Publication number.



## Letter of Commitment for Bank's undertaking for Line of Credit

***Bank's Name, and Address of Issuing Branch or Office  
(On Letter head of the commercial bank or Financial Institution)***

Invitation for Bids No:

Date:

Contract No:

Name of Contract :

To:

***[Name and address of the Procuring Entity]***

### CREDIT COMMITMENT No: *[insert number]*

We have been informed that *[name of Bidder]* (hereinafter called "the Bidder") intends to submit to you its Bid (hereinafter called "the Bid") for the execution of the Contract of *[description of Contract]* under the above Invitation for Bids (hereinafter called "the IFB").

Furthermore, we understand that, according to your conditions, the Bidder's Financial Capacity i.e. Liquid Asset must be substantiated by a Letter of Commitment of Bank's Undertaking for Line of Credit.

At the request of, and arrangement with, the Bidder, we *[name and address of the Bank]* do hereby agree and undertake that *[name and address of the Bidder]* will be provided by us with a revolving line of credit, in case awarded the Contract, for execution of the Contract viz. *[insert name of the Contract]*, for an amount not less than NRs .....*[in figure]* ( *in words*) for the sole purpose of the execution of the above Contract. This Revolving Line of Credit will be maintained by us until Completion of Contract by the Procuring Entity.

In witness whereof, authorised representative of the Bank has hereunto signed and sealed this Letter of Commitment.

Signature

Signature

Note:- See **Special Note regarding Line of Credit** below the table of Financial Resources Form

## Manufacturer's Authorization Letter

*[This letter of authorisation should be on the letterhead of the manufacturer and should be signed by the person with the proper authority to sign documents that are binding on the manufacturer]*

Date: \_\_\_\_\_

IFB No.: \_\_\_\_\_

To:

**Nepal Electricity Authority**  
**Generation Directorate**  
**Medium Generation Operation and Maintenance Department**  
**Sundarijal Hydropower Station**  
**Sundarijal, Kathmandu**  
**Tel.:01-4801394**

WHEREAS *[insert complete name of Manufacturer or Manufacturer's authorized agent]* who are official manufacturers of *[insert type of goods manufactured]* having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* exclusively to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured by us *[insert name and/or brief description of the goods]* and to subsequently sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the General Conditions of Contract, with respect to the Goods offered by the above firm in reply to this Invitation for Bids.

Name: *[insert complete name of person signing the Authorization]*

In the capacity of: *[insert legal capacity of person signing the Authorization]*

Signed: *[insert signature of person whose name and capacity are shown above]*

Duly authorized to sign the Authorization for and on behalf of: *[insert complete name of Manufacturer]*

Date: *[insert date of signing]*

**PART –2**  
**REQUIREMENTS**

**Section V. Schedule of Requirements**

## FORM: DELIVERY AND COMPLETION SCHEDULE

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery (i) at EXW premises, or (ii) to the carrier at the port of shipment when the contract is placed on FOB or CIF terms, or (iii) to the first carrier when the contract is placed on FCA or CIP terms. In order to determine the correct date of delivery here after specified, the Employer has taken into account the additional time that will be needed for international or national transit to the Project Site or to another commonplace.<sup>1</sup>

**Delivery Site:** Power house of NEA, Sundarijal Hydropower Station, Sundarijal, Kathmandu, Nepal

**Delivery Period:** As specified below effective from the date of purchase order.

**Project Completion period:** 5 (Five) Months from the date of contract agreement.

**Job:** Supply, Delivery, Testing, Installation and Retrofitting of Spare Parts for Governor Oil Pressure Unit of Sundarijal Hydropower station

### Completion Schedule required by NEA

1. Goods Delivery Period (Design, Manufacturing, Delivery) and Execution of Work (Installation, Testing and Retrofitting) shall be completed within **5 (Five) months from the date of the Agreement and Work Order.**

### Completion Schedule filled by bidder

2. Goods Delivery Period (Design, Manufacturing, Delivery) and Execution of Work (Installation, Testing and Retrofitting) shall be completed within **..... Months from the date of the Agreement and Work Order.**

## List of Goods and Related Services

Item No.	Description	Units of Measurement	Quantity
1	Oil Level Indicator (Arcylic Body with in-built float, Max. Operating Temperature-80 deg. C, Length-100mm, Height-130mm, Width-25mm) with M10 Fixing Screws	Set	2
2	Breather Filter with Cilica gel (Unit Size- Approx. 20.5 cm, Unit Dia. Approx. 10.16 cm, Filtration Area-Min. 72 Sq. cm, Amount of Silica Gel-Approx. 680 gram, Absolute Filtration -3 $\mu$ , Temperature Range-50-100 deg. C, Connection Size-1" NTP)	Set	2
3	Electric Clog Indicator (Pressure Range-0.5-8 Bar, Test Pressure-10 Bar, Working Temperature- >85 deg. C, Used for Return Line, Micro Switch-Max. 3A, 250V AC, Connection Size Port-1/8" NTP)	Set	1
4	Temperature Controller (Size: 48x48 mm, 24 VAC/ VDC)	Set	1
5	Suction Strainer (Reusable stainless Steel wire mesh with Zinc plated top aluminum Nut and End Cap, 100 mesh standard (149micron), Max. Working Temperature: 80deg. C, Suitable for petroleum and mineral based oils, Flow Rate-30L/Min., Dia.-48mm, Length-110mm, Port Size-G3/4", Across Flat-36mm)	Set	6
6	Temperature Sensor (PT100, 3 Wire, Length-300mm, Temperature Range:-50 to 250 deg. C, Process Connection-Threaded, Probe Material- Aluminum, Material Grade-SS316)	Set	1
7	Heater with Thermostat (Rating: 2.5kW, 230V, Single Phase, 50 Hz)	Set	1
8	Vertical Magnetic Float Switch	Set	1
9	Return Line Filter (Working pressure-20 Bar, Test Pressure-30 Bar, Burst Pressure-40 Bar, Max. Temperature-80 deg. C, Connection Size Port-1" BSPP, Filtration: 25 $\mu$ NOM)	Set	1
10	Temperature Gauge (SS304 cylindrical case with bayonet ring and SS316 stem and connection, Dial Size-100mm, Temperature Range:0-100deg. C, Process Connection-G1/2, Stem Length-300mm)	Set	1
11	Right Angle Check Valve (Sub Plate Mounting, Cracking Pressure-0.04Mpa) with Spares Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
12	Gear Pump (Geometric Displacement-5.3 cubic cm / Rev., Inlet/Outlet Port-1/2" BSP) with Suitable Electric Motor and accessories (including Spares Mounting Bolts-1 Set, Bell Housing-2 Sets, Flexible Drive Coupling-2 Sets and Shaft seal-2 Sets)	Set	1
13	Remote Control Relief Valve (Max. Operating Pressure-160 Kgf/sq. cm, Max. Flow-20LPM, Pressure adjusting Range-35-140Kgf/sq. cm) with Spares Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
14	Pressure Gauge Isolator Valve (Seat Type, High Pressure Panel mounting Type, Operating Pressure-350 Bar, Viscosity Range-10 to 380 cSt, Temperature Range:-20 to +70 deg. C, Tube Size-6mm, Gauge Port-G3/8)	Set	1
15	Pressure Gauge (SS304, Polished Case, SS316/PB bourdon Tube, Brass Connection, Aluminum Pointer, Dial Size-100mm, Case Filling-Glycerin, Pressure Range-0-200Kgf/sq. cm, Process Connection-G3/8)	Set	1

Item No.	Description	Units of Measurement	Quantity
16	Pressure Line Filter with Filter Element (Inline Duplex Type Filter, Max. Working Pressure-160 Bar, Flow Capacity-80LPM, Nominal Size-0008)	Set	1
17	IN-LINE Check Valve (Rated Flow-30LPM, Max. Operating Pressure-210Kgf/sq. cm, Cracking Pressure-0.35 Kgf/sq. cm)	Set	1
18	Minimess Coupling (Connection Size-G1/4, Max. Working Pressure-630 Bar)	Set	1
19	Needle Valve (Seat Type Valve, Operating Pressure-350 Bar, Viscosity Range-10-380 cSt, Temperature Range:-20 to +80 deg. C, End Connection-G1/4)	Set	1
20	Pressure Transmitter (Please refer Technical Specification Item No. 20)	Set	1
21	Electronic Pressure Switch (Please refer Technical Specification Item No. 21)	Set	1
22	Ball Valve Threaded (Stainless Steel, Size-1", Pressure Range-upto 1000 Bar, End Connection-Threaded)	Set	2
23	Shut Off Valve (Size:DN-19, Operating Pressure- upto 350 Bar) with Spare Fixing Screws-1 Set	Set	1
24	Piston Type Accumulator with 1 sets Piston seals (Please refer Technical Specification Item No. 20)	Set	1
25	Shut Off Valve (Size:DN-6, Operating Pressure- upto 315 Bar) with Spare Fixing Screws-1 Set	Set	1
26	Solenoid Operated 2-Position Directional Valve (Max. Flow-63L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, No spring Detented) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
27	Proportional Electro-Hydraulic Directional and Flow Control Valve with Spare Seal Kit-1 Set	Set	1
28	Pilot Operated Check Modular Valve (Max. Flow- 35L/Min., Max. Operating Pressure 250 Kgf/sq. cm, Cracking Pressure-4 Kgf/sq. cm) with Spare Seal Kit-1 Set	Set	1
29	Solenoid Operated 3-Position Directional Valve (Max. Flow-63L/Min, Max. Operating Pressure-315 Kgf/sq. cm, No. of Port-4, Spool Type-4, Spring Centered) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
30	Throttle and Check Modular Valve for A Line (Type-Flow Control Valve, Meter-In Throttle, Max. Flow-35 L/Min., Max. Operating Pressure-250 Kgf/sq. cm) with Spare Seal Kit-1 Set	Set	1
31	Throttle and Check Modular Valve for A.B-Line (Type-Flow Control Valve, Meter-Out Throttle, Max. Flow-35L/Min., Max. Operating Pressure-250 Kgf/sq. cm) Meter-In Throttle) with Spare Seal Kit-1 Set	Set	1
32	Reducing Modular Valve (Max. Operating Pressure-250 Kgf/sq. cm, Max. flow-35 L/Min., Pressure Adjusting Range-3 to 40 Kgf/Sq. cm) with Spare Seal Kit-1 Set	Set	1
33	Throttle and Check Modular Valve for A Line (Type-Flow Control Valve, Meter-Out Throttle, Max. Flow-35L/Min., Max. Operating Pressure-250 Kgf/sq. cm) Meter-In Throttle in A Line) with Spare Seal Kit-1 Set	Set	1

Item No.	Description	Units of Measurement	Quantity
34	Solenoid Operated 2-Position Directional Valve (Max. Flow-63L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, Spring Offset) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
35	Throttle and check Modular Valve for B Line (Flow Control Valve, Max. Flow-70 L/Min., Max. Operating Pressure-250Kgf/sq.cm, Meter-Out Throttle, Differential Pressure Range-5-50 Kgf/Sq. cm) with Spare Seal Kit-1 set	Set	1
36	Solenoid Operated 2-Position Directional Valve (Max. Flow-120L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, Spring Offset) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	Set	1
37	Poppet Type Solenoid Operated Directional Valve (Max. Flow-16 L/Min., Max. Operating Pressure-315 Kgf/sq. cm, No. of Port-3, Sub Plate Mounting Type) with Spare Mounting Screws-1 Set and Seal Kit-1 Set	Set	1
38	Directional and Flow Control Logic Valve (Max. Flow-130L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Cracking Pressure-2 Kgf/sq. cm) with Spare Seal Kit-1 Set	Set	1
39	Directional and Flow Control Logic Valve with stroke adjuster (Max. Flow-130L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Cracking Pressure-2 Kgf/sq. cm) with Spare Seal Kit-1 Set	Set	1
40	Unloading Relief Valve (Max. Flow-125 L/min., Max. Operating Pressure-210Kgf/sq. cm, Cut-Out Pressure Adjusting Range 70-210 Kgf/sq. cm, Sub-Plate Mounting Type) Spare Seal Kit-1 Set	Set	1
41	Pilot Control Check Valve (Max. Flow-125 L/min., Max. Operating Pressure-250Kgf/sq. cm, Cracking Pressure-5 Kgf/sq. cm, Sub-Plate Mounting Type, External Drain Connection) Spare Mounting Bolt-1 Set and Seal Kit-1 Set	Set	1
42	Ball Valve Threaded (Stainless Steel, Size-1/2", Pressure Range-upto 1000 Bar, End Connection-Threaded)	Set	2
43	Pilot Operated Check Valves (Max. Flow-35 L/Min., Max. Operating Pressure-250Kgf/sq. cm, Cracking Pressure-4Kgf/sq. cm) with Spare Seal Kit-1 Set	Set	1
44	Universal Charging and testing unit for Nitrogen (N <sub>2</sub> ) gas Piston Type Accumulator (Pressure Range (Gauge Indication): 0-250 Bar, Hose Pipe: for 200 Bar Nitrogen Bottle with connection W24.32 x 1/14 (DIN 477, Part 1), >600 Bar Pressure of Length Min. 2.5 m, Adaptor for Nitrogen Bottle: W24.32 x 1/14, Adaptor for Hydraulic Accumulator: 7/8-14 UNF)	Set	1
45	Filter Element (Nominal Size-0008, One Side open O-Ring Sealing, Filtration Grade-10 µm, Differential Pressure of Element-30 Bar, Element Adhesive-100 deg. C, Size: Length- Approx. 157mm, Diameter OD-45mm approx., ID-24mm approx.)	Set	8
46	Throttle and Check Valve (Operating pressure-315 Bar, Maximum flow handling capacity-60 L/Min., End Connection-G1/2)	Set	1

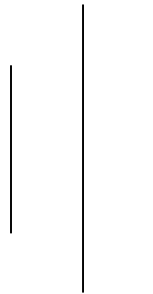
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# SECTION-V WORKS REQUIREMENTS

## CHAPTER-1 GENERAL



### GENERAL

### TECHNICAL SPECIFICATION

## 1. GENERAL DESCRIPTION

NEA, Sundarijal Hydropower Station, Sundarijal, Kathmandu intends to purchase the following Spare Parts for Governor Oil Pressure Unit for use. Following shall be technical specifications of the items that refer their qualities.

The manufacturers of the GOODS supplied under this contract must have valid ISO 9001 certificate and the quality of the GOODS must meet according to ISO/SAE/AWS/ASTM/BS/DIN/NS/IS or equivalent international standards from all respect. The Bidders are strictly advised to submit the original product catalogue, Product's technical Data Sheet, other specifications of relevant manufacturer that will be helpful in judging the quality and at least five years' experience certificate/documents in the related works. The NEA reserves the right to decline the acceptance of proofs which to its own judgment are not convincingly satisfying for the intended use.

*Note: The bidder shall be highly recommended to visit to site and know about the existing parts installed in Oil Pressure Unit of Sundarijal Hydropower Station.*

**The supplied spare parts shall be perfectly compatible and fitted to the existing system without any modification, if this cannot be achieved then the equipment shall be rejected and the contractor shall provide spare parts from Original Equipment Manufacturer (OEM) as used in the existing system within the stipulated time frame as of the contract. The offered goods shall be similar in construction, material, dimension, function and operation point of view.**

**Apart from this, if the bidder offers equivalent of what is used in the plant, they shall provide the spare parts that are compatible to the existing system and also, they shall have to carry out installation, testing and commissioning of the supplied equivalent with all necessary accessories (such as adaptor, nut and bolts, screws etc.) at his/her own cost and other associated works should be included in the BOQ at the time of bidding.**

Below are the type and salient features for the Turbine, Generator and Governing system existing at Sundarijal HPS.

<b>Turbine</b>	
Make	BFL, India
Type	Horizontal, Pelton
Number of Units	Two
Rated Output Capacity	485 kW per Unit
Rated Flow	0.3675 m <sup>3</sup> /s
Rated Speed	750 rpm
No. of Nozzle	2, Per Unit
Gross head (static)	216 m
Rated Net head	161.213 m
Average Annual Energy	4.77 GWh
<b>Generator</b>	
Make	Kirloskar, India
Rated Capacity	606.25 kVA ±10%
Rated Voltage	400 V
Rated Frequency	50 Hz
Rated Power Factor	0.85

Type of Excitation System		Brushless						
<b>Hydraulic Governor – Oil Pressure Unit (OPU)</b>								
Make		Yuken India Ltd.						
Working Pressure		110 Kgf/sq. cm						
Hydraulic Fluid		Mineral Oil						
Oil Viscosity		ISO VG68						
Contamination Grade		NAS Class <10						
Motor Power Source		400V AC						
Solenoid Valves Voltage		110V DC						
Accessories Voltage		110V DC						
<b>Details of Servo Cylinder</b>								
Description		Deflector	Needle-1	Needle-2	MIV	MIV-Bypass	Brake	
No. of Cylinder		1	1	1	1	1	1	
Bore x Rod (mm)		100 x 45	125 x 57	125 x 57	100 x 56	80 x 36	80 x 36	
Stroke (mm)		65	75	75	285	18	40	
Time (Sec)	Norm.	Open	30	30	30	15	15	10
		Close	15	15	15	15	15	10
	Emer.	Close	-	-	-	-	-	-
Operating Pressure (Kgf/sq. cm)		70~110	70~110	70~110	70~110	70~110	8~15	

## 2. SCOPE OF WORKS

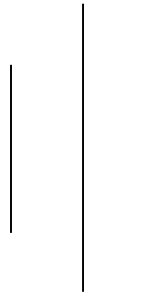
The scope of work under this covers the Supply & Delivery of Spare Parts for Governor Oil Pressure Unit as stated accordingly in the Bill of Quantities. These Spare Parts are meant for an equivalent/exact replacement in the existing system as and where required. The goods to be supplied under this shall meet the standard according to relevant to ISO/SAE/AWS/ASTM/BS /JIS/DIN/NS/IS or equivalent standard in all respect of engineering design, manufacturing and operation point of view.

**NOTE: For testing the compliance of supplied product in existing system, Supplier shall at his/her own cost installation of (Accumulator, Gear Pump with Motor, Heater with Thermostat) including retrofit and operate in existing system one sample of following items:-**

1. Proportional Electro-Hydraulic Directional and Flow Control Valve (with all necessary setting)
2. Solenoid Operated Directional Valve
3. Pressure Line Filter
4. Directional and flow control logic Valve
5. Shut off valve cartridge
6. Pressure Switch & Transmitter

*Beside these other spare parts can be also install/retrofit as per instruction of site in-charge for dimensional, operational and functional point of view. So that the employee can instantly replace one as and where required.*

**SECTION-V WORKS REQUIREMENTS**  
**CHAPTER-2 PRODUCT**



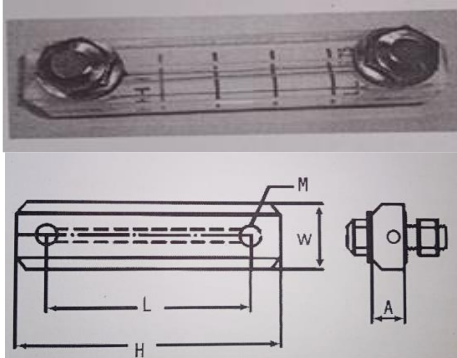
**TECHNICAL DATA SHEET (TDS)**

**TECHNICALDATASHEET****(To be filled by the Bidder/Manufacturer)**

The Bidders/manufacturers are required to furnish the following information in the Data Sheet. Separate sheets can be used if additional space is required. The information furnished shall be supported by the catalogue and test reports. The information not supported by the catalogues, test reports etc. shall be deemed to have been "Not provided". The bidders/manufacturers are also required to underline the information asked for in the catalogue and/or test reports. Any deviation from NEA's requirements shall be clearly mentioned giving the reasons thereof.

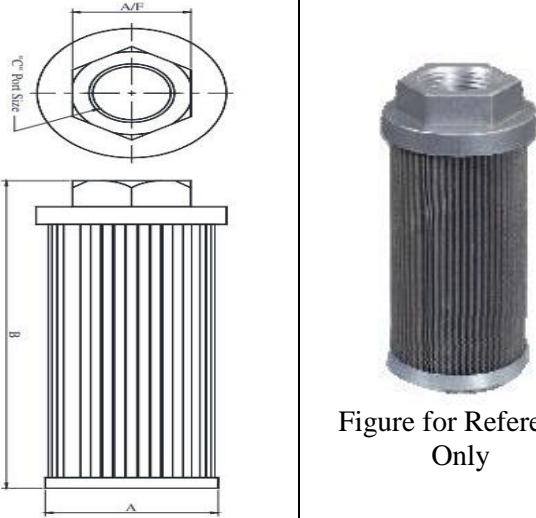
Bidders are highly advised to visit the site and see the OPU parts physically before submitting the bid. Purchaser reserves the right to decline the acceptance of the Goods, which to its own judgment are not found suitable for the intended use.

**TECHNICALDATASHEET (TDS)**

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
<b>1</b>	<b><u>Oil Level Indicator</u></b>			
1.1	Name of Manufacturer			
1.2	Country of Origin			
1.3	Model No.	LG-100 or Equivalent		
1.4	Maximum Operating Temperature	80°C		
1.5	Dimensions			
	W	25 mm		
	A	13 mm		
	L	100 mm		
	H	130 mm		
	M (Thread)	M10		
1.6	Other Feature:	-Arcylic Body -Inbuilt Float for Clear Vision -Proper Sealing against Leakage		
1.7	<b>Is the Manufacturer ISO certified?</b>	Yes		
1.8	<b>Product's Catalogue</b>	To be submitted		
	Figure: Only for Reference			
				

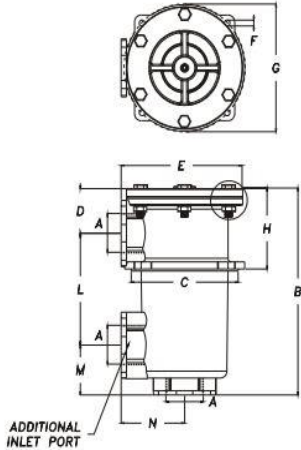
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
2	<b>Breather Filter with Cilica gel</b>			
2.1	Name of Manufacturer			
2.2	Country of Origin			
2.3	Model No.	DC-3 or Equivalent		
2.4	Unit Size in height cm	Approx. 20.5 cm		
2.5	Unit Diameter in cm	Approx. 10.16 cm		
2.6	Filtration Area in Sq. cm	Approx. 72.3 Sq. cm		
2.7	Amount of Silica Gel in Kg	Approx. 680 gram		
2.8	Absorption Capacity in Cups	1		
2.9	Maximum Flow Rate (cfm@1PSID)	16		
2.10	Filtration ( $\mu$ Absolute)	3		
2.11	Oil Temperature Range (oC)	50-100		
2.12	Hydrophilic Agent	Cilica Gel		
2.13	Filter Media	Polyster		
	Connection Size (NTP)	1"		
2.14	<b>Is the Manufacturer ISO certified?</b>	Yes		
2.15	<b>Product's Catalogue</b>	To be submitted		
	Figure for Reference Only			
				
3	<b>Electric Clog Indicator</b>			
3.1	Name of Manufacturer			
3.2	Country of Origin			
3.3	Model No.			
3.4	Micro Switch Max. 3A	250 V AC		
3.5	Pressure Range	0.5-8 Bar		
3.6	Differential Pressure	$\pm 0.4$		
3.7	Test Pressure	10 Bar		
3.8	Working Temperature	+ 85°C		
3.9	Used for	Return Line		
3.10	Suitable for	VG68 Turbine Oil		
3.11	Connection Size Port	1/8" NTP		

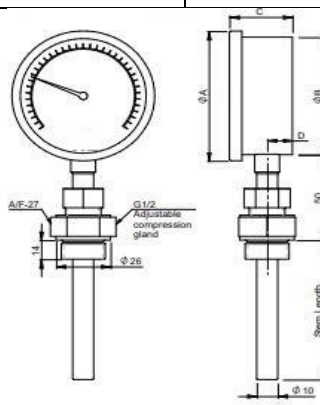
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
3.12	Is the Manufacturer ISO certified?	Yes		
3.13	Product's Catalogue	To be submitted		
<b>4</b>	<b><u>Temperature Controller</u></b>			
4.1	Name of Manufacturer			
4.2	Country of Origin			
4.3	Model No.	E5CC-RX2DSM-800 (24VDC) or Equivalent		
4.4	Size:	48X48 mm		
4.5	Control Output:	Relay, Voltage, Current		
4.6	Auxiliary Output:	Two Outputs		
4.7	Power Supply Voltage:	24 VAC/VDC		
4.8	Is the Manufacturer ISO certified?	Yes		
4.9	Product's Catalogue	To be submitted		
<b>5</b>	<b><u>Suction Strainer</u></b>			
5.1	Name of Manufacturer			
5.2	Country of Origin			
5.3	Model No.	YSSG-7G or Equivalent		
5.4	Max. Working Temperature:	80°C		
5.5	Flow Rate:	30L/Min.		
5.6	Dimensions			
	Diameter (A):	φ48 mm		
	Length (B):	110 mm		
	Port Size (C) :	G3/4		
	Across Flat (A/F):	36 mm		
5.7	Others Feature			
	-100 mesh standard (149micron)	Must meet the requirement		
	-Suitable for Suitable for petroleum and mineral based oils.	Must meet the requirement		
	-Reusable stainless Steel wire mesh with Zinc plated top aluminum Nut and End Cap.	Must meet the requirement		
	-Excellent filtration efficiency			
5.8	Is the Manufacturer ISO certified?	Yes		
5.9	Product's Catalogue	To be submitted		

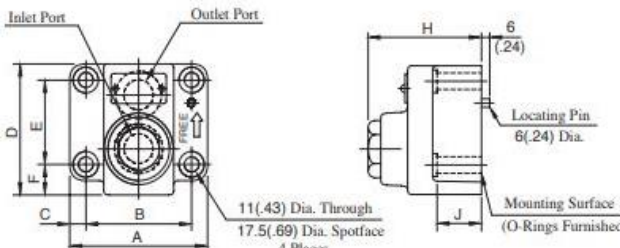
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	 <p>Figure for Reference Only</p>			
<b>6</b>	<b><u>Temperature Sensor (Aluminum head)</u></b>			
6.1	Name of Manufacturer			
6.2	Country of Origin			
6.3	Model No.			
6.4	Specification	PT 100, 3 Wire		
6.5	Length:	L300		
6.6	Temperature Range:	(-50°C to 250°C)		
6.7	Accuracy-	Class A		
6.8	Process Connection Type-	Threaded (NPT/BPT)		
6.9	Probe Material-	Aluminum		
6.10	Material Grade-	SS316		
6.11	Termination Type-	Terminal Head Assembly		
6.12	<b>Is the Manufacturer ISO certified?</b>	Yes		
6.13	<b>Product's Catalogue</b>	To be submitted		
<b>7</b>	<b><u>Heater with Thermostat</u></b>			
7.1	Name of Manufacturer			
7.2	Country of Origin			
7.3	Model No.	2501 D10DAC PBB2 or Equivalent		
7.4	Rating	2.5 kW, 230V, Single Phase, 50Hz		
7.5	<b>Is the Manufacturer ISO certified?</b>	Yes		
7.6	<b>Product's Catalogue</b>	To be submitted		
<b>8</b>	<b><u>Vertical Magnetic Float Switch</u></b>			

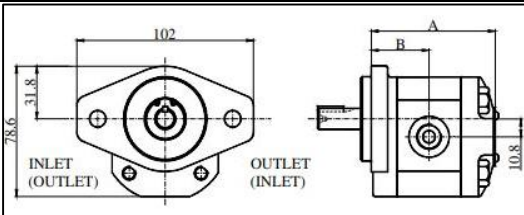


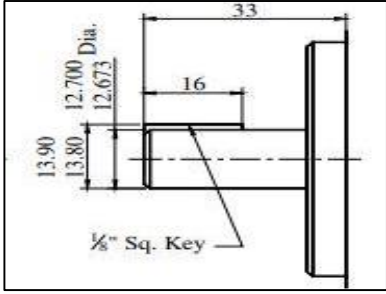
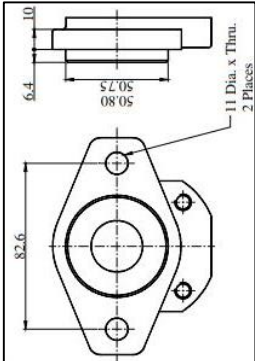
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
8.1	Name of Manufacturer			
8.2	Country of Origin			
8.3	Model No.	VFSDA2P3-1-D1-80 D2-140 D3-200 L-250 or Equivalent		
8.4	Type	Vertical Mounting Type Magnetic Float Level Switch		
8.5	Enclosure/Terminal Type Material:	Weather Proof IP68/Cast Al.		
8.6	Connection Type:	Flange, Dia. 75mm, PCD- 60mm		
8.7	Diameter of Stem with Material:	12.7mm of SS304		
8.8	No. of Float :	3 Nos.		
8.9	Float Material:	PU		
8.10	Float Diameter:	36 mm		
8.11	Float Distance:	D1-80mm D2-140mm D3-200mm		
8.12	Stem Length:	250mm		
8.13	Electrical Specification:			
8.14	Switching Voltage (Max.):	200V DC 125V AC		
8.15	Switching Current (Max.):	0.5A		
8.16	Contact Rating:	15VA		
8.17	Contact Form:	SPST		
8.18	Accuracy/Repeatability:	±2mm/±1mm		
8.19	Load:	Resistive/Inductive		
8.20	<b>Is the Manufacturer ISO certified?</b>	Yes		
8.21	<b>Product's Catalogue</b>	To be submitted		
<b>9</b>	<b><u>Return Line Filter</u></b>			
9.1	Name of Manufacturer			
9.2	Country of Origin			
9.3	Model No.	CFR-100-08B-025 or Equivalent		
9.4	Construction	Aluminum Die Cast		
9.5	Working Pressure	20 Bar		
9.6	Test Pressure	30 Bar		
9.7	Burst Pressure	40 Bar		
9.8	Max. Temperature	80oC		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
9.9	Used for	Return Line Filter		
9.10	Suitable for	VG68 Turbine Oil		
9.11	Mounting	Direct Tank or Line Mount		
9.12	Seal	O-Ring - $\Phi 3.6 \times \Phi 96.5$ mm, Qty-1 Nos.		
9.13	Dimension:			
	Connection Size Port "A"	1" BSPP		
	B	241 mm		
	Tank Cut out C	135 mm		
	D	51 mm		
	E	134 mm		
	F	6.5 mm		
	G	154 mm		
	H	100 mm		
	L	140 mm		
	M	50 mm		
	N	67 mm		
9.14	Filtration ( $\mu$ ) Microns	25 $\mu$ NOM		
9.15	Is the Manufacturer ISO certified?	Yes		
9.16	Product's Catalogue	To be submitted		
	 <p>Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.</p>			
9.17	Installation and Retrofitting	Shall be done by the bidder itself.		
<b>10</b>	<b>Temperature Gauge</b>			
10.1	Name of Manufacturer			

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
10.2	Country of Origin			
10.3	Model No.	YTM-D-100-100-G04-300-L-10 or Equivalent		
10.4	Construction	SS304 cylindrical case with bayonet ring and SS316 stem and connection.		
10.5	Mounting Type	Direct		
10.6	Dial Size	100 mm		
10.7	Temperature Range	0-100°C		
10.8	Process Connection	G1/2		
10.9	Stem Length	300 mm		
10.10	Connection Orientation	Lower		
10.11	Dimension:			
	$\phi A$	109 mm		
	$\phi B$	98.5 mm		
	C	48.5 mm		
	D	16 mm		
10.12	Other Features:			
		-IP65 protection -Toughened glass window - Adjustable compression gland		
10.13	Is the Manufacturer ISO certified?	Yes		
10.14	Product's Catalogue	To be submitted		
	 <p>Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.</p>			
<b>11</b>	<b><u>Right Angle Check Valve</u></b>			
11.1	Name of Manufacturer			

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
11.2	Country of Origin			
11.3	Model No.	CRG-03-04-50 or Equivalent		
11.4	Design Standard	JIS or Equivalent		
11.5	Type of Connection	Sub plate mounting		
11.6	Cracking Pressure	0.04 Mpa (0.4 Kg/cm <sup>2</sup> )		
11.7	Dimension:			
	A	90 mm		
	B	66.7 mm		
	C	11.7 mm		
	D	72 mm		
	E	42.9 mm		
	F	17.5 mm		
	H	72.5 mm		
	J	30 mm		
11.8	Is the Manufacturer ISO certified?	Yes		
11.9	Product's Catalogue	To be submitted		
	<p>Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.</p>  <p>The drawing shows a gear pump assembly with an inlet port and outlet port. Dimensions A through J are indicated. Specific diameters are given: 11(.43) Dia. Through, 17.5(.69) Dia. Spotface 4 Places, 6(.24) Dia. Locating Pin, and 6(.24) Dia. Mounting Surface (O-Rings Furnished).</p>			
12	<b><u>Gear Pump with Electric Motor and accessories</u></b>			
12.1.1	Name of Manufacturer			
12.1.2	Country of Origin			
12.1.3	Model No.	PG0-530-S-2-P-B-R or Equivalent		
12.1.4	<b>Construction:</b>			
12.1.5	Shaft End Cover:	Cast Iron		
12.1.6	Body:	Aluminum		
12.1.7	Closed End Cover:	Cast Iron		
12.1.8	Driving Gear:	Hardened Steel		

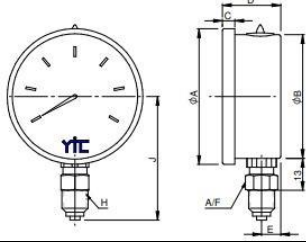
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
12.1.9	Driven Gear:	Hardened Steel		
12.1.10	Bearing Bush:	Al Alloy		
12.1.11	Body End Seal:	Nitrile/Viton		
12.1.12	Oil Seal:	Nitrile/Viton		
12.1.13	Circlip:	Spring Steel		
12.1.14	Bolt:	High Tensile Steel		
12.1.15	Washer:	Spring Steel		
12.1.16	Key:	Steel		
12.1.17	Geometric Displacement	5.3 cm <sup>3</sup> /rev.		
12.1.18	Flow Rate	8 LPM at 1500 rev/min		
12.1.19	Maximum Pressure	Continuous-180Kgf/cm <sup>2</sup>		
		Intermittent-220Kgf/cm <sup>2</sup>		
12.1.20	Shaft Speed	Min. 600 RPM Max. 3500 RPM		
12.1.21	Shaft	Straight		
12.1.22	Inlet / Out Let Port	1/2" BSP		
12.1.23	Drive Shaft Seal	Nitrile		
12.1.24	Direction of Rotation (Viewed from Shaft End)	Clockwise		
12.1.25	Temperature Range	-15 to +80°C		
12.1.26	Viscosity Range of Fluid medium	10~300 cSt		
12.1.27	Other Feature	<ul style="list-style-type: none"> <li>-High strength aluminum extruded body.</li> <li>-Hardened and ground integral gear shaft.</li> <li>-Special aluminum alloy bush bearing.</li> <li>-Axially balanced for high volumetric efficiency in excess of 95%.</li> </ul>		
General Arrangements				
A-85.6 mm		B-40.2 mm		
				
Shaft Details				

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
				
	Mounting Details			
		<p>All dimensions are in mm unless otherwise stated. The figure dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.</p> <p>Note: General arrangements, Shaft and Mounting details dimension must match as per installed pump and motor.</p>		
12.2.1	Electric Motor			
12.2.2	Name of Manufacturer			
12.2.3	Country of Origin			
12.2.4	Model No.			
12.2.5	Capacity	2.2 KW		
12.2.6	No. of Pole	4		
12.2.7	Phase	3 $\phi$		
12.2.8	Voltage	400V		
12.2.9	Frequency	50 Hz		
12.2.10	Power Factor	>0.8		
12.2.11	Speed	1450 RPM		
12.2.12	Protection	IP55		
12.2.13	Efficiency standard	IE2		
12.2.14	Pump-Motor Flange Connection Dimension:			
12.2.15	Outside Dia.	250 mm		
12.2.16	PCD	215 mm (must meet the requirement)		
12.2.17	No. of Holes	4 Nos. (must meet the requirement)		
12.3	Spare Parts Specification			
12.3.1	Mounting Bolt	Size:-suitable for the		

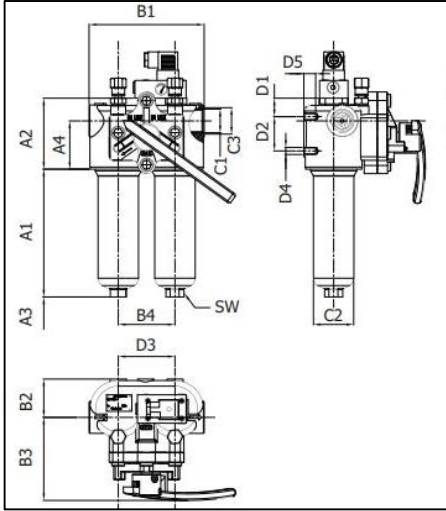
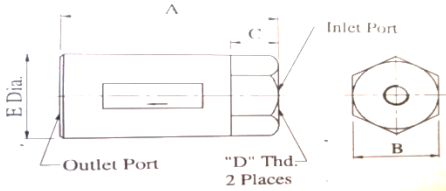
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
12.3.2	Bell Housing	above pump and motor		
12.3.3	Flexible Drive Coupling			
12.3.4	Shaft seal			
12.4	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate for Gear Pump and Motor</b>	To be submitted		
12.5	<b>Manufacturer's Authorization for Gear Pump</b>	To be submitted		
12.6	<b>Product's Catalogue Gear Pump and Motor</b>	To be submitted		
12.7	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
<b>13</b>	<b><u>Remote Control Relief Valve</u></b>			
13.1	Name of Manufacturer			
13.2	Country of Origin			
13.3	Model No.	YBG-02-C-10 or Equivalent		
13.4	Type	Direct type relief valve		
13.5	Type of Mounting	Sub plate mounting		
13.6	Maximum operating pressure	160 Kgf/cm <sup>2</sup>		
13.7	Maximum Flow	20 L/min.		
13.8	Pressure adjusting range	35~140 Kgf/cm <sup>2</sup>		
13.9	<b>Is the Manufacturer ISO certified?</b>	Yes		
13.10	<b>Product's Catalogue</b>	To be submitted		
	All dimensions are in mm unless otherwise stated. Figures and dimensions are only for reference So that the goods shall be suitable for the installation and operation point of View.			

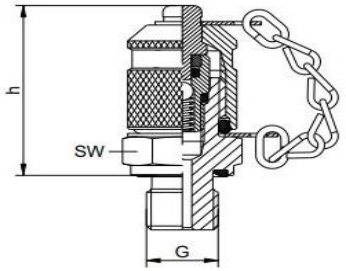
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
<b>14</b>	<b><u>PRESSURE GAUGE ISOLATOR VALVE</u></b>			
14.1	Name of Manufacturer			
14.2	Country of Origin			
14.3	Model No.	1GI 06 P S G03-2.0 or Equivalent		
14.4	Construction	Seat type, High Pressure, Pressure Gauge Isolator Valve		
14.5	Mounting	Panel mounting		
14.6	Mounting position	Optional		
14.7	Operating pressure	350 bar		
14.8	Hydraulic medium	Mineral Oil		
14.9	Viscosity range	10 cSt to 380 cSt		
14.10	Fluid temperature range	-20 °C to +70 °C		
14.11	Fluid cleanliness	As per ISO 19/16 requirement		
14.12	Connection	with Ferrule		
14.13	Dimension:			
	Tube Size (Outside Diameter)	6 mm		
	Gauge Port	G 3/8		
14.14	Is the Manufacturer ISO certified?	Yes		
14.15	Product's Catalogue	To be submitted		
<b>15</b>	<b><u>Pressure Gauge</u></b>			
15.1	Name of Manufacturer			
15.2	Country of Origin			
15.3	Model No.	YPG-100-G-210-G03-SB-10 or Equivalent		
15.4	Construction	SS304, Polished Case,		



S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
		SS316/PB bourdon Tube, Brass Connection, Aluminum Pointer		
15.5	Mounting Type	Direct		
15.6	Dial Size	100 mm		
15.7	Case Filling	Glycerin		
15.8	Pressure Range	0-200 kg/cm <sup>2</sup>		
15.9	Process Connection (H)	G3/8		
15.10	Connection Orientation	Surface Mounting Bottom Entry		
15.11	Dimension:			
	φA	108 mm		
	φB	98.5 mm		
	C	7.5 mm		
	D	33.5 mm		
	E	10.3 mm		
	A/F	17 mm		
	J	81.5 mm		
15.12	Other Feature:	-IP65 protection - Twin O-ring for leak tight enclosure. - Overload protection up to 130%		
15.13	Is the Manufacturer ISO certified?	Yes		
15.14	Product's Catalogue	To be submitted		
		Figures and dimensions are only for reference and the goods shall be suitable for the installation and operation point of View.		
<b>16</b>	<b><u>Pressure Line Filter</u></b>			
16.1	Name of Manufacturer			
16.2	Country of Origin			
16.3	Model No.	160LD0008 H10XL A0000B5.0 00P00 or Equivalent		
16.4	Material of Construction	Head: GGG50 or Equivalent Bowl: Carbon Steel or Equivalent Seals: Nitrile/Viton /EPDM or Equivalent		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
16.5	Maximum Working Pressure	160 Bar		
16.6	Filter Type	Inline Duplex Filter with Filter Element		
16.7	Nominal Size	0008 (2.0008 Element)		
16.8	Test Pressure	1.3 x Working Pressure (as per ASME)		
16.9	Flow capacity	80 lpm		
16.10	Filtration Media and Filtration Grade	Glass Fibre/Non-cleanable with epoxy mesh		
16.11	Differential Pressure of Element	Max. Allowable differential pressure of the filter element 30 bar.		
16.12	Element Adhesive	Standard Adhesive Temperature 100oC		
16.13	Element Hardware	Standard Material		
16.14	Maintenance Indicator Type	Electrical with Equipment Connector Thread		
16.15	Maintenance Indicator-Cracking Pressure	5 Bar		
16.16	Inlet / Outlet Connection	Pipe Thread G1"		
16.17	Capacity	2x0.36 liter		
16.18	Seal Material	Buna N or Equivalent		
16.19	Dimensions:			
	Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.	A1-179 mm		
		A2-102 mm		
		A3-120 mm		
		A4-70 mm		
		A5-8 mm		
		A6-50 mm		
		B1-160 mm		
		B2- 54 mm		
		B3- 115 mm		
		B4- 80 mm		
		C1- G1"		
		C2- 55 mm		
		C-3 M10		
	D1- 15 mm			

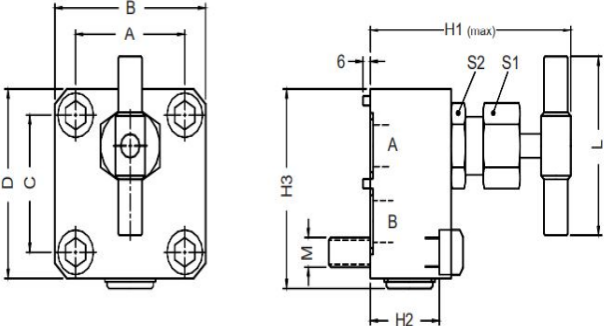
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
				
16.20	<b>Is the Manufacturer ISO certified?</b>	To be submitted		
16.21	<b>Product's Catalogue</b>	To be submitted		
16.22	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
<b>17</b>	<b><u>IN-LINE CHECK VALVE</u></b>			
17.1	Name of Manufacturer			
17.2	Country of Origin			
17.3	Model No.	CIT-03-5-2080 or Equivalent		
17.4	Rated Flow	30 L/min.		
17.5	Maximum Operating Pressure	210 Kgf/cm <sup>2</sup>		
17.6	Cracking Pressure	0.35 Kgf/cm <sup>2</sup>		
17.7	Dimension:			
	A	75 mm (must meet the requirement)		
	B	28 mm		
	C	17 mm (must meet the requirement)		
	E	33 mm		
	D	3/8 BSP.F		
	 <p>Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.</p>			
17.8	<b>Is the Manufacturer ISO certified?</b>	Yes		
17.9	<b>Product's Catalogue</b>	To be submitted		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
17.10	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
<b>18</b>	<b><u>MINIMESS COUPLING</u></b>			
18.1	Name of Manufacturer			
18.2	Country of Origin			
18.3	Model No.			
18.4	Material	Metal Parts-Steel		
18.5		Seal-FKM		
18.6	Maximum Working Pressure	630 bar		
18.7	Temperature	-20 to 200 °C		
18.8	Dimension:			
	G	G1/4		
	SW	19 mm		
	h	37 mm		
		Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.		
18.9	<b>Is the Manufacturer ISO certified?</b>	Yes		
18.10	<b>Product's Catalogue</b>	To be submitted		
<b>19</b>	<b><u>NEEDLE VALVE</u></b>			
19.1	Name of Manufacturer			
19.2	Country of Origin			
19.3	Model No.	NLG02-2.0 or Equivalent		
19.4	Construction	Seat type valve		
19.5	Mounting style	In-line mounted.		
19.6	Mounting position	Optional		
19.7	Operating pressure	Upto 350 bar		
19.8	Hydraulic medium	Mineral oil		
19.9	Viscosity range	10 cSt to 380 cSt.		
19.10	Fluid temperature range	-20 oC to +80 oC.		
19.11	Suitable for	VG 68 Turbine Oil		
19.12	End Connection	G1/4		

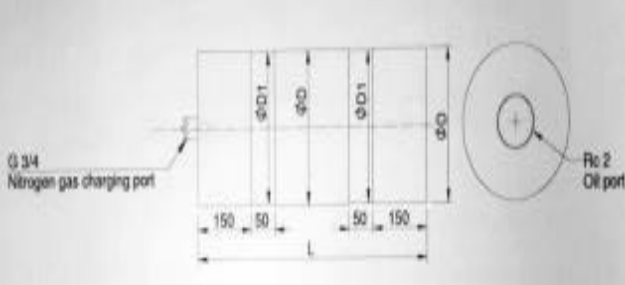
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
19.13	End to End Distance (L)	70 mm		
19.14	Overall Height	131.5 mm (Approx.)		
19.15	Is the Manufacturer ISO certified?	Yes		
19.16	Product's Catalogue	To be submitted		
<b>20</b>	<b><u>Pressure Transmitter</u></b>			
20.1	Name of Manufacturer			
20.2	Country of Origin			
20.3	Model No.	716-C-B53-S (36VDC) or Equivalent		
20.4	Sensor	Piezo-resistive element - 136 Stainless Steel		
20.5	Pressure Range	0-250 bar		
20.6	Accuracy	±0.50% of full scale, including Linearity, Repeatability, Hysterisis		
20.7	Zero & Span Temperature Coefficient	0.015% / °C in compensated temperature range		
20.8	Maximum working pressure	500 bar		
20.9	<b>Electrical:</b>			
20.9.1	Output	Current, 2-wire, 4-20 mA		
20.9.2	Power Supply	12-36 VDC		
20.9.3	Electrical Connection	4-way connector with screwed terminal		
20.9.4	Process connection	1/4" NTP		
20.9.5	Protection	IP65		
20.9.6	Mounting	Direct online		
20.9.7	Process Temperature	-40 to +125°C		
20.9.8	Compensated Temperature	-20 to +85°C		
20.9.9	Ambient Temperature	0 to 70°C		
20.10	Is the Manufacturer ISO certified?	Yes		
20.11	Product's Catalogue	To be submitted		
<b>21</b>	<b><u>Electronic Pressure Switch</u></b>			
21.1	Name of Manufacturer			
21.2	Country of Origin			
21.3	Model No.	711-B17-D-E-N or Equivalent		
21.4	Sensor	Piezo-resistive Stainless Steel Sensor		
21.5	Pressure Range	0-200 bar		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
21.6	Accuracy	±0.30% FSR, including Linearity, Repeatability and Hysterisis		
21.7	Maximum working pressure	400 bar		
21.8	<b>Electrical:</b>			
	Power Supply	18-36 VDC		
	Electrical Connection	11-position screw clamp terminals through 2xM16 PVC cable gland suitable for 8 mm OD cable		
21.9	<b>Display:</b>			
	Display	1 x 8 dot matrix LCD with yellow green back light		
	Display Character Height	10.7 mm		
	Process Value	4 digits, 9999 counts maximum		
	Decimal Point	Automatically selected based on engineering units		
	Display Units Option	Bar		
21.10	<b>Analog Output:</b>			
	Analog Output	Current: 4-20 mA, 250 VAC		
	Analog Output Range	Any range programmable within the instrument calibrated range.		
	Analog Output Load Capacity	400 ohms		
21.11	<b>Relay Contact Output:</b>			
	Set Point	2		
	Set Point Range	0 to 9999 counts		
	Relay Contact Rating	2 independent relay contacts, each with following ratings: * 5A at 250V AC / 28 VDC @ 30oC ambient * 3A at 250V AC / 28 VDC @ 60oC ambient		
	Time Delay	0 to 250 Seconds continuously selected		
	Relay Status	Relay ON indication by <b>RED</b> LEDs for each set point		
	Dead Band	1 tp 9999 counts - fully configurable through Relay ON and OFF setting		
21.12	<b>Mechanical:</b>			

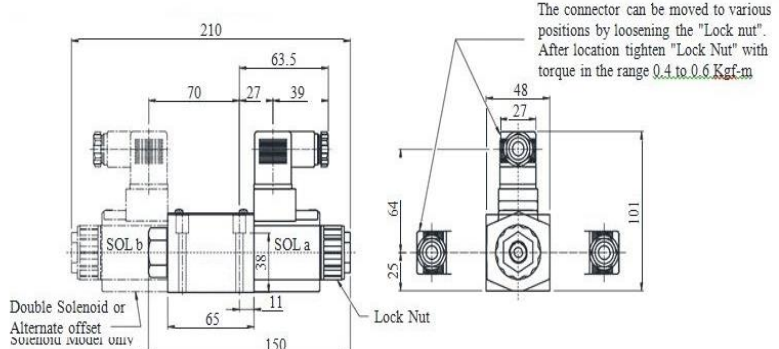
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	Enclosure Protection	Die-cast Aluminum Water Proof to IP:65		
	Process Connection	1/4" NPTF		
	Process Connection Material	SS316		
	Wetted Parts	SS316, NBR/Viton		
	Mounting	Direct online		
	Overall Dimension	Front bezel: 115(w) x 81(h) Overall Size: 115(w) x 203(h) x 67(d)		
21.13	<b>Environmental:</b>			
	Process Temperature Limits	-40 to 120°C		
	Ambient Temperature Limits	0 to 60°C		
	Ambient Relative Humidity	95%		
21.14	<b>Is the Manufacturer ISO certified?</b>	Yes		
21.15	<b>Product's Catalogue</b>	To be submitted		
<b>22</b>	<b>Ball Valve-Threaded</b>			
22.1	Name of Manufacturer			
22.2	Country of Origin			
22.3	Model No.			
22.4	Material	Stainless Steel		
22.5	Ball Seat	POM/PEEK/PTFE/GFT/CFT		
22.6	Body & Stem Seals	PTFE /NBR/FPM		
22.7	Size	1" [25MMNB]		
22.8	Pressure Range	up to 1000 Bar		
22.9	Temperature Range	- 40°C + 200°C		
22.10	End Connection	Threaded (NPT Male/Female Extended Nipple) Scope : to be supplied		
22.11	End to End Distance	Approx. 110 mm (Must meet the requirement)		
22.12	<b>Is the Manufacturer ISO certified?</b>	Yes		
22.13	<b>Product's Catalogue</b>	To be submitted		
<b>23</b>	<b>SHUT OFF VALVE</b>			
23.1	Name of Manufacturer			
23.2	Country of Origin			

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
23.4	Model No.	MHSL-19-2.0 or Equivalent		
23.5	Size	DN-19		
23.6	Construction	Seat type valve		
23.7	Mounting Type	Sub-plate mounting type		
23.8	Operating pressure	Upto 350 bar		
23.9	Hydraulic medium	Mineral oil		
23.10	Viscosity range	10 cSt to 380 cSt.		
23.11	Fluid temperature range	-20 °C to +70 °C.		
23.12	Suitable for	VG 68 Turbine Oil		
23.13	Dimensions:			
	A	65 mm		
	B	97 mm		
	C	81 mm		
	D	113 mm		
	H1	135 mm		
	H2	26 mm		
	H3	118 mm		
	L	84 mm		
	S1	32 mm		
	S2	32 mm		
	Fixing Screws (M)	M16 x 50L, 4 Nos.		
				
	Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.			
23.14	<b>Is the Manufacturer ISO certified?</b>	Yes		
23.15	<b>Product's Catalogue</b>	To be submitted		
<b>24</b>	<b><u>Accumulator (Piston Type)</u></b>			
24.1	Name of Manufacturer			
24.2	Country of Origin			
24.3	Model No.	YUAC-160-PT-60 or Equivalent		
24.4	Accumulator Type	Piston Type		
24.5	Construction	Body: Carbon Steel Piston: Aluminum		



S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
24.6	Seal	High quality Standard NBR		
24.7	Working Pressure	160 Kg/cm <sup>2</sup>		
24.8	Capacity	60 Liters		
24.9	Test Pressure	1.5 x Working Pressure (Pressure Test Certificate must be submitted along with bid document.)		
24.10	Operating Temperature	-30 to +120°C		
24.11	Bore Diameter	180 mm		
24.12	Nitrogen Charging Port	G3/4		
24.13	Length (L)	2665 mm		
24.14	φD	210 mm		
24.15	φD1	208 mm		
24.16	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
24.17	<b>Manufacturer's Authorization</b>	To be submitted		
24.18	<b>Product's Catalogue</b>	To be submitted		
24.19	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
24.20	<b>Spare parts: Piston seal set (all complete)</b>	Suitable for the Same (Yes)		
				
	Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.			
<b>25</b>	<b>Shut off Valve</b>			
25.1	Name of Manufacturer			
25.2	Country of Origin			
25.3	Model No.	MSSL-06-2.0 or Equivalent		
25.4	Size	DN-6		
25.5	Construction	Seat type valve		
25.6	Mounting Type	Sub-plate mounting type		
25.7	Operating pressure	315 bar		
25.8	Hydraulic medium	Mineral oil		
25.9	Viscosity range	10 cSt to 380 cSt.		
25.10	Fluid temperature range	-20 °C to +80 °C.		
25.11	Suitable for	VG 68 Turbine Oil		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	<p>Figures and dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View. All dimensions are in mm.</p>			
25.12	<b>Is the Manufacturer ISO certified?</b>	Yes		
25.13	<b>Product's Catalogue</b>	To be submitted		
<b>26</b>	<b><u>Solenoid Operated Directional Valve</u></b>			
26.1	Name of Manufacturer			
26.2	Country of Origin			
26.3	Model No.	DSG-01-2D2-D110-N1-50 or equivalent		
26.4	Max. Flow	63 L/min.		
26.5	Max. Operating Pressure	315 Kg/cm <sup>2</sup>		
26.6	Max. T-Line Back Pressure	160 Kg/cm <sup>2</sup>		
26.7	Max. Changeover Frequency	300 Cycles/min.		
26.8	Number of Valve Positions	2		
26.9	Spool Spring Arrangement	No-spring Detented		
26.10	Spool Type	2		
26.11	Coil Type	DC 110 V, 0.24A & 26W @ rated voltage		
26.12	No. of Coil	2 Nos.		
26.13	Electrical Conduit Connection	with Plug-in Connector with indicator Light		
26.14	Suitable for	VG 68 Turbine Oil		
26.15	Other feature	IP65 or Equivalent dust and water resistant		
	<p>Figure &amp; dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View. ALL THE DIMENSIONS ARE IN MM.</p>			

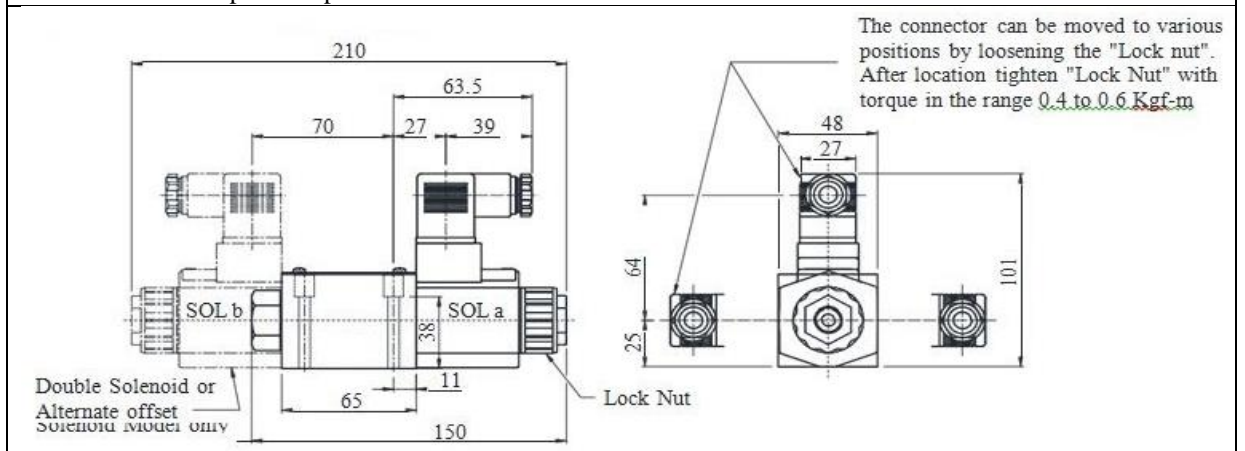
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
				
26.16	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
26.17	<b>Manufacturer's Authorization</b>	To be submitted		
26.18	<b>Product's Catalogue</b>	To be submitted		
<b>27</b>	<b><u>Proportional Electro-Hydraulic Directional and Flow Control Valve</u></b>			
27.1	Name of Manufacturer			
27.2	Country of Origin			
27.3	Model No.	ELDFG-01EH-10-3C2L-XY-C-E-10 S:F or Equivalent		
27.4	Type	High Response Proportional Electro-Hydraulic Directional and Flow Control Valve		
27.5	Amplifier Type	OBE Type		
27.6	Rated Flow @ 1MPa	10 L/min		
27.7	Spool Type	2 % Overlap (Linear Flow Gain)		
27.8	Direction of Flow	Meter-In & Meter-out		
27.9	Fail Safe Function	Neutral Position		
27.10	Input Signal/Spool Travel Monitor	Current Signal (4-20mA)		
27.11	Suitable for	VG 68 Turbine Oil		
27.12	Maximum Operating Pressure	35 Mpa		
27.13	Permissible Back Pressure	21 Mpa		
27.14	Hysteresis	0.1% or less		
27.15	Repeatability	0.1% or less		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
27.16	Step Response (0-100% V, 100-0% V)	16ms		
27.17	Frequency Response (±25% Amplitude) Phase:-90 degree Gain:-3dB	80Hz		
27.18	Coil Resistance (20°C)	3Ω		
27.19	Current Consumption	2A (Impulse Load 3A)		
27.20	Power Supply (Pin A)	24V DC		
27.21	Signal Common (Pin B)	0V		
27.22	Signal Earth (Pin C)	0V (COM)		
27.23	Input (+) Differential (Pin D)	0~20mA		
27.24	Input (-) Differential (Pin E)	Ri = 200Ω		
27.25	Spool Travel Monitoring (Pin F)	0~20mA RL= 100~500Ω		
27.26	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
27.27	<b>Manufacturer's Authorization</b>	To be submitted		
27.29	<b>Product's Catalogue</b>	To be submitted		
27.30	<b>Installation and Retrofitting (with all necessary settings)</b>	Shall be done by the bidder itself.		
	<b>All the dimensions are in mm.</b>			
	Figures & dimensions are only for reference so that the goods shall be suitable for installation and operation point of View.			
28	<b>Pilot Operated Check</b>			

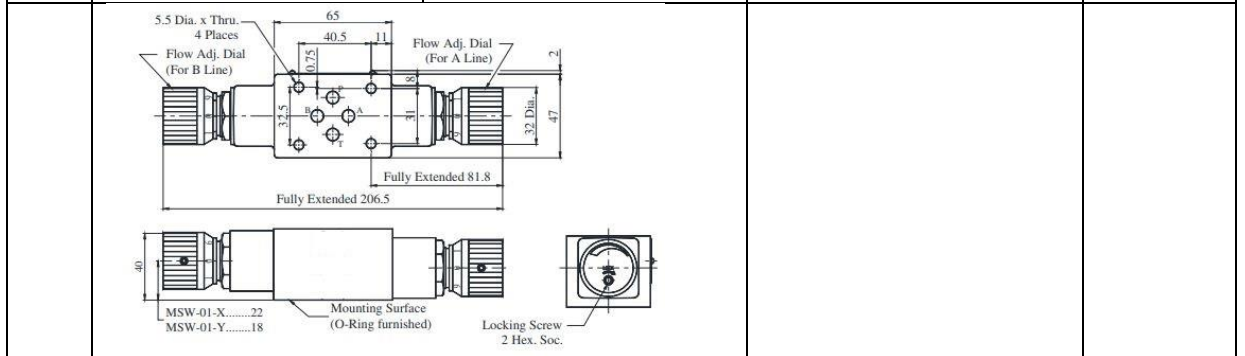
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	<b><u>Modular Valve</u></b>			
28.1	Name of Manufacturer			
28.2	Country of Origin			
28.3	Model No.	MPW-01-4-40H01 or Equivalent		
28.4	Max. Flow	35 L/min.		
28.5	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
28.6	Cracking Pressure	4 Kgf/cm <sup>2</sup>		
	Figures are only for reference so that the goods shall be suitable for installation and operation point of View. All the dimensions are in mm/inch.			
28.7	Is the Manufacturer ISO certified?	Yes		
28.8	Product's Catalogue	To be submitted		
<b>29</b>	<b><u>Solenoid Operated Directional Valve</u></b>			
29.1	Name of Manufacturer			
29.2	Country of Origin			
29.3	Model No.	DSG-01-3C4-D110-N1-50 or Equivalent		
29.4	Max. Flow	63 L/min.		
29.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
29.6	Max. T-Line Back Pressure	160 Kgf/cm <sup>2</sup>		
29.7	Max. Changeover Frequency	300 Cycles/min.		
29.8	Number of Valve Positions	3		
29.9	Spool Spring Arrangement	Spring Centered		
29.10	Spool Type	4		
29.11	No. of Port	4		
29.12	Coil Type	Sockless Type Solenoid, DC 110 V, 0.35A & 38W @ rated voltage		
29.13	No. of Coil	2 Nos.		
29.14	Electrical Conduit Connection	with Plug-in Connector with indicator Light		

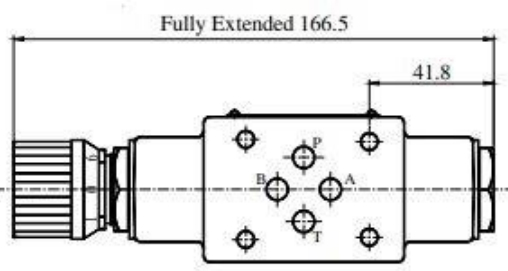
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
29.15	Suitable for	VG 68 Turbine Oil		
29.16	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
29.17	<b>Manufacturer's Authorization</b>	To be submitted		
29.18	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
29.19	<b>Product's Catalogue</b>	To be submitted		

All the dimensions are in mm. Figure & dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.



<b>30</b>	<b><u>THROTTLE AND CHECK MODULAR VALVE</u></b>			
30.1	Name of Manufacturer			
30.2	Country of Origin			
30.3	Model No.	MSA-01-Y-30 or Equivalent		
30.4	Valve Type	Flow Control Valve		
30.5	Max. Flow	35 L/min.		
30.6	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
30.7	Direction of Flow	Meter-In Throttle A-Line		



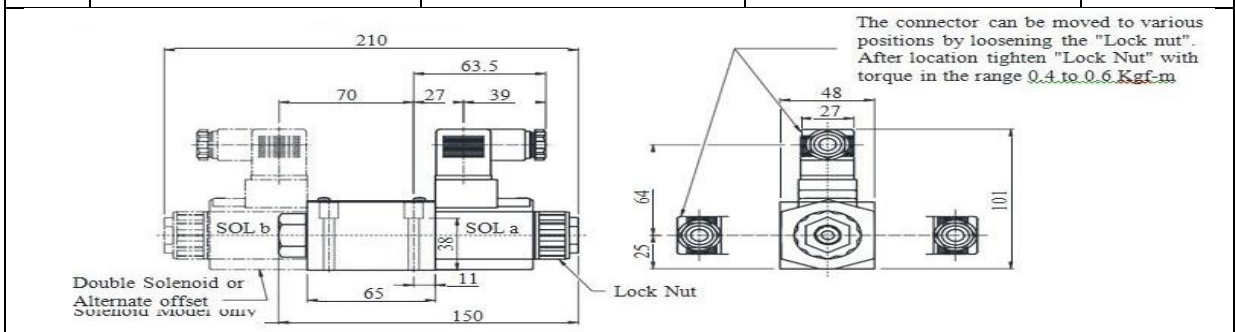
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	All dimensions are in mm. Figures and dimensions are only for reference so that the goods shall be suitable for installation and operation point of View.			
30.8	Is the Manufacturer ISO certified?	Yes		
30.9	Product's Catalogue	To be submitted		
<b>32</b>	<b><u>THROTTLE AND CHECK MODULAR VALVE</u></b>			
31.1	Name of Manufacturer			
31.2	Country of Origin			
31.3	Model No.	MSW-01-X-30 or Equivalent		
31.3	Valve Type	Flow Control Valve		
31.4	Max. Flow	35 L/min.		
31.5	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
31.6	Direction of Flow	Meter-Out Throttle in A.B Line		
	All dimensions are in mm. Figures and dimensions are only for reference so that the goods shall be suitable for installation and operation point of View.			
				
31.7	Is the Manufacturer ISO certified?	Yes		
31.8	Product's Catalogue	To be submitted		
<b>32</b>	<b><u>REDUCING MODULAR VALVE</u></b>			
32.1	Name of Manufacturer			
32.2	Country of Origin			
32.3	Model No.	MRP-01-A-30H16 or Equivalent		
32.4	Max. Flow	35 L/min.		
32.5	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
32.6	Pressure Adjustment Range	3~40 Kgf/cm <sup>2</sup>		



S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
	<p>L1-166.2mm L2-92mm</p>	<p>Figures and dimensions are only for reference so that the goods shall be suitable for installation and operation point of View. All dimensions are in mm (inch).</p>		
32.7	<b>Is the Manufacturer ISO certified?</b>	Yes		
32.8	<b>Product's Catalogue</b>	To be submitted		
<b>33</b>	<b><u>THROTTLE AND CHECK MODULAR VALVE</u></b>			
33.1	Name of Manufacturer			
33.2	Country of Origin			
33.3	Model No.	MSA-01-X-30 or Equivalent		
33.4	Valve Type	Flow Control Valve		
33.5	Max. Flow	35 L/min.		
33.6	Max. Operating Pressure	250 Kg/cm <sup>2</sup>		
33.7	Direction of Flow	Meter-out Throttle in A Line		
	<p>Figures and dimensions are only for reference so that the goods shall be suitable for installation and operation point of View. All the dimensions are in mm.</p>			
33.8	<b>Is the Manufacturer ISO certified?</b>	Yes		
33.9	<b>Product's Catalogue</b>	To be submitted		
<b>34</b>	<b><u>SOLENOID OPERATED DIRECTIONAL VALVE</u></b>			
34.1	Name of Manufacturer			
34.2	Country of Origin			
34.3	Model No.	DSG-01-2B2-D110-N1-		

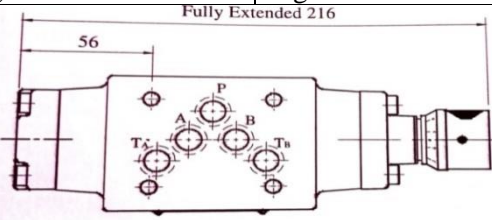


S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
		50-L or Equivalent		
34.4	Max. Flow	63 L/min.		
34.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
34.6	Max. T-Line Back Pressure	160 Kgf/cm <sup>2</sup>		
34.7	Max. Changeover Frequency	300 Cycles/min.		
34.8	Number of Valve Positions	2		
34.9	Spool Spring Arrangement	Spring Offset		
34.10	Spool Type	2		
34.11	Coil Type	DC 110 V, 0.24A & 26W @ rated voltage		
34.12	No. of Coil	2 Nos.		
34.13	Electrical Conduit Connection	with Plug-in Connector with indicator Light		
34.14	Suitable for	VG 68 Turbine Oil		
34.15	Other feature	i) Model with Alternate Offset Solenoid		
34.16		ii) IP65 or Equivalent dust and water resistant		
34.17	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
34.18	<b>Manufacturer's Authorization</b>	To be submitted		
34.19	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
34.20	<b>Product's Catalogue</b>	To be submitted		



All the dimensions are in mm. Figure & dimensions are only for reference and the goods shall be suitable for the installation and operation point of View.

<b>35</b>	<b><u>THROTTLE AND CHECK MODULAR VALVE</u></b>			
35.1	Name of Manufacturer			
35.2	Country of Origin			
35.3	Model No.	MSB-03-XL-20 or		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
		Equivalent		
35.4	Valve Type	Flow Control Valve		
35.5	Max. Flow	70 L/min.		
35.6	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
35.7	Direction of Flow	Meter-Out Throttle		
35.8	Differential Pressure Range	Pressure Difference 5-50 Kgf/cm <sup>2</sup>		
	 <p>All the dimensions are in mm. Figure &amp; dimensions are only for reference and the goods shall be suitable for the installation and operation point of View.</p>			
35.9	<b>Is the Manufacturer ISO certified?</b>	Yes		
35.10	<b>Product's Catalogue</b>	To be submitted		
<b>36</b>	<b><u>SOLENOID OPERATED DIRECTIONAL VALVE</u></b>			
36.1	Name of Manufacturer			
36.2	Country of Origin			
36.3	Model No.	DSG-03-2B2-D110-N1-50-L or Equivalent		
36.4	Max. Flow	120 L/min.		
36.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
36.6	Max. T-Line Back Pressure	160 Kgf/cm <sup>2</sup>		
36.7	Max. Changeover Frequency	240 Cycles/min.		
36.8	Number of Valve Positions	2		
36.9	Spool Spring Arrangement	Spring Offset		
36.10	Spool Type	2		
36.11	Coil Type	DC 110 V, 0.35A & 38W @ rated voltage		
36.12	No. of Coil	1 Nos.		
36.13	Electrical Conduit Connection	with Plug-in Connector with indicator Light		
36.14	Suitable for	VG 68 Turbine Oil		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
36.15	Other feature	i) Model with Alternate Offset Solenoid		
36.16	<b>Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate</b>	To be submitted		
36.17	<b>Manufacturer's Authorization</b>	To be submitted		
36.18	<b>Installation and Retrofitting</b>	Shall be done by the bidder itself.		
36.19	<b>Product's Catalogue</b>	To be submitted		

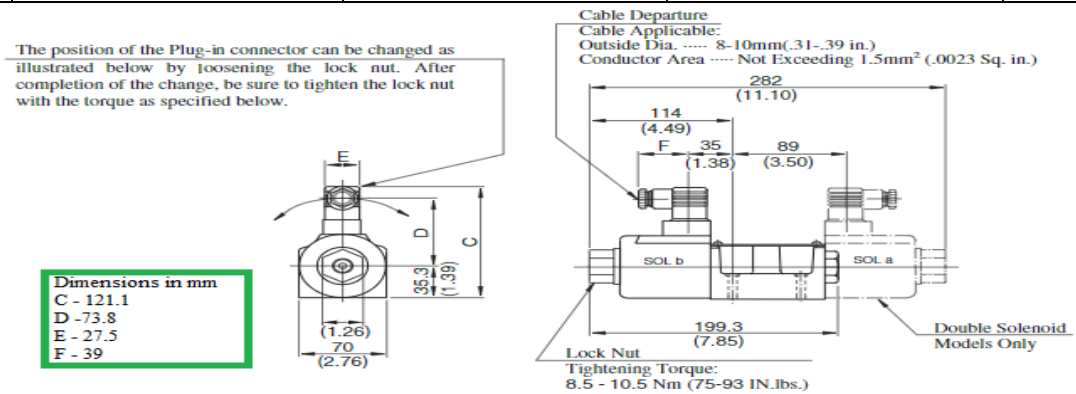
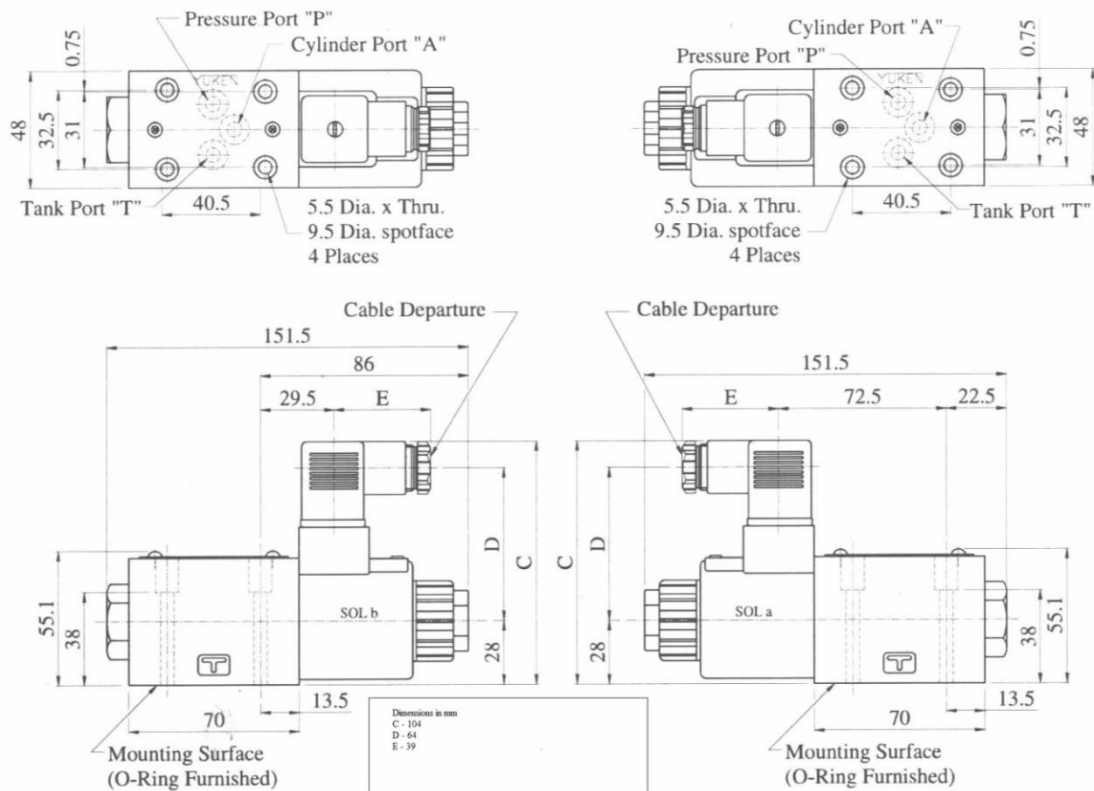


Figure & dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.

<b>37</b>	<b><u>POPPET TYPE SOLENOID OPERATED DIRECTIONAL VALVE</u></b>			
37.1	Name of Manufacturer			
37.2	Country of Origin			
37.3	Model No.	DSL G-01-3-C-D110-N1-11H10 or Equivalent		
37.4	Max. Flow	16 L/min.		
37.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
37.6	Max. T-Line Back Pressure	160 Kgf/cm <sup>2</sup>		
37.7	Max. Changeover Frequency	240 Cycles/min.		
37.8	Mounting Type	Sub-plate mounting		
37.9	Number of Port	3		
37.10	Function	Normally Closed		
37.11	Coil Type	110 VDC		
37.12	No. of Coil	Single		
37.13	Electrical Conduit Connection	with Plug-in Connector with indicator Light		
37.14	Suitable for	VG 68 Turbine Oil		
37.15	Other feature	High response and reliability; No Leak		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
37.16	Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate	To be submitted		
37.17	Manufacturer's Authorization	To be submitted		
37.18	Installation and Retrofitting	Shall be done by the bidder itself.		
37.19	Product's Catalogue	To be submitted		

Figure & dimensions are only for reference so that goods shall be suitable for the installation and operation point of View. All the dimensions are in mm.



<b>38</b>	<b><u>DIRECTIONAL AND FLOW CONTROL LOGIC VALVE</u></b>			
38.1	Name of Manufacturer			
38.2	Country of Origin			
38.3	Model No.	LD-16-20-X-05-12 or Equivalent		
38.4	Max. Flow	130 L/min.		
38.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
38.6	Ratio of Poppet Area	2:1 (Annular area 50%)		
38.7	Cracking Pressure	0.2 Mpa (2 Kgf/cm <sup>2</sup> )		
38.8	Location of Orifice	Pilot Port X		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
38.9	Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate	To be submitted		
38.10	Manufacturer's Authorization	To be submitted		
38.11	Installation and Retrofitting	Shall be done by the bidder itself.		
38.12	Product's Catalogue	To be submitted		
<b>39</b>	<b><u>DIRECTIONAL AND FLOW CONTROL LOGIC VALVE</u></b>			
39.1	Name of Manufacturer			
39.2	Country of Origin			
39.3	Model No.	LD-16-20-1-X-05-12 or equivalent		
39.4	Max. Flow	130 L/min.		
39.5	Max. Operating Pressure	315 Kgf/cm <sup>2</sup>		
39.6	Ratio of Poppet Area	2:1 (Annular area 50%)		
39.7	Cracking Pressure	0.2 Mpa (2 Kgf/cm <sup>2</sup> )		
39.8	Cover Type	With stroke adjuster		
39.9	Location of Orifice	Pilot Port X		
39.10	Manufacturer's Valid Quality ISO or Equivalent Quality Assurance Certificate	To be submitted		
39.11	Manufacturer's Authorization	To be submitted		
39.12	Installation and Retrofitting	Shall be done by the bidder itself.		
39.13	Product's Catalogue	To be submitted		
<b>40</b>	<b><u>UNLOADING RELIEF VALVE</u></b>			
40.1	Name of Manufacturer			
40.2	Country of Origin			
40.3	Model No.	BUCG-06-H-3080 or equivalent		
40.4	Max. Flow	125 L/min.		
40.5	Max. Operating Pressure	210 Kgf/cm <sup>2</sup>		
40.6	Type of Mounting	Sub-plate mounting		
40.7	Cut-Out Pressure Adjusting Range	70~210 Kgf/cm <sup>2</sup>		
40.8	Design Standard	European Standard		
40.9	Suitable for	VG 68 Turbine Oil		
40.10	Is the Manufacturer ISO certified?	Yes		


S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
40.11	<b>Product's Catalogue</b>	To be submitted		
	Figure & dimensions are only for reference so that goods shall be suitable for the installation and operation point of View. Dimensions are in mm.			
<b>41</b>	<b><u>Pilot Control Check Valve</u></b>			
41.1	Name of Manufacturer			
41.2	Country of Origin			
41.3	Model No.	CPG-06-E-75-20 or Equivalent		
41.4	Max. Flow	125 L/min.		
41.5	Max. Operating Pressure	250 Kgf/cm2		
41.6	Cracking Pressure	5 Kgf/cm2		
41.7	Type of Mounting	Sub-plate mounting		
41.8	Drain Connection	External Drain		
41.9	Suitable for	VG 68 Turbine Oil		
41.10	<b>Is the Manufacturer ISO certified?</b>	Yes		
41.11	<b>Product's Catalogue</b>	To be submitted		
	Figure & dimensions are only for reference so that goods shall be suitable for the installation and operation point of View. Dimensions are in mm.			
<b>42</b>	<b><u>Ball Valve</u></b>			
42.1	Name of Manufacturer			
42.2	Country of Origin			
42.3	Model No.			
42.4	Material	Stainless Steel		

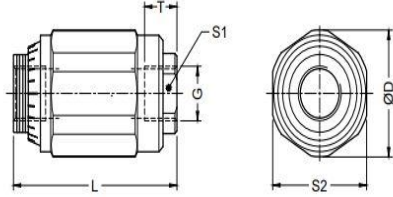
S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
42.5	Ball Seat	POM/PEEK/PTFE/GFT/ CFT		
42.6	Body & Stem Seals	PTFE /NBR/FPM		
42.7	Size	1/2"		
42.8	Pressure Range	up to 1000 Bar		
42.9	Temperature Range	- 40°C + 200°C		
42.10	End Connection	Threaded (NPT Male/Female Extended Nipple) Scope : to be supplied		
42.11	Is the Manufacturer ISO certified?	Yes		
42.12	Product's Catalogue	To be submitted		
<b>43</b>	<b><u>Pilot Operated Check Valves</u></b>			
43.1	Name of Manufacturer			
43.2	Country of Origin			
43.3	Model No.	MPA-01-4-40H01 or Equivalent		
43.4	Max. Flow	35 L/min.		
43.5	Max. Operating Pressure	250 Kgf/cm <sup>2</sup>		
43.6	Cracking Pressure	4 Kgf/cm <sup>2</sup>		
43.7	Is the Manufacturer ISO certified?	Yes		
43.8	Product's Catalogue	To be submitted		
	All the dimensions are in mm/inch. Figure & dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.			
<b>44</b>	<b><u>Universal Charging and testing Kit for Piston Type Accumulator</u></b>			
44.1	Name of Manufacturer			
44.2	Country of Origin			



S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
44.3	Model No.			
44.4	Pressure Range (Gauge Indication)	0-250 Bar		
44.5	Hose Pipe	for 200 Bar Nitrogen Bottle with connection W24.32 x 1/14 (DIN 477, Part 1), >600 Bar Pressure of Length Min. 2.5 m		
44.6	Adaptor for Nitrogen Bottle	W24.32 x 1/14		
44.7	Adaptor for Hydraulic Accumulator	7/8-14 UNF		
44.8	Is the Manufacturer ISO certified?	Yes		
44.9	Product's Catalogue	To be submitted		
44.10	Must be compatible with supplied Accumulator	Yes		
<b>45</b>	<b><u>FILTER ELEMENT</u></b>			
45.1	Name of Manufacturer			
45.2	Country of Origin			
45.3	Model No.	2.0008 H10XL A00 OP or equivalent		
45.4	Type	One side open		
45.5	Nominal Size	0008 (One side open O-Ring Sealing)		
45.6	Filtering Media	Absolute filtration (ISO 16889) in µm		
45.7	Filtration Grade	10 µm		
45.8	Differential Pressure of Element	30 bar (Standard)		
45.9	Element Adhesive	Standard Adhesive Temperature 100 deg C		
45.10	Seal Material	Nitrile		
45.11	Dimension:			
	Length	157mm(Approx.)		
	Outside Dia.	45mm		
	Inside Dia.	24mm (Approx.)		
45.12	Is the Manufacturer ISO certified?	Yes		
45.13	Product's Catalogue	To be submitted		



S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
				
45.14	Must be suitable for supplied pressure Line filter	Yes		
<b>46</b>	<b><u>Throttle and Check Valve</u></b>			
46.1	Name of Manufacturer			
46.2	Country of Origin			
46.3	Model No.	TCTG04-2.0 or Equivalent		
46.4	Construction	Inline threaded body with rotating sleeve for flow adjustment. Non pressure and viscosity compensated.		
46.5	Mounting style	Inline, threaded body		
46.6	Mounting position	Optional		
46.7	Flow direction	Free flow in one direction. Adjustable throttled flow in opposite direction as indicated on the valve body.		
46.8	Operating pressure	315 Bar		
46.9	Hydraulic medium	Mineral Oil		
46.10	Viscosity range	10 to 380 cSt		
46.11	Fluid cleanliness requirement	As per ISO 4406 20/18/15		
46.12	Fluid temperature range	-20 to +70 deg. C		
46.13	Maximum flow handling capacity	60 L/Min.		
46.14	Seal	Nitrile		
46.15	End Connection (G)	G1/2		
46.16	Dimension:			
	T	14 mm		
	S1	27 mm		
	S2	46 mm		
	L	80 mm		
	ΦD	49 mm		
46.17	Is the Manufacturer ISO certified?	Yes		

S. N.	DESCRIPTION	EMPLOYER REQUIREMENTS	FILLED BY BIDDER	REMARKS
46.18	<b>Product's Catalogue</b>	To be submitted		
	Figure & dimensions are only for reference so that the goods shall be suitable for the installation and operation point of View.			
				

- Note:-**
- All the items supplied under this contract should be from ISO or Equivalent International Quality certified company. The evidence of valid quality certificate must be submitted alongwith bid document.
  - The entire Supplied Spare Parts should be installed/retrofitted at site in the existing OPU and only after the satisfactory operation is confirmed, the Spares parts will be accepted.
  - If Bidder shall proposed item of same model (from same manufacturer), as specified in cell above, the manufacturer's catalog are not necessary for verification of technical specification.
  - Offered goods shall be similar in construction, material, dimension, function and operation point of view.

**Note:**

- Failure to submit the required Data Sheets and Experience Certificates may cause the Bidder to be substantially Non- responsive, and accordingly his/her Bid may be rejected.
- Manufacturer's Letter of authorization, ISO 9001 Certificate, End User Certificate will be required as specified above.
- Bidders are strictly advised to complete the TECHNICAL DATA SHEET and submit the detail catalogue that justifies the filled data, as required; otherwise the BID shall be treated as NON-RESPONSIVE BID.
- The maximum possible information available have been given, Bidders are advised to visit the site, get knowledge about site conditions and technology before submitting the bid.
- The sizes reflected in the drawings or documents are for references. Actual sizes and samples may be verified by the Bidder during site visit.
- The GOODS and services supplied under this contract should meet the relevant equivalent standard in all respect of engineering design, manufacturing and operation point of view.

**Deviations from Technical Requirements:**

Signature: .....

As Representative for: .....

Address: ..... Date: .....



### 3. INSURANCE

All risks insurance coverage including handling, loading, unloading and transportation of goods, at Sundarijal HPS is within the contractor's scope.

The minimum insurance amounts and deductibles shall be:

- a. The minimum cover for loss of or damage to the Works, Plant and Materials is: **110% of Contract Amount.**
- b. The minimum cover for personal injury or death insurance: **for the Contractor's employees and Third party is that specified in the Labor act of Nepal.**

## **Section VI. General Conditions of Contract**

## Section VI. General Conditions of Contract

<b>1. Definitions</b>	<p>1.1 The following words and expressions shall have the meanings hereby assigned to them:</p> <ul style="list-style-type: none"> <li>(a) “Contract” means the Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.</li> <li>(b) “Contract Documents” means the documents listed in the Agreement, including any amendments thereto.</li> <li>(c) “Contract Price” means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.</li> <li>(d) “Day” means calendar day.</li> <li>(e) “Delivery” means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.</li> <li>(f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.</li> <li>(g) “GCC” means the General Conditions of Contract.</li> <li>(h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.</li> <li>(i) “Purchaser’s Country” is the country specified in the Special Conditions of Contract (SCC).</li> <li>(j) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the SCC.</li> <li>(k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the Supplier under the Contract.</li> <li>(l) “SCC” means the Special Conditions of Contract.</li> <li>(m) “Subcontractor” means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.</li> <li>(n) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the Supplier.</li> <li>(o) “GoN” means the Government of Nepal.</li> <li>(p) “The Site,” where applicable, means the place named in the SCC.</li> </ul>
<b>2. Contract Documents</b>	<p>2.3 Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.</p>
<b>3. Fraud and Corruption</b>	<p>3.1 If the Purchaser determines that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 14 days notice to the Supplier, terminate the Supplier's employment under the Contract and the</p>

	<p>provisions of GCC Clause 34.1 shall apply.</p> <p>For the purposes of this Sub-Clause:</p> <p>(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;</p> <p>(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;</p> <p>(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;</p> <p>(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;</p> <p>(v) “obstructive practice” is</p> <p>(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 GoN/DP 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</p> <p>(bb) acts intended to materially impede the exercise of the GoN/DP’s inspection and audit rights provided for under ITB Clause 3.5 and GCC Clause 25.</p> <p><b>3.2</b> Without prejudice to any other rights of the Purchaser under this Contract, <b>on the recommendation of the Purchaser, Public Procurement Monitoring Office may blacklist</b> a Bidder/Supplier 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> <p>(a) if it is established that the Supplier committed acts specified in ITB 3.2,</p> <p>(b) if it is established later that the Bidder 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.</p> <p><b>3.3</b> In case of DP funded bid, DP:</p> <p>(a) will cancel the portion of the loan allocated to a contract if it determines at</p>
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<sup>5</sup>a “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

<sup>6</sup> “parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

<sup>7</sup>a “party” refers to a participant in the procurement process or contract execution.

	<p>any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to remedy the situation;</p> <p>(b) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Bank-financed contract; and</p> <p>(c) will have the right to require that Suppliers to permit the Bank to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.</p>
<p><b>4. Interpretation</b></p>	<p><b>4.1</b> If the context so requires it, singular means plural and vice versa.</p> <p><b>4.2</b> Entire Agreement The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.</p> <p><b>4.3</b> Amendment No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.</p> <p><b>4.4</b> Non waiver (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract. (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.</p> <p><b>4.5</b> Severability If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.</p>
<p><b>5. Language</b></p>	<p><b>5.1</b> The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the SCC, in which case, for purposes of interpretation of the</p>

	<p>Contract, this translation shall govern.</p> <p><b>5.2</b> The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.</p>
<b>6. Joint Venture, Consortium or Association</b>	<p><b>6.1</b> If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. A bidder can submit only one bid either as a partner of the joint venture or individually. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.</p> <p><b>6.2</b> The contractor shall not handover the responsibility of the contract to any one member or some members of Joint Venture or any other parties, not involved in the contract.</p>
<b>7. Notices</b>	<p><b>7.1</b> Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt.</p> <p><b>7.2</b> A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.</p>
<b>8. Governing Law</b>	<b>8.1</b> The Contract shall be governed by and interpreted in accordance with the laws of Nepal.
<b>9. Settlement of Disputes</b>	<p><b>9.1</b> The Purchaser and the Supplier shall make every effort to settle amicably by direct negotiation any disagreement or dispute arising between them under or in connection with the Contract.</p> <p><b>9.2</b> 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 as specified in SCC.</p>
<b>10. Scope of Supply</b>	<p><b>10.1</b> Subject to the SCC, the Goods and Related Services to be supplied shall be as specified in Section V, Schedule of Requirements.</p> <p><b>10.2</b> Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods and Related Services as if such items were expressly mentioned in the Contract.</p>
<b>11. Delivery</b>	<b>11.1</b> Subject to GCC Sub-Clause 31.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Section V, Schedule of Requirements. The details of documents to be furnished by the Supplier are specified in the SCC.
<b>12. Supplier’s Responsibilities</b>	<b>12.1</b> The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 10, and the Delivery and Completion Schedule, as per GCC Clause 11.
<b>13. Purchaser’s Responsibilities</b>	<p><b>13.1</b> Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals, and import and other licenses from public authorities in Nepal, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.</p> <p><b>13.2</b> The Purchaser shall pay all costs involved in the performance of its</p>



	responsibilities, in accordance with GCC Sub-Clause 13.1.
<b>14. Contract Price</b>	<p><b>14.1</b> The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.</p> <p><b>14.2</b> Prices charged by the Supplier for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized in the SCC.</p>
<b>15. Terms of Payment</b>	<p><b>15.1</b> The Contract Price shall be paid as <i>specified in SCC</i>.</p> <p><b>15.2</b> The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC <i>Clause 11.1</i> and upon fulfillment of all the obligations stipulated in the Contract.</p> <p><b>15.3</b> Unless otherwise <i>specified in the SCC</i>, the Purchaser shall retain from each payment due to the Contractor the proportion stated in the SCC. Half of the total amount retained shall be repaid to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations and half when the supplier has submitted the evidence of submission of tax return to the concerned Internal Revenue Office.</p> <p><b>15.4</b> Payments shall be made promptly by the Purchaser, no later than thirty (30) days after submission of an invoice or request for payment by the Supplier, and the Purchaser has accepted it.</p> <p><b>15.5</b> Payments shall be made to the Supplier under this Contract in Nepalese Currency.</p> <p><b>15.6</b> In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the GCC 15.4, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the SCC, for the period of delay until due payment has been made</p>
<b>16. Taxes and Duties</b>	<p><b>16.1</b> For goods supplied, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser</p>
<b>17. Performance Security</b>	<p><b>17.1</b> The Supplier shall, within fifteen (15) days of the receipt of notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies specified in the SCC.</p> <p><b>17.2</b> The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.</p> <p><b>17.3</b> The Performance Security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the SCC, or in another form acceptable to the Purchaser.</p> <p><b>17.4</b> The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the SCC.</p>

<b>18. Copyright</b>	<b>18.1</b> The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
<b>19. Confidential Information</b>	<p><b>19.1</b> The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 19.</p> <p><b>19.2</b> The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the Contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.</p> <p><b>19.3</b> The obligation of a party under GCC Sub-Clauses 19.1 and 19.2 above, however, shall not apply to information that:</p> <ul style="list-style-type: none"> <li>(a) the Purchaser or Supplier need to share with the Donor for Donor funded project or other institutions participating in the financing of the Contract;</li> <li>(b) now or hereafter enters the public domain through no fault of that party;</li> <li>(c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or</li> <li>(d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.</li> </ul> <p><b>19.4</b> The above provisions of GCC Clause 19 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.</p> <p><b>19.5</b> The provisions of GCC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.</p>
<b>20. Subcontracting</b>	<p><b>20.1</b> The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.</p> <p><b>20.2</b> Subcontracts shall comply with the provisions of GCC Clauses 3.</p>
<b>21. Specifications and Standards</b>	<p><b>21.1</b> Technical Specifications and Drawings</p> <ul style="list-style-type: none"> <li>(a) The Supplier shall ensure that the Goods and Related Services comply with the technical specifications and other provisions of the Contract.</li> <li>(b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof</li> </ul>

	<p>provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.</p> <p>(c) The Goods and Related Services supplied under this Contract shall conform to the standards mentioned in Section V, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.</p> <p><b>21.2</b> Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Section V, Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GCC Clause 32.</p>
<b>22. Packing and Documents</b>	<p><b>22.1</b> The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.</p> <p><b>22.2</b> The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Purchaser.</p>
<b>23. Insurance</b>	<p><b>23.1</b> Unless otherwise <i>specified in the SCC</i>, the Goods supplied under the Contract shall be fully insured, in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in the manner specified in the SCC.</p>
<b>24. Transportation</b>	<p><b>24.1</b> The supplier is required under the contract to transport the Goods to a specified place of final destination, defined as the project site, transport to such place of destination including insurance and storage, as shall be specified in the contract, shall be arranged by the supplier, and related costs shall be included in the contract price.</p>
<b>25. Inspections and Tests</b>	<p><b>25.1</b> The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in Sections V, Schedule of Requirements.</p> <p><b>25.2</b> The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the final destination of the Goods, or in another place in Nepal as specified in the SCC. Subject to GCC Sub-Clause 25.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.</p> <p><b>25.3</b> The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 25.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.</p> <p><b>25.4</b> Whenever the Supplier is ready to carry out any such test and inspection, it</p>

	<p>shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.</p> <p><b>25.5</b> The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impede the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.</p> <p><b>25.6</b> The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.</p> <p><b>25.7</b> The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GCC Sub-Clause 25.4.</p> <p><b>25.8</b> The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GCC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.</p>
<p><b>26. Liquidated Damages</b></p>	<p><b>26.1</b> Except as provided under GCC Clause 31, if the Supplier fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the SCC. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 34.</p>
<p><b>27. Warranty</b></p>	<p><b>27.1</b> The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.</p> <p><b>27.2</b> Subject to GCC Sub-Clause 21.1, the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in Nepal.</p> <p><b>27.3</b> Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC.</p> <p><b>27.4</b> The Purchaser shall give Notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.</p> <p><b>27.5</b> Upon receipt of such Notice, the Supplier shall, within the period specified in</p>

	<p>the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.</p> <p><b>27.6</b> If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.</p>
<p><b>28. Patent Indemnity</b></p>	<p><b>28.1</b> The Supplier shall, subject to the Purchaser's compliance with GCC Sub-Clause 28.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:</p> <p>(a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and</p> <p>(b) the sale in any country of the products produced by the Goods.</p> <p>Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.</p> <p><b>28.2</b> If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC Sub-Clause 28.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.</p> <p><b>28.3</b> If the Supplier fails to notify the Purchaser within thirty (30) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.</p> <p><b>28.4</b> The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.</p> <p><b>28.5</b> The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.</p>
<p><b>29. Limitation of Liability</b></p>	<p><b>29.1</b> Except in cases of gross negligence or willful misconduct :</p> <p>(a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any</p>



	<p>obligation of the Supplier to pay liquidated damages to the Purchaser; and</p> <p>(b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.</p>
<b>30. Change in Laws and Regulations</b>	<b>30.1</b> Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Nepal where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 14.
<b>31. Force Majeure</b>	<p><b>31.1</b> The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p><b>31.2</b> For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.</p> <p><b>31.3</b> If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.</p>
<b>32. Change Orders and Contract Amendments</b>	<p><b>32.1</b> The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 7, to make changes within the general scope of the Contract in any one or more of the following:</p> <p>(a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;</p> <p>(b) the method of shipment or packing;</p> <p>(c) the place of delivery; and</p> <p>(d) the Related Services to be provided by the Supplier.</p> <p><b>32.2</b> If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within thirty (30) days from the date of the Supplier’s receipt of the</p>

	<p>Purchaser's change order.</p> <p><b>32.3</b> Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p>
<p><b>33. Extensions of Time</b></p>	<p><b>33.1</b> If at any time during performance of the Contract, the Supplier or its Subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 11, the Supplier shall promptly, and at least twenty one (21) days before the expiry of procurement contract, notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.</p> <p><b>33.2</b> Except in case of Force Majeure, as provided under GCC Clause 31, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 34.1.</p>
<p><b>34. Termination</b></p>	<p><b>34.1</b> Termination for Default</p> <p>(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Supplier, may terminate the Contract in whole or in part:</p> <ul style="list-style-type: none"> <li>(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 33; or</li> <li>(ii) if the Supplier fails to perform any other obligation under the Contract.</li> <li>(iii) The supplier uses the advance payment for matters other than the contractual obligations.</li> <li>(iv) The purchaser may terminate the contract at any time in the following condition incase contract is terminated. supplier shall obliged to pay whole amount of remaining work or supply or fulfill the any Supplier obligation. <ul style="list-style-type: none"> <li>(a) does not commence the work as per the contract,</li> <li>(b) abandons the contract without completing,</li> <li>(c) fails to achieve progress as per the contract.</li> </ul> </li> </ul> <p>(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 34.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.</p> <p>(c) if the Supplier, in the judgment of the Purchaser has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, as defined in GCC</p>

	<p>Clause 3, in competing for or in executing the Contract.</p> <p><b>34.2 Termination for Insolvency</b></p> <p>The Purchaser may at any time terminate the Contract by giving Notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.</p> <p><b>34.3 Termination for Convenience</b></p> <p>(a) The Purchaser, by written Notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser’s convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.</p> <p>(b) The Goods that are complete and ready for shipment within seven (7) days after the Supplier’s receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:</p> <ul style="list-style-type: none"> <li>(i) To have any portion completed and delivered at the Contract terms and prices; and/or</li> <li>(ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.</li> </ul>
<p><b>35. Assignment</b></p>	<p><b>35.1</b> Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.</p>



## **Section VII. Special Conditions of Contract**

## Section VII. Special Conditions of Contract

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

<b>1. Definitions</b>	GCC 1.1(i)	The Purchaser's country is: <b>NEPAL</b>
	GCC 1.1(j)	The Purchaser is: <i>NEA, Sundarijal Hydropower Station.</i>
	GCC 1.1 (p)	The Site is : <i>Sundarijal Hydropower Station, Sundarijal, Kathmandu, Nepal</i>
<b>2. Language</b>	GCC 5.1	The language shall be: <b>ENGLISH</b>
<b>3. Notices</b>	GCC 7.1	For <b>notices</b> , the Purchaser's address shall be: <b>Nepal Electricity Authority Generation Directorate Medium Generation Operation and Maintenance Department Sundarijal Hydropower Station Sundarijal, Kathmandu, Nepal Tel.:01-4801394 Email:- sundarijal@nea.org.np</b>
		For <b>notices</b> , the Supplier's address shall be: <u><i>[insert full name and address of Suppliers including telephone number, facsimile number and electronic mail address (if applicable)]</i></u> Name and Address of the Supplier: Telephone number: Facsimile number: e-mail Address:
<b>4. Settlement of Disputes</b>	GCC 9.2	In case of arbitration, the arbitration shall be conducted in accordance with the arbitration procedures published by the Nepal Council of Arbitration (NEPCA) at <b>Kathmandu, Nepal</b>
<b>5. Scope of Supply</b>	GCC 10.1	The Scope of Supply shall be defined in: <i>"Section V, Schedule of Requirements"</i>
<b>6. Delivery</b>	GCC 11.1	Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and send the following documents to the Purchaser: <b>a) Copies of the Supplier's invoice showing the description of the Goods, quantity, unit price, and total amount;</b> <b>b) Delivery note, railway receipt, or truck receipt;</b>
		The Purchaser shall receive the above documents before the arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses. <i>[Note: The above requirements should be reviewed on a case-by-case basis, with amendments being made as necessary]</i>
<b>7. Contract Price</b>	GCC14.2	The prices charged for the Goods delivered and the Related Services to be performed <b>shall be fixed</b> for the duration of the contract.

<b>8. Terms of Payment</b>	<b>GCC 15.1</b>	The terms of payment to be made to the Supplier under the contract shall be as follows:
		<p>Payments shall be made in Nepalese Rupees in the following manner:</p> <p>The terms of payment to be made to the Supplier under the contract shall be as follows:</p> <ol style="list-style-type: none"> <li>1. The payment shall be made: <ol style="list-style-type: none"> <li>a) through accounts division/unit of the Purchaser</li> </ol> </li> </ol> <p>Payments shall be made in Nepalese Rupees in the following manner:</p> <ol style="list-style-type: none"> <li>a) Upon Delivery: 95 percent of the contract price shall be paid after completion of delivery and testing of Spare Parts.</li> <li>b) Retention Amount: 5 percent of the contract price shall be retained for Defect Liability Period</li> </ol>
	<b>GCC 15.3</b>	<b>The proportion of payments retained is: 5 (five) percent</b>
	<b>GCC 15.6</b>	<b>The interest rate that shall be applied for payment delay is: Not Applicable</b>
<b>9. Performance Security</b>	<b>GCC 17.1</b>	<p>The Supplier shall provide a Performance Security as follows:</p> <ol style="list-style-type: none"> <li>I. If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent less than the approved cost estimate, the performance security amount shall be 5 (five) percent of the bid price.</li> <li>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 style="text-align: center;"><b>Performance Security Amount = [(0.85 x Cost Estimate – Bid Price) x 0.5] + 5% of Bid Price.</b></p> </li> </ol> <p>The Bid Price and Cost Estimate shall be inclusive of Value Added Tax.</p> <p><b>The amount of the Performance Security shall be in Nepalese Rupees, and shall be valid for the period of: <i>at least Thirteen (13) months from the date of Contract completion Period.</i></b></p> <p>The performance security shall be forfeited, in case the Supplier fails to complete the contractual obligation and rectify the defects within warranty period.</p>
	<b>GCC 17.3</b>	The types of acceptable Performance Securities are: <b>A bank guarantee issued by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law located in Nepal or reputable bank located abroad, acceptable to the Purchaser, in the format included in Section VIII, Contract Forms, Performance Security issued by foreign Bank must be counter – guaranteed by Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law in Nepal.</b>

	GCC 17.4	<p>Discharge of the Performance Security shall take place:[(a) <i>in accordance with GCC Sub-Clause 17.4; or (b) indicate how the Performance Security shall be discharged</i>]</p> <p>[The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than Ninety (90) days from the date of completion of the Supplier's Performance obligations under the Contract.]</p>
<p><b>10. Packing and Documents</b></p>	GCC 22.2	<p>Additional requirement for packing and marking are as follows:</p> <p><b><u>Packaging</u></b></p> <p>(a) Where applicable, the Supplier shall pack and crate all equipment for sea shipment in a manner suitable for export to a tropical humid climate in accordance with internationally accepted export practices and in such a manner to protect the equipment from damage and deterioration in transit by road, rail or sea. The Supplier shall be held responsible for all damages due to improper packing.</p> <p>(b) In accordance with good packing practices, materials shall be packed in the smallest possible containers. Interior blocking, bracing, and cushioning shall be provided where necessary to absorb shocks, prevent rattling and prevent damage from destructive forces. Packages containing fragile material shall be so marked in bold letters and shall be tropicalized.</p> <p>(c) The use of open type crating and/or similar packing shall be restricted to materials not susceptible to pilferage or to damage by the elements of salt water. This method of packing shall not be used without obtaining the prior approval of Purchaser.</p> <p>(d) One protected copy of packing list for each case shall be enclosed in that case.</p> <p>(e) All items must be packaged in manufacturer's quantities, as would be delivered to a retailer and all packages of a given item shall contain the same number of pieces. Bulk shipment is specifically prohibited. Individual packages shall be sufficiently strong to withstand normal handling and storage.</p> <p>All materials used for packing shall be environmentally neutral.</p>

		<p><b><u>Marking</u></b></p> <p>The Supplier shall adhere to and/or require his suppliers to adhere to the following provisions for export marking:</p> <ul style="list-style-type: none"> <li>(a) All external marking must be legibly and durably painted/stenciled on two (2) sides and both ends of containers in letters at least five (5) centimeters high. Under no circumstances shall chalk or crayon be used.</li> <li>(b) Packages from each supplier must be numbered consecutively. No two (2) packages delivered shall carry the same package number.</li> <li>(c) Net, tare and gross weights in kilograms as well as the correct outside measurement in terms of length, width and height in the Metric system must be shown on each package.</li> <li>(d) Marks indicating where to "SLING" will be emphasized on containers by stamping/painting an arrow on the exposed surface.</li> <li>(e) In the event that prior approval has been obtained from Purchaser to forward pieces without packing as specified in the Clause 6.6 above, the pieces must be safely protected or bundled, using ample metal binding, and metal tags bearing the required marks must be firmly wired to each bundle in at least two (2) visible places.</li> <li>(f) Unless otherwise specified by NEA, only the following marks shall be used on shipping containers:</li> </ul> <p>To: _____</p> <p>NEA _____</p> <p>For _____</p> <p>Package No: _____</p> <p>Contract No: _____</p> <p>Letter of Credit: _____</p> <p>Contents (or Item): _____</p> <p>Unit: Quantity: _____</p> <p>Gross Weight: _____ Kg.(Ltr) _____</p> <p>Total Weight: _____ Kg.(Ltr) _____</p> <p>Net Weight: _____ Kg.(Ltr) _____</p> <p>Dimensions Height Width Depth: _____</p> <p>Meters : _____</p> <p>Total Cubic Meters: _____</p>
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		<p>(a) The Supplier shall show and/or require his suppliers to show the following information on all Packing Lists:</p> <ul style="list-style-type: none"> <li>(i) Reference number of the Contract</li> <li>(ii) Supplier's Order Number</li> <li>(iii) Item Number of Suppliers' Order if any</li> <li>(iv) Invoice for Itemized cost of each material related to (c)</li> <li>(v) Export marking, other marks, and package number of each package and of each shipment</li> <li>(vi) Outside dimensions of each package in terms of length, width, and height, in meters.</li> <li>(vii) Total cubic measurement of the shipment in cubic meters.</li> <li>(viii) Package number and total number of package in the shipment.</li> <li>(ix) Manufacturer's serial number/numbers of equipment in shipment, if any.</li> </ul> <p>(b) In case of local contractor only the store the receipt advice shall be sufficient to meet all above obligation</p>
<p><b>11. Insurance</b></p>	<p><b>GCC 23.1</b></p>	<p>(a) The Supplier shall provide and maintain insurance applying to all shipments of GOODS with continuous coverage from the factory to Purchaser designated warehouse. Such insurance shall be with an insurance company presently authorized to conduct business in Nepal.</p> <p>(b) The Supplier shall provide marine insurance, if sea transportation is required, and all insurance coverage for inland transportation to Purchaser warehouse sites as specified in the Bid Packages.</p> <p>(c) The insurance provided shall cover all risks, and the minimum limits of insurance shall be the total cost plus ten percent of the materials delivered to Purchaser warehouse sites as specified in the Bid Packages.</p> <p>(d) The Purchaser shall file with Purchaser properly executed certificates of insurance or copies of insurance policies before commencing shipment. These certificates shall be mailed in accordance with the provisions of Clause herein.</p> <p>Certificates of insurance shall contain the following information:</p> <ul style="list-style-type: none"> <li>i. Name and address of the insurance company, policy number and expiration date.</li> <li>ii. Signatures of insurance company representative or agent and address thereof.</li> <li>iii. Types of coverage and limits of insurance.</li> <li>iv. A statement indicating that Purchaser shall receive at least thirty (30) days advance written notice of cancellation of any of the policies or modifications of the insurance.</li> </ul>

		<p>b. The Supplier shall be responsible for and ensure that subcontractors, if any, maintain the same insurance and comply with the same provisions required of the Supplier.</p> <p>c. The furnishing of the foregoing insurance by the Supplier shall not limit any of the obligations or liabilities of the Supplier imposed under this CONTRACT or by laws of Nepal.</p> <p>d. In the event that, prior to acceptance by Purchaser any material is lost or damaged to the extent that in the opinion of Purchaser it cannot be used, the Supplier agrees to make immediate shipment or replacement material upon notification by Purchaser of the types and quantities of materials to be replaced. The shipment of replacement material shall not be delayed pending investigation of the cause of such loss or damage or by the filing and processing of insurance claims. If Purchaser agrees that any damaged material may be repaired instead of requiring replacement, the Supplier agrees to effect the repairs to the satisfaction of Purchaser as promptly as possible and to pay the full cost thereof.</p> <p>e. The Supplier agrees to prepare and submit to the insurance carrier all claims for loss or damage. Purchaser will assist the Supplier in compiling the needed information or data to identify the materials lost or damaged. The Supplier agrees that any payment resulting from insurance claims will be made by the insurance carrier to the Supplier and will constitute full and complete compensation for the replacement material.</p> <p>The Insurance shall be in an amount equal to <b>110</b> percent of the CIF or CIP value of the Goods from “warehouse” to “warehouse” on “All Risks” basis, including War Risks, riots and/or Strikes.</p>
<p><b>12. Transportation</b></p>	<p><b>GCC 24.1</b></p>	<p>Obligations for transportation of the Goods shall be in accordance with:</p> <p><i>the responsibility for transportation shall be in accordance with Incoterms or other trade terms, such as “The supplier is required under the contract to transport the Goods to a specified place of final destination, defined as the project site, transport to such place of destination including insurance and storage, as shall be specified in the contract, shall be arranged by the supplier, and related costs shall be included in the contract price.</i></p>

<b>13. Inspections and Tests</b>	GCC 25.2	<p>Tests and Inspections as specified in Section V, Schedule of Requirements, shall be carried out at the following times or milestones, and places:<sup>8</sup></p> <p>Goods: Accumulator/Gear Pump/Valves</p> <p>Type of Test: See Technical Specification for item to be tested/verified</p> <p>Time or Milestone: Pre dispatch Place At Manufacturers Factory/ Subcontractor's Testing Premise Inspection/test protocol and as-built-drawing of goods' shall be made available to the purchaser at least 15 days before the call for inspection. The purchaser will depute his two engineers to witness the factory inspection of the parts at the contractor's factory. Travelling expenses, per diem and VISA expense incurred by such personnel during their visit for such inspection shall be borne by the NEA. But the testing arrangement and related cost for the testing facilities is under Bidder obligation.</p>
<b>14. Liquidated Damages</b>	GCC 26.1	<p>Following are the addition of the clause:</p> <p>a. The completion time of delivery of GOODS is of the essence. Should the Supplier neglect, refuse, or fail to deliver the GOODS within the time herein agreed upon or after giving effect to any extensions of time herein provided, Liquidated Damage for each and every calendar day that such delivery of GOODS is delayed shall be imposed.</p> <p>b. The amount of such Liquidated Damages shall be one twentieth of one (0.05) percent of the total contract price per calendar day of delay with maximum deduction not to exceed ten (10) percent of the contract price.</p> <p>The contract shall be terminated, if liquidated damages exceeds 10 percent of the Contract Price and blacklisting process shall be initiated for the Supplier's failure to complete the contractual obligations.</p>
<b>15. Warranty</b>	GCC 27.3	<p>The period of validity of the Warranty shall be: <b>12 months,</b></p> <p><b><i>Warranty Period shall be started only after Project Completion</i></b></p> <p>For the purposes of the Warranty, the place of final destination shall be: <b>SUNDARIJL HYDRO POWER STATION, Sundarijal, Kathmandu</b></p>
	GCC 27.5	<p>The Supplier shall correct any defects covered by the Warranty within: 30 days of being notified by the Purchaser of the occurrence of such defects</p>



## Section VIII. Contract Forms

**Nepal Electricity Authority**  
**Generation Directorate**  
**Medium Generation Operation and Maintenance Department**  
**Sundarijal Hydropower Station**  
**Sundarijal, Kathmandu**  
*[on letterhead paper of the Employer]*

**Letter of Intent**

..... **date.** .....

**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.*

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 ..... **dated**.....  
for execution of the ..... **name of the contract and identification number, as given in the Contract Data/SCC** to you as your bid price ..... **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]**



# Nepal Electricity Authority

Generation Directorate

Medium Generation Operation and Maintenance Department

Sundarijal Hydropower Station

Sundarijal, Kathmandu

[on letterhead paper of the Employer]

## Letter of Acceptance

..... *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 contract this office to sign the formal contract agreement within 15 days. As per the Conditions of Contract, you are also required to submit Performance Security, as specified in SCC, consisting of a Bank Guarantee in the format included in Section VIII (Contract Forms) of the Bidding Document.

The NEA,..... shall forfeit the bid security, in case you fail to furnish the Performance Security and to sign the contract within specified period.

Authorized Signature: .....

Name and Title of Signatory:



## Agreement Form

THIS AGREEMENT made on the *[insert number]* day of *[insert month]*, *[insert year]*, between *[insert complete name of Purchaser]* of *[insert complete address of Purchaser]* (hereinafter “the Purchaser”), of the one part, and *[insert complete name of Supplier]* of *[insert complete address of Supplier]* (hereinafter “the Supplier”), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and Related Services, viz., *[insert brief description of the Goods and Related Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Related Services in the sum of NRs .....*[insert amount of contract price in words and figures including taxes]* (hereinafter “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Purchaser’s Notification to the Supplier of Award of Contract;
  - (b) the Bid Submission Form and the Price Schedules submitted by the Supplier;
  - (c) the Special Conditions of Contract;
  - (d) the General Conditions of Contract;
  - (e) the Schedule of Requirements;
  - (f) the Technical Specifications;
  - (g) *[indicate other documents the Purchaser wants to add in the particular procurement]*

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Related Services 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.

**On behalf of the Supplier**

Name :

Signature:

Designation:

Seal:

**On behalf of the Purchaser**

Name:

Signature:

Designation:

Seal:

## Performance Security

Date:

To:

Contract No:

**Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station  
Sundarijal, Kathmandu  
Tel.:01-4801394**

WHEREAS *[insert complete name of Supplier]* (hereinafter “the Supplier”) has received the notification of award for the execution of *[insert identification number and name of contract]*(hereinafter “the Contract”).

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Supplier shall furnish you with a security *[insert type of security]* issued by a reputable guarantor for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS the undersigned *[insert complete name of Guarantor]*, legally domiciled in *[insert complete address of Guarantor]*, (hereinafter the “Guarantor”), have agreed to give the Supplier a security:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[insert currency and amount of guarantee in words and figures]* and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract, without cavil or argument, any sum or sums within the limits of *[insert currency and amount of guarantee in words and figures]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This security is valid until the *[insert day, month, year]*.

Name: *[insert complete name of person signing the Security]*

In the capacity of: *[insert legal capacity of person signing the Security]*

Signed: *[insert signature of person whose name and capacity are shown above]*

Duly authorized to sign the security for and on behalf of: *[insert seal and complete name of Guarantor]*

Date: *[insert date of signing]*

## Advance Payment Security

[Insert complete name and number of Contract]

To:

**Nepal Electricity Authority**  
**Generation Directorate**  
**Medium Generation Operation and Maintenance Department**  
**Sundarijal Hydropower Station**  
**Sundarijal, Kathmandu**  
**Tel.:01-4801394**

In accordance with the payment provision included in the Contract, in relation to advance payments, [insert complete name of Supplier] (hereinafter called “the Supplier”) shall deposit with the Purchaser a security consisting of [indicate type of security], to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of [insert currency and amount of guarantee in words and figures].

We, the undersigned [insert complete name of Guarantor], legally domiciled in [insert full address of Guarantor] (hereinafter “the Guarantor”), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding [insert currency and amount of guarantee in words and figures].

This security shall remain valid and in full effect from the date of the advance payment being received by the Supplier under the Contract until [(insert day, month, year) Contract completion date may be a basis for this date].

Name: [insert complete name of person signing the Security]

In the capacity of: [insert legal capacity of person signing the Security]

Signed: [insert signature of person whose name and capacity are shown above]

Duly authorized to sign the security for and on behalf of: [insert seal and complete name of Guarantor]

Date: [insert date of signing]

NEPAL ELECTRICITY AUTHORITY  
(A Government of Nepal Undertaking)  
**Generation Directorate**



**NEPAL ELECTRICITY AUTHORITY**  
**नेपाल विद्युत प्राधिकरण**

**Medium Generation Operation and Maintenance Department**  
**SUNDARIJAL HYDRO POWER STATION**  
**Sundarijal, Kathmandu.**



**NATIONAL COMPETITIVE BIDDING (NCB)**  
**(Single-Stage: Two Envelope Bidding Procedure)**  
IFB NO.: **NEA-SJHPS-2081/082-EM/ST-03**

**BID DOCUMENT**

**FOR**

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND RETROFITTING**  
**OF SPARE PARTS FOR GOVERNOR OIL PRESSURE UNIT OF**  
**SUNDARIJAL HYDROPOWER STATION**

First Date Of Notice Publication: **2081-10-30**

Last Date and Time Of Bid Submission: **2081-12-03 Before 12:00 Hrs.**

Date & Time Of Technical Bid Opening: **2081-12-03 At 13:00 Hrs.**

**VOLUME II OF II (PRICE BID)**

**FY: 2081/082**

Issued on: .....

Name & Address of the Bidder: .....

**BIDDING DOCUMENT**

**PRICE BID**

**National Competitive Bidding (NCB)**

**Single Stage two Envelope Bidding**

**“SUPPLY, DELIVERY, INSTALLATION, TESTING AND  
RETROFITTING OF SPARE PARTS FOR GOVERNOR OIL PRESSURE  
UNIT OF SUNDARIJAL HYDROPOWER STATION”**

**Issued on:** -----

**Bid Document issued to:**-----

**Contract Identification No:** NEA-SJHPS-2081/082-EM/ST-03

**Office Name:** Nepal Electricity Authority  
Generation Directorate  
Medium Generation Operation and Maintenance Department  
Sundarijal Hydropower Station

**Office Address:** Sundarijal, Kathmandu  
Tel.: 01-4801394

**Site:** Sundarijal Hydropower Station, Sundarijal, Kathmandu

**Financing Agency:** Nepal Electricity Authority or Government of Nepal



## 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: .....

Invitation for Bid No.: .....

To:

**Nepal Electricity Authority**  
**Generation Directorate**  
**Medium Generation Operation and Maintenance Department**  
**Sundarijal Hydropower Station**  
**Sundarijal, Kathmandu**  
**Tel. 01-4801394**

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 9;
- (b) We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule specified in the **Section V (Schedule of Requirements)**, the following Goods and Related Services: .....*[insert a brief description of the goods and related services]*.....
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is:  
 .....*[Incase of only one lot/package, insert the total Bid Price in words and figures]*.....;  
 .....*[Incase of multiple lots/packages, insert the total price of each lot/package]*.....
- (d) The discounts offered and the methodology for their application are:  
 The discounts offered are:.....*[specify in detail each discount offered]*.....  
 The exact method of calculations to determine the net price after application of discounts is shown below:*[specify in detail the method that shall be used to apply the discounts]*;
- (e) Our bid shall be valid for a period of .....*[insert validity period as specified in ITB 20.1]*.....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 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;
- (h) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive;
- (i) 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.

(j) We confirm and stand by our commitments and other declarations made in connection with the submission of our Letter of Technical Bid.

Name: .....

In the capacity of.....

Signed .....

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

Date.....

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## PART 1 PREAMBLE

### 1.1 General

The scope of work includes:

- a. As mentioned in *Section-V Works Requirements of Technical Bid*

In addition, the following Supplies and Works shall be included in price schedule:

- a. Clearance and resettlement of the Site.

Insurance during transit, construction, transportation, storage, erection, testing and commissioning of all the equipment and accessories shall be included in the scope. Provision of commissioning, spares required during testing and commissioning are also included in the scope.

- b. This Price Schedule shall be read in conjunction with the Conditions of Contract, the Particular Technical Specifications and General Technical Specifications and the Drawings, performance, quality and strength of materials and the workmanship, conditions, obligations and liabilities generally which shall be complied with in carrying out the Contract. This Price Schedule shall also be read in conjunction with the Instructions to Bidders, the Bid Forms, the Performance guarantee and Technical data Sheets and any Addenda which may be issued before the submission of the Bid. The Price Schedule shall be completed by the Bidder with all details as requested. Failure to do so may render the Bidder non responsive.
- c. All prices in the Price Schedules shall be for work complete in every respect and shall therefore include, but not be limited to, all labour, materials, Plant, Equipment, supervision, shop inspection, training to the Employers' personals, insurances, all incidental charges and expenses whatsoever, taxes and duties as applicable overheads and profit for the completion of works in a satisfactory manner.
- d. In the event of any omission of item of work in the agreement or General and Particular Technical Specifications or in Conditions of Contract, such items as needed to complete and commission the project shall be deemed to be included in the **Price Schedules** as the contract is a lump sum fixed price contract.
- e. The equipment(s) shall be supplied complete in all respects i.e. with all fittings /accessories, apparatus and parts that are necessary for their usual efficient operation. Such parts shall be deemed to be included in the Price schedule whether specifically mentioned or not.
- f. The Instruction to Bidder, Conditions of Contract, General and Particular Technical Specifications, Performance and Technical Particular or data sheets are supplementary to each other and essential for complete interpretation of the requirements of the Employer.
- g. The contractor shall provide additional spare parts for operation of the plant which are essential for future operation whether specifically mentioned or not in the price schedule and the cost shall be deemed to be included in the **Price Schedules** as the contract is a lump sum fixed price contract. Spare parts are listed in the corresponding Price Schedules (Schedule – B).
- h. Only the listed spare parts in the Schedule – B will be considered for evaluation purpose.
- i. The Contractor shall comply with all laws in force in Nepal, where the Facilities are installed and where the installation services are carried out. The laws will include all national, districts, municipal, province and local level laws or other laws that affect the performance of the Contract and bind upon the Contractor. The Contractor shall indemnify and hold harmless the Employer from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or its personnel, including the Sub- Contractors and their personnel.
- j. The Contractor shall acquire in its name all permits, approvals and/or licenses from all local, or national government authorities or public service undertakings in the country where the Site

is located that are necessary for the performance of the Contract, including, without limitation, boarding, lodging and visas for the Contractor's personnel and entry permits for all imported Contractor's equipment.

- k. The Contractor shall make his own arrangements for office facilities, storages, watching, lighting, power requirement, telecommunication, water supply etc.
- l. The Contractor shall arrange all consumables such as welding rods, cutting gas, gaskets, cleaning fluids, oils, lubricants, fasteners etc., required for on-site assembly, erection, trial operation, testing, commissioning and till handing over the Facilities to the Employer.
- m. The Contractor shall be responsible for arranging tickets, visas, permits, foreign exchange etc., for the erection personnel of the Contractors for their site visits and Employer shall bear no responsibility in this regard except for issuance of recommendatory letter(s) for arranging the visas. The Contractor shall be responsible for paying taxes, if any; including income tax and surcharge on income tax and all costs shall be included in the Contractors' scope.
- n. The Contractor shall arrange and supply all labour, materials, equipment, tools for assembly, inspection and tests, erection, commissioning, spare parts and accessories; equipment; construction utilities (including power) and supplies; temporary materials, structures and facilities; transportation (including, without limitation, unloading and hauling to, from and at the site); and storage (including any temporary) land required for the same. These services would be provided up to the date of issuing the taking over certificate.
- o. The Contractor shall arrange all the tools & plants, tackles, meters and instruments required for onsite assembly, erection, trial operation, test run and Operation and Maintenance. The tools and plants will be taken back home by the Contractor in "as is where is" condition, after completion of the work.
- p. The Prices entered by the Bidder against optional items, where clearly indicated as such in the Price Lists, will not be added to the Bidder Price.

## 1.2 Costs for Employer's Expenses for Witnessing Tests in the Contractor's Workshop (FAT)

The extent of the services and materials to be provided under this item related to testing and inspection is defined in the Technical Specification.

## 1.3 Abbreviations

The following abbreviations are used in the Schedule of Quantities, Rates and Prices:

Abbrev.	Unit / Meaning	Abbrev.	Unit / Meaning	Abbrev.	Unit / Meaning
A	Ampere	kW	kilowatt	month	month
cm	centimetre	l	litre	N	Newton
°C	degree Celsius	man.month	man-month	NRs	Nepali Rupee
dia	diameter	m	(linear) metre	No	number
∅	diameter	mm	millimetre	Ω	Ohm
g	gram	m <sup>2</sup>	square metre	Pa	Pascal
h	hour	m <sup>3</sup>	cubic metre	%	per cent
ha	hectare	mm <sup>2</sup>	square millimetre	prov sum	Provisional Sum
Hz	Hertz	mA	milliampere	s	second
J	Joule	min	minute	sum	Lump Sum

K	Kelvin
kg	kilogram
km	kilometre
kN	Kilo Newton
kV	kilovolt

MN	Mega Newton
mA	milliampere
MPa	Megapascal
MV	Megavolt
MW	Megawatt

t	(metric) tonne
USD	United States Dollar
V	Volt
W	Watt

---

**PART 2 PRICE LISTS**

# Price Schedules



Price Schedules for Goods and Services

Name of Bidder:-.....

Tender No:- NEA-SJHPS-2081/082-EM/ST-03

Tender Name:-Supply, Delivery, Installation, Testing and Retrofitting of Spare Parts for Governor Oil Pressure Unit of Sundarijal Hydropower Station

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
<b>A</b>	<b>Main Items Supply Portion</b>					
1	Oil Level Indicator (Arcylic Body with in built float, Max. Operating Temperature-80 deg. C, Length-100mm, Height-130mm, Width-25mm) with M10 Fixing Screws	2	Set			
2	Breather Filter with Cilica gel (Unit Size- Approx. 20.5 cm, Unit Dia. Approx. 10.16 cm, Filtration Area-Min. 72 Sq. cm, Amount of Silica Gel-Approx. 680 gram, Absolute Filtration -3μ, Temperature Range-50-100 deg. C, Connection Size-1" NTP)	2				
3	Electric Clog Indicator (Pressure Range-0.5-8 Bar, Test Pressure-10 Bar, Working Temperature- >85 deg. C, Used for Return Line, Micro Switch-Max. 3A, 250V AC, Connection Size Port-1/8" NTP)	1	Set			
4	Temperature Controller (Size: 48x48 mm, 24 VAC/ VDC)	1	Set			
5	Suction Strainer (Reusable stainless Steel wire mesh with Zinc plated top aluminum Nut and End Cap, 100 mesh standard (149micron), Max. Working Temperature: 80deg. C, Suitable for petroleum and mineral based oils, Flow Rate-30L/Min., Dia.-48mm, Length-110mm, Port Size-G3/4", Across Flat-36mm)	6	Set			
6	Temperature Sensor (PT100, 3 Wire, Length-300mm, Temperature Range:-50 to 250 deg. C, Process Connection-Threaded, Probe Material- Aluminum, Material Grade-SS316)	1	Set			



SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
7	Heater with Thermostat (Rating: 2.5kW, 230V, Single Phase, 50 Hz)	1	Set			
8	Vertical Magnetic Float Switch	1	Set			
9	Return Line Filter (Working pressure-20 Bar, Test Pressure-30 Bar, Burst Pressure-40 Bar, Max. Temperature-80 deg. C, Connection Size Port-1" BSPP, Filtration: 25µ NOM)	1	Set			
10	Temperature Gauge (SS304 cylindrical case with bayonet ring and SS316 stem and connection, Dial Size-100mm, Temperature Range:0-100deg. C, Process Connection-G1/2, Stem Length-300mm)	1	Set			
11	Right Angle Check Valve (Sub Plate Mounting, Cracking Pressure-0.04Mpa) with Spares Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			
12	Gear Pump (Geometric Displacement-5.3 cubic cm / Rev., Inlet/Outlet Port-1/2" BSP) with Suitable Electric Motor and accessories (including Spares Mounting Bolts-1 Set, Bell Housing-2 Sets, Flexible Drive Coupling-2 Sets and Shaft seal-2 Sets)	1	Set			
13	Remote Control Relief Valve (Max. Operating Pressure-160 Kgf/sq. cm, Max. Flow-20LPM, Pressure adjusting Range-35-140Kgf/sq. cm) with Spares Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
15	Pressure Gauge (SS304, Polished Case, SS316/PB bourdon Tube, Brass Connection, Aluminum Pointer, Dial Size-100mm, Case Filling-Glycerin, Pressure Range-0-200Kgf/sq. cm, Process Connection-G3/8)	1	Set			
16	Pressure Line Filter with Filter Element (Inline Duplex Type Filter, Max. Working Prerssure-160 Bar, Flow Capacity-80LPM, Nominal Size-0008)	1	Set			
17	IN-LINE Check Valve (Rated Flow-30LPM, Max. Operating Pressure-210Kgf/sq. cm, Cracking Pressure-0.35 Kgf/sq. cm)	1	Set			
18	Minimess Coupling (Connection Size-G1/4, Max. Working Pressure-630 Bar)	1	Set			
19	Needle Valve (Seat Type Valve, Operating Pressure-350 Bar, Viscosity Range-10-380 cSt, Temperature Range:-20 to +80 deg. C, End Connection-G1/4)	1	Set			
20	Pressure Transmitter (Please refer Technical Specification Item No. 20)	1	Set			
21	Electronic Pressure Switch (Please refer Technical Specification Item No. 21)	1	Set			
22	Ball Valve Threaded (Stainless Steel, Size-1", Pressure Range-upto 1000 Bar, End Connection-Threaded)	2	Set			
23	Shut Off Valve (Size:DN-19, Operating Pressure- upto 350 Bar) with Spare Fixing Screws-1 Set	1	Set			

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)SN
				In Figure	In Words	
a	b	c	d	e		f=cxe
24	Piston Type Accumulator with 1 set spare Piston seals (Please refer Technical Specification Item No. 20)	1	Set			
25	Shut Off Valve (Size:DN-6, Operating Pressure- upto 315 Bar) with Spare Fixing Screws-1 Set	1	Set			
26	Solenoid Operated 2-Position Directional Valve (Max. Flow-63L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, No spring Detented) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			
27	Proportional Electro-Hydraulic Directional and Flow Control Valve with Spare Seal Kit-1 Set	1	Set			
28	Pilot Operated Check Modular Valve (Max. Flow-35L/Min., Max. Operating Pressure 250 Kgf/sq. cm, Cracking Pressure-4 Kgf/sq. cm) with Spare Seal Kit-1 Set	1	Set			
29	Solenoid Operated 3-Position Directional Valve (Max. Flow-63L/Min, Max. Operating Pressure-315 Kgf/sq. cm, No. of Port-4, Spool Type-4, Spring Centered) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			
30	Throttle and Check Modular Valve for A Line (Type-Flow Control Valve, Meter-In Throttle, Max. Flow-35 L/Min., Max. Operating Pressure-250 Kgf/sq. cm) with Spare Seal Kit-1 Set	1	Set			
31	Throttle and Check Modular Valve for A.B-Line (Type-Flow Control Valve, Meter-Out Throttle, Max. Flow-35L/Min., Max. Operating Pressure-250 Kgf/sq. cm) Meter-In Throttle) with Spare Seal Kit-1 Set	1	Set			

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
32	Reducing Modular Valve (Max. Operating Pressure-250 Kgf/sq. cm, Max. flow-35 L/Min., Pressure Adjusting Range-3 to 40 Kgf/Sq. cm) with Spare Seal Kit-1 Set	1	Set			
33	Throttle and Check Modular Valve for A Line (Type-Flow Control Valve, Meter-Out Throttle, Max. Flow-35L/Min., Max. Operating Pressure-250 Kgf/sq. cm) Meter-In Throttle in A Line) with Spare Seal Kit-1 Set	1	Set			
34	Solenoid Operated 2-Position Directional Valve (Max. Flow-63L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, Spring Offset) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			
35	Throttle and check Modular Valve for B Line (Flow Control Valve, Max. Flow-70 L/Min., Max. Operating Pressure-250Kgf/sq.cm, Meter-Out Throttle, Differential Pressure Range-5-50 Kgf/Sq. cm) with Spare Seal Kit-1 set	1	Set			
36	Solenoid Operated 2-Position Directional Valve (Max. Flow-120L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Spool Type-2, Spring Offset) with Spare Mounting Bolts-1 Set and Seal Kit-1 Set	1	Set			
37	Poppet Type Solenoid Operated Directional Valve (Max. Flow-16 L/Min., Max. Operating Pressure-315 Kgf/sq. cm, No. of Port-3, Sub Plate Mounting Type) with Spare Mounting Screws-1 Set and Seal Kit-1 Set	1	Set			

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
38	Directional and Flow Control Logic Valve (Max. Flow-130L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Cracking Pressure-2 Kgf/sq. cm) with Spare Seal Kit-1 Set	1	Set			
39	Directional and Flow Control Logic Valve with stroke adjuster (Max. Flow-130L/Min., Max. Operating Pressure-315 Kgf/sq. cm, Cracking Pressure-2 Kgf/sq. cm) with Spare Seal Kit-1 Set	1	Set			
40	Unloading Relief Valve (Max. Flow-125 L/min., Max. Operating Pressure-210Kgf/sq. cm, Cut-Out Pressure Adjusting Range 70-210 Kgf/sq. cm, Sub-Plate Mounting Type) Spare Seal Kit-1 Set	1	Set			
41	Pilot Control Check Valve (Max. Flow-125 L/min., Max. Operating Pressure-250Kgf/sq. cm, Cracking Pressure-5 Kgf/sq. cm, Sub-Plate Mounting Type, External Drain Connection) Spare Mounting Bolt-1 Set and Seal Kit-1 Set	1	Set			
42	Ball Valve Threaded (Stainless Steel, Size-1/2", Pressure Range-up to 1000 Bar, End Connection-Threaded)	2	Set			
43	Pilot Operated Check Valves (Max. Flow-35 L/Min., Max. Operating Pressure-250Kgf/sq. cm, Cracking Pressure-4Kgf/sq. cm) with Spare Seal Kit-1 Set	1	Set			
44	Universal Charging and testing unit for Nitrogen (N <sub>2</sub> ) gas Piston Type Accumulator (Pressure Range (Gauge Indication): 0-250 Bar, Hose Pipe: for 200 Bar Nitrogen Bottle with connection W24.32 x 1/14 (DIN 477, Part 1), >600 Bar Pressure of Length Min. 2.5 m, Adaptor for Nitrogen Bottle: W24.32 x 1/14, Adaptor for Hydraulic Accumulator: 7/8-14 UNF)	1	Set			

SN	Particulars	Qty.	Unit	Unit Rate in NRs.		Total Price (in NRs.)
				In Figure	In Words	
a	b	c	d	e		f=cxe
45	Filter Element (Nominal Size-0008, One Side open O-Ring Sealing, Filtration Grade-10 µm, Differential Pressure of Element-30 Bar, Element Adhesive-100 deg. C, Size: Length- Approx. 157mm, Diameter OD-45mm approx., ID-24mm approx.)	8	Set			
46	Throttle and Check Valve (Operating pressure-315 Bar, Maximum flow handling capacity-60 L/Min., End Connection-G1/2)	1	Set			
<b>B</b>	<b>Service Portion</b>					
1	Installation of (Accumulator, Gear Pump with Motor, Heater with Thermostat), Testing and Retrofitting of all supplied goods as per site requirement.	1	Lot			
<b>Total:</b>						
<b>VAT @ 13 %:</b>						
<b>Grand Total:</b>						

In Words: .....

Company:

Signature:

Seal:

Title:

Date:







# 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

Total of Procurement Items	
<b>Total Item Price</b>	
<b>VAT</b>	
<b>Grand Total</b>	