

# STANDARD BIDDING DOCUMENT

## Procurement of Small Works

རྫོང་ཁག་བདག་སྐྱོང་ ཕྱི་རང་།



**Name of work: RENOVATION OF PRINCIPAL'S QUARTER, MP HALL AND CONSTRUCTION OF FOOTPATH AT BARSHONG PRIMARY SCHOOL.**

**Tender Sale: From 22.10.2018 To 20.11.2018**

	<b>Date &amp; Time</b>	<b>Place</b>
<b>Bid Submission</b>	20.11.18, Before 10.00 AM	DZONGKHAG PROCUREMENT OFFICE.
<b>Bid Opening</b>	20.11.18, at 10.30 AM	DZONGKHAG CONFERENCE HALL.



ROYAL GOVERNMENT OF BHUTAN  
DZONGKHAG ADMINISTRATION  
DZONGKHAG ENGINEERING SECTOR  
TSIRANG  
"Towards Quality Infrastructure"



TD/DES-10/2018-2019/ ///

Date: 16.10.2018

Invitation for Bids (IFB)

The Dzongkhag Administration, Tsirang now invites sealed bids from eligible and qualified bidders for execution of following works;

Sl.No.	Name of work	Estimated cost (Nu. in million)	Contractor Category	Contract Duration
1	Renovation of Principal's Quarter, MP Hall and construction of footpath at Barshong Primary School.	1.033	W3 Small	5 months
2	Renovation of Cottage and Conversion of Old Generator House into Staff Quarter at Damphu Central School.	3.071	W3 Small	8 months.
3	Maintenance & Blacktopping of Approach Road at Damphu Central School	5.093	W1 medium	6 months

1. Bidding will be conducted through the National Competitive bidding procedures specified in the Royal Government of Bhutan Procurement Rules and Regulations and is open to all bidders (National only) as eligible as per Bidding Documents.
2. Interested eligible bidders may obtain further information from the Dzongkhag Engineer, Tsirang, Ph# 17600019, and inspect the Bidding Documents at the office of the Procurement Officer, Tsirang Dzongkhag during office hours.
3. A margin of preference for eligible national contractors/joint ventures/consortia/associations may be applied.
4. A complete set of bidding documents in English may be downloaded from the Dzongkhag website [www.tsirang.gov.bt](http://www.tsirang.gov.bt) w.e.f 22.10.2018 till 20.11.2018.
5. Bids must be delivered to the office of the Procurement Officer, Tsirang Dzongkhag on or before 10.00 AM on 20.11.2018. Electronic bidding "shall not" be permitted. Late bids will be rejected. Bids will be opened physically in the presence of the bidder's representatives who choose to attend in person at Dzongkhag Conference Hall on 20.11.2018 at 10.30 AM.
6. All Bids shall be accompanied by a Bid Security of Nu.20,000.00 (Nu. Twenty thousand) only for Sl. No. 1, Nu.60,000.00(Nu.Sixty Thousand)only for Sl.No.2 and Nu.100,000.00(Nu.One Lakh)only for Sl.No.3 drawn in favour of Dasho Dzongdag, Tsirang Dzongkhag respectively. Bid security shall be furnished as per the prescribed format specified in the bidding document and should be valid for 30 days beyond bid validity.

(Pema)  
DZONGDAG.

Copy to:

1. Dzongrab, Dzongkhag Administration, Tsirang for information.
2. The DEO, Dzongkhag Administration, Tsirang for information.
3. Procurement Officer, Dzongkhag Administration, Tsirang for information.
4. Accounts Officer, Dzongkhag Administration, Tsirang for information.
5. E-tool focal person & ICT Section for uploading the work in Tsirang Dzongkhag & CDB website.

## **Preface**

This Standard Bidding Document for the Procurement of small works up to Nu. 4 million has been prepared by the Public Procurement Policy Division (PPPD) Ministry of Finance to be used for the Procurement of small works through National Competitive Bidding (NCB) in projects that are financed in whole or in part by the Royal Government of Bhutan (RGoB). It should be used in conjunction with the Procurement Rules and Regulations.

Those wishing to submit comments or questions on this Bidding Document or to obtain additional information on procurement under RGoB-financed projects may contact:

Public Procurement Policy Division (PPPD)  
Ministry of Finance  
Royal Government of Bhutan  
[pppd@mof.gov.bt](mailto:pppd@mof.gov.bt)

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# Section 1: Instructions to Bidder (ITB)

## A. General

1. Scope of Tender
  - 1.1 The Employer, as **indicated in the BDS** issues this Bidding Document for the procurement of Works as specified in Section 6 (Employer's requirement): The name, identification and identification of this bidding are **provided in the BDS**.
  - 1.2 The successful Bidder will be required to complete the Works within the Time for Completion stated in the Special Conditions of Contract (SCC).
  - 1.3 Throughout this Bidding Documents;
    - (a) The term "in writing means communicated in written form with proof of receipt;
    - (b) If the context so requires, singular means plural and vice versa; and
    - (c) "day" means calendar day.
  
2. Corrupt Fraudulent Collusive or Coercive Practices
  - 2.1 The Royal Government of Bhutan requires that Employers and the Bidders shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.
  - 2.2 In pursuance of this requirement, the Employer shall
    - (a) exclude the bidder from participation in the procurement proceeding concerned or reject a proposal for award; and
    - (b) declare a bidder ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public funds;
  - 2.3 If it, at any time, determines that the bidder has engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract under the public funds.
  - 2.4 The Government defines, for the purposes of this provision, the terms set forth below as follows :
    - a) "**corrupt practice**"<sup>1</sup> is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
    - b) "**fraudulent practice**"<sup>2</sup> is any intentional act or omission including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefits or to avoid an obligation;
    - c) "**collusive practice**"<sup>3</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence

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<sup>1</sup> 'Another party' refers to a public official acting in relation to the procurement process or contract execution.

<sup>2</sup> A 'party' refers to a public official; the term '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>3</sup> 'parties' refers to participations in the procurement process including public officials attempting to establish bid prices at artificial, non competitive levels.

improperly the actions of another party;

d) **“coercive practice”**<sup>4</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.

2.5 The bidder shall be aware of the provisions on fraud and corruption stated in GCC Clause 3 and GCC Sub-Clause 34.2(d).

2.6 The RGoB requires that the Employer’s personnel have an equal obligation not to solicit, ask for and/or use coercive methods to obtain personal benefits in connection with the said proceedings.

3. Eligible Bidders
- 3.1 Bidders of the categories **specified in the BDS** are eligible to participate in this bidding process.
- 3.2 The Employer shall invite Bids using the Open Tendering Method (National Competitive Bidding) or limited tender as applicable.
- 3.3 The bidder shall meet the qualification requirement stated in the BDS
4. Site Visit
- 4.1 The Bidders, at their 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 performance of the Works. The costs of visiting the Site shall be at the bidder’s own expense.

## B. Content of Bidding Document

5. Contents of Bidding Documents
- 5.1 The sections comprising the Bidding Document are listed below and should be read in conjunction with any Amendment issued in accordance with ITB Clause 7:

### PART 1 Bidding Procedures

- Section 1: Instructions to Bidders (ITB)
- Section 2: Bidding Data Sheet (BDS)
- Section 3: Evaluation and Qualification Criteria
- Section 4: Bidding forms
- Section 5: General Conditions of Contract (GCC)
- Section 6: Special Conditions of Contract (SCC)
- Section 7: Contract Forms
- Section 8: Bill of Quantities & Specifications
- Section 9: Drawings

5.2 The Employer is not responsible for the completeness of the Bidding Document and their Addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.

5.3 The Bidder is expected to examine all instructions, forms terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

6. Clarification of Bidding Documents
- 6.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer’s address **indicated in the BDS**.
7. Amendment of Bidding Documents
- 7.1 At any time prior to the deadline for submission of Bid, the Employer may amend the Bidding Document by issuing addenda and extend the deadline for the submission of bids at its discretion. Any amendment issued shall

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<sup>4</sup> A ‘party’ refers to a participant in the procurement in the procurement process or contract execution.

become an integral part of the Bidding Document and shall be communicated in writing to all those who have purchased the Bidding Document.

### **C. Preparation of Bids**

8. One Bid per Bidder 8.1 A Bidder shall submit only one (1) Bid. A Bidder who submits or participates in more than one (1) Bid shall cause all the proposals with the Bidder's participation to be disqualified.
9. Bid Preparation Costs 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bids, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.
10. Language of Bid 10.1 All documents relating to the Bid shall be in the language specified in the BDS.
11. Documents comprising the Bid 11.1 The original and copy(ies) of Bid submitted by the Bidder shall comprise the following:
- (a) The Bid form (in the format indicated in Section IV – Forms of Bid, Qualification Information, Letter of Acceptance, and Contract);
  - (b) License and certificate
  - (c) Bid Security in accordance with Clause 19;
  - (d) Priced Bill of Quantities;
  - (e) and any other materials required to be completed and submitted by Bidders, as specified in the BDS.
- 11.2 The Instruction to Bidders, Bidding Data Sheet, General Conditions of Contract, Special Conditions of Contract, Specifications and drawings are for the information of the bidders and is not required to be submitted by the bidder,
- 12 Letter of Bid and Schedule 12.1 The letter of Bid, Schedules, and all documents listed under Clause 11, shall be prepared using the relevant forms in Section 4 (Bidding Forms), if so provided in BDS. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
13. Alternative Bid 13.1 Alternative Bid shall not be considered in small works.
14. Bid Price and Discount 14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Schedules shall confirm to the requirements specified below;
- 14.2 The bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section 4, Bidding Forms. In case of admeasurements contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
- 14.3 The Bid price shall take into account the cost of materials, transportation, labour, taxes, levies, overheads and profit and any other cost. The Bid

price shall be fixed for the duration of performance of the Contract and shall not be subject to any adjustment on any account. The Bid price shall be applicable for the whole works described in the Drawings, Specifications and Schedule of Works.

- |    |  |      |   |
|----|--|------|---|
| 15 | Currencies of Bid and Payment                          | 15.1 | All prices shall be quoted in Bhutanese Ngultrum (BTN) and shall be paid in BTN.  |
| 16 | Documents comprising the Technical Proposal            | 16.1 | The bidder shall furnish a work plan in simple bar chart and other information if provided in BDS, to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.  |
| 17 | Documents establishing the Qualification of the Bidder | 17.1 | To establish its qualification to perform the Contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding information sheets included in Section 4 (Bidding Forms)  |
| 18 | Bid Validity   | 18.1 | Bids shall remain valid for the period <b>specified in the BDS</b> . Any Bids which does not meet the validity requirement as per the BDS shall be rejected by the Employer as non-responsive.  |
| 19 | Bid Security   | 19.1 | The Bidder shall at their option furnish, as part of the Bid, a Bid Security as <b>specified in the BDS</b> issued by any reputed Financial Institutions in Bhutan and shall be valid thirty (30) days beyond the Bid validity period. <ul style="list-style-type: none"><li>a) Unconditional Bank Guarantee;</li><li>b) A demand Draft; or</li><li>c) Cash Warrant</li></ul>   |
|    |  | 19.2 | In exceptional circumstances, prior to the expiration of the Bid validity period, the Employer may solicit the Bidder's consent to an extension of the Bid validity period. The request and responses shall be made in writing. The validity of Bid Security shall be suitably extended promptly.   |
|    |  | 19.3 | The Bid Security may be forfeited: <ul style="list-style-type: none"><li>(a) if the Bidder withdraws the Bid after Bid opening during the period of Bid validity. Further the bidder may be excluded from future participation for a period of two years.</li><li>(b) if the Bidder does not accept the correction of the Bid price, pursuant to clause 31; or</li><li>(c) in the case of a successful Bidder, if the Bidder fails within the specified time limit to sign the Agreement; or furnish the required Performance Security.</li></ul> |
| 20 | Format and Signing of Bid                              | 20.1 | The Bidder shall prepare one (1) original of the documents comprising the Bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." In addition, the Bidder shall prepare the number of copies of the Bid, as specified in the BDS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.   |
|    |  | 20.2 | The original and each copy of the Bid shall be typed or written in indelible ink and shall be signed by the person duly authorized to sign on behalf of the Bidder.   |
|    |  | 20.3 | Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person(s) signing the Bid.  |

## D. Submission and Opening of Bids

- 21 Sealing and Marking of Bids
- 21.1 The Bidder shall enclose the original in one (1) envelope and all the copies of the bid in another envelope, duly marking the envelopes as "ORIGINAL" and "COPY." These two (2) envelopes shall then be enclosed in one (1) single outer envelope.
- 21.2 The inner envelopes shall:
- (a) Be signed across the seals by the person authorised to sign the Bid on behalf of the Bidder;
  - (b) Be marked "ORIGINAL" and "COPY" and
  - (c) Bear the name and address of the Bidder.
- 21.3 The outer envelope shall;
- (a) Be sealed with adhesive or other sealant to prevent reopening;
- 21.4 be addressed to the Employer at the address specified in the BDS; bear a statement "DO NOT OPEN BEFORE....." the time and date for Bid opening as specified in the BDS.
- 21.5 If all or any envelopes are not sealed and marked as required by ITB Sub-Clause 21, the Employer **shall not reject the bids but assume no responsibility for the misplacement or premature opening of the Bid.**
- 22 Bid Submission Deadline
- 22.1 Bids must be received by the Employer at the address and no later than the date and time **specified in the BDS.**
- 22.2 Bids may be hand delivered, posted by registered mail or sent by courier.
- 22.2 The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB Clause 7, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the new deadline as extended.
- 23 Late Bids
- 23.1 Late bids shall not be considered and shall be returned unopened
- 24 Modification, Substitution or Withdrawal of Bids
- 24.1 A Bidder may modify, substitute or withdraw their Bids after it has been submitted by sending a written notice before the deadline for submission of Bids.
- 25 Bid Opening
- 25.1 The Employer shall open the Bids in the presence of the bidders who is attending the bid opening, including modifications or substitutions made pursuant to ITB Clause 24. Bidders or their representatives shall be allowed to attend and witness the bid opening and shall sign a register evidencing their attendance.
- 25.2 The name of the Bidder, Bid modifications, substitutions or withdrawals, total amount of each Bid, number of corrections, discounts, and the presence or absence of requisite Bid Security, and such other details as the Employer, at its discretion, may consider appropriate, shall be read out aloud and recorded.
- 25.3 The Employer shall prepare minutes of the Bid opening. The minutes shall include, as a minimum, the name of the Bidders and whether there has been a withdrawal, substitution or modification; the Bid Price including any discounts and the presence or absence of a Bid Security, if one was required.

- 25.4 Bids not opened and read out at the Bid opening shall not be considered, irrespective of the circumstances, and shall be returned unopened to the Bidder

## **E. Tender Opening and Evaluation**

- 26 Confidentiality 26.1 After the opening of Bids, information relating to the examination, clarification, and evaluation of Bids and recommendations for award shall not be disclosed to Bidders or other persons not officially concerned with the evaluation process until after the award of the Contract is announced.
- 27 Clarification 27.1 The Employer may ask Bidders for clarification of their Bids in order to facilitate the examination and evaluation of Bids. The request for clarification and the response shall be in writing, and any changes in the prices or substance of the Bid shall not be sought, offered or permitted, except to confirm the correction of arithmetical errors discovered by the Employer in the evaluation of the Bids, in accordance with ITB Clause 31.
- 28 Bidder:  
Contacting the  
Employer 28.1 Following the opening of Bids and until the Contract is signed no Bidder shall make any unsolicited communication to the Employer or try in any way to influence the Employer's examination and evaluation of Bids which may result in the rejection of bids. If any Bidder wishes to contact the Employer on any matter related to the Bidding process, it should do so in writing
- 29 Determination  
of  
Responsiveness 29.1 Prior to detailed evaluation of bids, the employer shall determine whether each bid (a) meets the eligibility criteria defined in ITB clause 3; (b) has been properly signed; (c) is accompanied by the bid security; and (d) is substantially responsive to the requirements of the bidding documents.
- 29.2 A substantially responsive Bid is one that conforms in all respects to the requirements of the Bidding Document without material deviation, reservation or omission. A material deviation, reservation or omission is one that:
- (a) affects in any substantial way the scope, quality, or performance of the Works specified in the Contract; or
  - (b) limits in any substantial way, or is inconsistent with the Bid Document, the Employer's rights or the Bidder's obligations under the Contract; or
  - (c) if rectified would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.
- 29.3 If a Bid is not substantially responsive to the Bidding Document it shall be rejected by the Employer and shall not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.
- 29.4 There shall be no requirement as to the minimum number of responsive Bids.
- 30 Non  
Conformities, 30.1 The Employer may regard a Bid as responsive even if it contains minor deviations that do not materially alter or depart from the characteristics,

Errors and Omissions		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.
31 Evaluation and Comparison of Tenders	31.1	The Employer shall evaluate and compare only those Bids determined to be substantially responsive to the requirements of the Bidding Document. Substantially responsive Bids are those which fulfil the requirements of ITB Clauses 11 and 12.
	31.2	The evaluation will take into account corrected Bid Price and discounts (if any).
	31.3	The Employer will check substantially responsive Bids for any arithmetical errors. Where there is a discrepancy between the amounts in figures and words, the amount in words will govern. If a Bidder refuses to accept the correction, its Bids shall be rejected. The Employer shall correct arithmetical errors on the following basis: <ul style="list-style-type: none"> <li>(a) if there is a discrepancy between the unit price and the line item total, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price, as quoted, shall govern and the unit price shall be corrected; and</li> </ul>
32. Employer's Right to Accept or Reject any or all	32.1	The Employer reserves the right to accept any Bid, to annul the Bid proceedings, or to reject any or all Bids, at any time prior to Contract award, without thereby incurring any liability to Bidders, or any obligation to inform Bidders of the grounds for the Employer's actions.

## F. Contract Award

33. Award Criteria	33.1	The Employer shall award the Contract to the Bidders whose offer is substantially responsive to the Bidding Document and that has been determined to be the lowest evaluated Bid, provided that the Bidder is determined to be qualified to perform the Contract satisfactorily
34. Letter of Intent to Award the Contract/ Notification of Award	34.1	The Employer shall notify the concerned Bidder whose bid has been selected in accordance with ITB 33.1 in writing (in the format in Section 4-hereafter called the "Letter of Intent to Award") that the Employer has intention to accept its bid and the information regarding the name, address and amount of selected bidder shall be given to all other bidders who submitted the bid. Such notification should be communicated in writing, including by cable, facsimile, telex or electronic mail to all the bidders on the same day of dispatch. The Employer shall ensure that the same information is uploaded on their website on the same day of dispatch.
	34.2	If no bidder submits an application pursuant to ITB 35 within a period of ten (10) days of the notice provided under ITB 34.1, Prior to the expiration of the period of Bid validity, the Employer shall notify the successful Bidder, in writing that its Bid has been accepted. Until a formal contract is prepared and executed, the Notification of Award shall constitute a binding Contract.
	34.3	Within fifteen (15) working days of the receipt of the Notification of Award from the Employer, the successful Bidder shall furnish the Performance Security, in the amount specified in the BDS.
	34.4	The proceeds of the performance security shall be payable to the Employer unconditionally upon first written demand as compensation for any loss resulting from the Contractor's failure to complete its obligations under the

### Contract

- 34.5 Within fifteen (15) working days of receipt of the notification of award, the successful Bidder shall sign, date and return it to the Employer.

### 35.Complaints

- 35.1 The Bidder shall submit the complaint in writing within ten (10) days from the date of letter of intent to award the contract pursuant to ITB 34.1 to the Employer.
- 35.2 The Bidder may appeal to the Independent Review Body only if the Employer has not delivered the decision within the specified time, or the complainant is not satisfied with the decision of the Employer in accordance with rules and procedures of Independent Review Body.

## Section 2 - Bidding Data Sheet

*Instructions for completing the Bidding Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses*

<b>ITB Clause</b>	<b>Amendment of, and Supplements to, Clauses in the Instructions to Bidders</b>
<b>A. General</b>	
ITB 1.1	The Employer is <b>[Dzongda, Dzongkhag Administration Tsirang]</b>
	The Name and Identification of the Contract is/are <b>[Renovation of Principal's Quarter, MP Hall and Const. of Footpath at Barshong PS.]</b>
	The Works are <b>[Fixing ceiling, windows shutters, drainage, painting, electrification, PCC Footpath etc ]</b>
ITB 3.2	<i>[Choose option A or B, whichever is applicable, and delete the other option].</i> <b>Option A: Open Tender</b> All Bidders regardless of whether enlisted or not enlisted with the Dzongkhag may submit Bids provided they otherwise qualify.
ITB 3.3	The evaluation shall be based on the lowest price of the responsive bidder and the work will awarded to the lowest responsive bidder. <i>[Generally the selection is based on the lowest price. If there is a specific project need basic minimum technical qualification requirement should specified here]</i>
<b>B. Bidding Documents</b>	
ITB 7.1	For <b>clarification of Tenders purposes</b> only, the Employer's address is: Attention: <b>Dzongkhag Engineer</b> Address: <b>Dzongkhag Administration, Tsirang</b> Telephone: <b>06-471202</b> Facsimile number: <b>06-471202</b>
<b>C. Preparation of Bids</b>	
ITB 15.1	The Bid validity period shall be [60] days. <i>[normally be minimum of 60 days for Works of such a simple nature]</i>
ITB 15.2	A Bid Security in the amount of <b>Nu. 20,000.00</b> , will be required, in the form; a) Unconditional Bank guarantee b) Cash warrant; or c) Demand draft
ITB 16.1	A simple bar chart is <i>required or not required [delete which is not appropriate]</i>

ITB 19.1	In addition to the original, [ <i>one</i> ] copies shall be submitted.
<b>D. Submission and Opening of Bids</b>	
ITB 17.2	The inner and outer envelopes shall bear the following additional identification marks: <i>[Do not open before 10:30 am on 20.11.2018]</i>
ITB 17.2	For <b><u>Bid submission purposes</u></b> only, the Employer's address is: Attention: <b>Dzongda</b> Address: <b>Dzongkhag Administration, Tsirang</b> The deadline for the submission of Tenders is: <b>Time 10:00 AM, date;20.11.2018.</b>
ITB 21.1	The Bid opening shall take place on the same day as the closing day of the bid submission at: <i>[Dzongkhag Procurement Office]</i> Date: <b>20.11.2018</b> ; Time: <b>10:30 AM.</b>
<b>F. Award of Contract</b>	
ITB 34.2	The amount of Performance Security shall be [ <b>10%</b> ] percent of the Contract Price.
ITB 34.3	The lowest evaluated bidder whose bid is considered abnormally low or unbalanced, following prescribed evaluation procedures, the bids shall be required to provide differential security in the form of " <b>cash warrant</b> " in addition to performance security. The cash warrant shall be valid for at least 6 months, and thereafter can be converted into bank guarantee. The payment has to be made within 15 working days after receipt of the letter of acceptance by the bidder.  The additional security amount to be provided by the bidders, in the form of cash warrant shall be the difference between departmentally estimated amount and the amount quoted by the successful bidder less 20% of the departmentally estimated amount i.e

## Section 3 – Evaluation and Qualification Criteria

This section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders if the bidding was not preceded by a prequalification exercise and post qualifications are applied. Procuring Agency may apply basic minimum technical qualification requirement (manpower and equipments) only if there is a project specific need.

### 1. Evaluation

1.1 Evaluation shall be done to determine the responsiveness and the award shall be made to the lowest evaluated bidder.

## **Section 4: Forms of Bid & Qualification Information**

### **Table of Standard Forms**

Standard Form: Form of Bid

Standard Form: Letter of Intent

Standard Form: Letter of Acceptance

Standard Form: Bid security Bank Guarantee

# Standard Form: Form of bid

*Notes on Form of Bid:*

*The Bidder shall fill in and submit this bid form with the Bid. If Bidders do not fill in the Contract Price and does not sign this Bid form, the bids will be rejected..*

\_\_\_\_\_ [date]

To \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

We offer to execute the contract for construction of “\_\_\_\_\_” in accordance with the Conditions of Contract accompanying this Bid for the Contract Price of \_\_\_\_\_ [amount in figures] ( \_\_\_\_\_ ) [amount in words] \_\_\_\_\_ [name of currency].

The contract shall be paid in Ngultrums (Nu.)

This Bid and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity and Bid Security required by the bidding documents and specified in the Bidding Data.

Authorized Signature: \_\_\_\_\_

**(Affix Legal Stamp)**

Name and Title of Signatory: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

# Standard Form: Qualification Information

*Notes on Form of Qualification Information: The following information is to be filled in by bidders which will be used for purposes of evaluation*

**1. Individual bidders**

1.1 Constitution of legal status of Bidder [attach copy]

Place of registration: \_\_\_\_\_

Principal place of business: \_\_\_\_\_

Power of attorney of signatory of Bid [attach]

1.2 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Refer BDS. The supporting documents such detailed CVs signed in original supported by certificates for qualification and experience.

Position	Name	Qualification & year of experience (general)	Year of experience in proposed position	Remarks
Site Supervisor				

# Standard Form: Letter of Intent

*(Letterhead paper of the Employer)*

## **Notes on standard form of letter of Intent**

*This issuance of Letter of Intent (always before letter of acceptance) 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 the outcome of the procurement process*

*The Employer shall allow 10 days as described in ITB 34.2 between this letter of intent and letter of acceptance to allow aggrieved bidders to challenge your decision if they feel they have treated unfairly.*

*(Insert date)*

To:-----[Name and address of the Contractor]

This is to notify you that, it is our intention to award the contract for your Bid dated-----  
[Insert date] for execution of the-----  
-----[Insert name of the contract and identification number, as given in the BDS/SCC] for the  
Contract Price of-----  
-----[Insert amount in figure and words and name of currency] as corrected and modified[if any  
corrections] in accordance with the Instructions to Bidders.

Authorized Signature: -----

Name and Title of Signatory:-----

Name of Agency:-----

CC:

[Insert name and address of all other bidders who submitted the bid]

## Standard Form: Letter of Acceptance

[letterhead paper of the Employer]

*Notes on Standard Form of Letter of Acceptance*

*The Letter of Acceptance will be the basis for formation of the Contract as described in Clauses 31 and 32 of the Instructions to Bidders. This Standard Form of Letter of Acceptance should be filled in and sent to the successful Bidder only after evaluation of bids has been completed.*

[date] \_\_\_\_\_

To: \_\_\_\_\_

[name of the Contractor]

\_\_\_\_\_  
[address of the Contractor]

This is to notify that your Bid dated \_\_\_\_\_ for the execution of the contract for the construction of “\_\_\_\_\_ - \_\_\_\_\_” for the Contract Price \_\_\_\_\_ [amount in numbers] \_\_\_\_\_ [amount in words] \_\_\_\_\_ [name of currency], as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency. The start date of the project is \_\_\_\_\_. The completion date for whole of the works shall be \_\_\_\_\_.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

Authorized Signature:

\_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Agency:

\_\_\_\_\_

Attachment: Agreement

# Bank Guarantee for Bid Security

*[this is the format for the Bid Security to be issued by a financial institutions in Bhutan in accordance with ITB Clause 19]*

Invitation for Bid No:

Date:

Bid Package No:

To:

[Name and address of Employer]

## TENDER GUARANTEE No:

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

Furthermore, we understand that, according to your conditions Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu *[insert amount in figures and words]* upon receipt by us of your first written demand accompanied by a written statement that the Bidder is in breach of its obligation(s) under the Bid conditions, because the Bidder:

- (a) has withdrawn its Bids during the period of Bid validity specified by the Bidder in the Form of Bid; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders ITB; or
- (c) having been notified of the acceptance of the Bid by the Employer during the period of Bid validity,
  - (i) fails or refuses to furnish the performance security in accordance with the ITT, or
  - (ii) fails or refuses to execute the Contract Form,

This guarantee will expire

- (a) if the Bidder is the successful Bidder, upon our receipt of a copy of the Performance Security and a copy of the Contract signed by the Bidder as issued by you; or
- (b) if the Bidder is not the successful Bidder, thirty days after the expiration of the Bidder's Tender validity period, being *[date of expiration of the Tender]*.

Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## Section 5. General Conditions of Contract

1. Definitions
  - 1.1 The following words and expressions shall have the meaning hereby assigned to them. Boldface type is used to identify the defined terms:
    - (a) **Completion Certificate** means the Certificate issued by the Employer as evidence that the Contractor has executed the Works in all respects as per drawing, specifications, and Conditions of Contract.
    - (b) The **Completion Date** is the date of completion of the Works as certified by the Engineer, in accordance with GCC Clause 18.
    - (c) **Contract** means the Agreement entered into between the Employer and the Contractor to execute, complete and maintain the Works.
    - (d) **Contractor** means the person or corporate body whose Tender to carry out the Works has been accepted by the Employer and is named as such in the SCC.
    - (e) **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract. The **Contractor's Bid** is the completed Bid Document including the priced offer submitted by the Contractor to the Employer.
    - (f) **Days** mean calendar days.
    - (g) A **Defect** is any part of the Works not completed in accordance with the Contract.
    - (h) The **Employer** is the party named in the SCC who employs the Contractor to carry out the Works.
    - (i) The **Engineer** is the person named in the SCC, who is responsible for supervising the execution of the works and administering the Contract.
    - (j) The **Intended Completion Date** is the date specified in the SCC on which the Contractor shall complete the Works and may be revised if extension of time or an acceleration order is issued by the Engineer.
    - (k) The **Site** is the area defined as such in the SCC.
    - (l) The **Works** are what the Contract requires the Contractor to construct, install, and hand over to the Employer, as defined in the SCC.
2. Interpretation & Documents forming the Contract
  - 2.1 In interpreting the GCC, singular also means plural, male also means female or neuter, and the other way around. Headings in the GCC shall not be deemed part thereof or be taken into consideration in the interpretation or construance of the Contract. Words have their normal meaning under the language of the Contract unless specifically defined.
  - 2.2 The following documents forming the Contract shall be interpreted in the following order of priority:
    - (a) the signed Contract Agreement.
    - (b) the letter of Notification of Award.
    - (c) the completed Bid form as submitted by the Bidder.
    - (d) the Special Conditions of Contract.
    - (e) the General Conditions of Contract.

- (f) Specifications
- (g) the Drawings.
- (h) any other document listed in the PCC as forming part of the Contract.

3. Corrupt, Fraudulent, Collusive or Coercive Practices

3.1 The Government requires that Employers, as well as Contractors shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.

3.2 In pursuance of this requirement, the Employer shall

- (a) exclude the Contractor from participation in the procurement proceedings concerned or reject a proposal for award; and
- (b) declare a Contractor ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public fund;

3.3 The Government defines, for the purposes of this provision, the terms set forth below as follows:

- (a) corrupt practice<sup>5</sup> is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value<sup>6</sup> to influence improperly the actions of another party;
- (b) "fraudulent practice"<sup>7</sup> is any intentional 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;
- (c) "collusive practice"<sup>8</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party; and
- (d) "coercive practice"<sup>9</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.

3.4 The Government requires that the Client's personnel have an equal obligation not to solicit, ask for and/or use coercive methods to obtain personal benefits in connection with the said proceedings.

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<sup>5</sup> "another party" refers to a public official acting in relation to the procurement process or contract execution. In this context, "public official" includes staff and employees of any organizations (including any institutions providing finance for the Works) taking or reviewing procurement decisions.

<sup>6</sup> "anything of value" includes, but is not limited to, any gift, loan, fee, commission, valuable security or other asset or interest in an asset; any office, employment or contract; any payment, discharge or liquidation of any loan, obligation or other liability whatsoever, whether in whole or in part; any other services, favour or advantage, including protection from any penalty or disability incurred or apprehended or from any action or proceeding of a disciplinary or penal nature, whether or not already instituted and including the exercise or the forbearance from the exercise of any right or any official power or duty.

<sup>7</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>8</sup> "parties" refers to participants in the procurement process (including public officials) and an "improper purpose" includes attempting to establish bid prices at artificial, non competitive levels.

<sup>9</sup> a "party" refers to a participant in the procurement process or contract execution.

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|--|---|
| 4. Governing Language and Law                          | 4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Contractor and the Employer, shall be written in English unless otherwise stated in the SCC. The Contract shall be governed by and interpreted in accordance with the laws of the Kingdom of Bhutan.   |
| 5. Engineer's Decision                                 | 5.1 Except where otherwise specifically stated in the SCC, the Engineer will decide Contractual matters between the Employer and the Contractor in the role as representative of the Employer.  |
| 6. Delegation  | 6.1 The Engineer may delegate any of his duties and responsibilities to his representative, after notifying the Contractor, and may cancel any delegation, without retroactivity, after notifying the Contractor.   |
| 7. Communications and Notices                          | 7.1 Communications between Parties pursuant to the Contract shall be in writing to the address specified in the SCC. A notice shall be effective when delivered or on the notice's effective date, whichever is later.  |
| 8. Sub- Contracting                                    | 8.1 The Contractor shall not be permitted to subcontract any part of the Works in whole or in part.   |
| 9. Contractor's Personnel                              | 9.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, to carry out the functions stated in the Schedule, or other personnel approved by the Engineer.  |
| 10. Welfare of Labourers & Child Labour                | <p>10.1 The Contractor shall provide proper accommodation to his labourers and arrange proper water supply, conservancy and sanitation arrangements at the site in accordance with relevant regulations, rules and orders of the government.</p> <p>10.2 The Contractor shall comply with the applicable minimum age, labour laws and requirements of (including applicable treaties which have been ratified by) the Government of Bhutan regarding hazardous forms of child labour.</p>   |
| 11. Safety, Security and Protection of the Environment | <p>11.1 The Contractor shall throughout the execution and completion of the Works and the remedying of any defects therein :</p> <p>(a) have full regard for the safety of all persons entitled to be upon the Site and keep the Site and the Works in an orderly state;</p> <p>(b) provide and maintain at the Contractors own cost all lights, guards, fencing, warning signs and watching for the protection of the Works or for the safety on-site; and</p> <p>(c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of the Contractors methods of operation.</p> |
| 12. Access to the Site                                 | 12.1 The Contractor shall allow the Engineer and any person authorised by the Engineer access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.  |
| 13. Documents, Information.                            | 13.1 The Contractor shall furnish to the Engineer all information, schedules, calculations and supporting documentation that may be requested of it.  |
| 14. Property   | 14.1 If the contract is terminated by the Employer because of the contractors default, then, the contractor shall not be allowed to remove any materials on the Site, Plant, and Temporary Works until the matter is amicably resolved.   |

15. Insurance	15.1	The Contractor shall provide insurance as stated in the SCC
	15.2	The Contractor shall deliver policies and certificates of insurance to the Engineer, for the Engineer's approval, before the Start Date.
	15.3	If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
16. Possession of the Site	16.1	The Employer shall give possession of the Site, or parts of the Site, to the Contractor on the date(s) specified in the SCC.
17. Commencement of Works	17.1	The Contractor may commence execution of the Works on the Start Date, or other such date as specified in the SCC, and shall carry out the Works in an expeditious manner.
	17.2	If the Contractor fails to commence the works within the above stated period, the Employer may, at his sole discretion, terminate the Contract and forfeit the Performance Security, if any.
18. Completion of Works	18.1	The Contractor shall complete the Works within the number of days stated in the SCC from the date of commencing the Works on the Site.
19. Programme of Works	19.1	Within the time stated in the SCC, the Contractor shall submit to the Engineer for approval a work program. The Contractor shall submit to the Engineer for approval an updated Programme at intervals no longer than the period stated in the SCC.
20. Early Warning	20.1	The Contractor shall warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work result in increase to the Contract Price or delay in the execution of the Works.
21. Compensation Events	21.1	The following shall be Compensation Events: <ul style="list-style-type: none"> <li>(a) the Employer does not give access to the Site or part of the Site by the Site Possession Date stated in the SCC; and</li> <li>(b) if the payment is delayed pursuant to Clause 25.1.</li> </ul>
	21.2	If a Compensation Event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date shall be extended, as appropriate, by the Engineer.
22. Non-Scheduled Items of Works	22.1	The Contractor shall be paid for non-scheduled items of works only when the Engineer approves such works and at the rates and in the manner stated in the SCC.
23. Schedule of Works	23.1	The Schedule of Works will contain rates for all items for the construction including temporary works, installation, testing, and commissioning work to be done by the Contractor.
	23.2	The Contractor shall be paid for the quantity of the work done at the rate in the Contract Agreement for each item.
	23.3	The Contractor shall be entirely responsible for all taxes, duties, license fees, and other such levies imposed outside and inside Bhutan.
24. Payment Certificates	24.1	The Contractor shall submit to the Engineer monthly statements of the estimated value of the work executed less the cumulative amount certified previously. The Engineer shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.

- 24.2 The value of work executed shall be determined by the Engineer.
- 24.3 The value of work executed shall comprise the value of the quantities of the items in the Schedule of Works completed.
- 24.4 The value of work executed shall include the valuation of Variations, Certified Dayworks and Compensation Events.
- 24.5 The Engineer may exclude any item certified in previous certificates or reduce the proportion of any item previously certified in any certificate in the light of later information.
25. Payments and Currency
- 25.1 The Employer shall pay the Contractor the amounts certified by the Engineer within thirty (30) days of the date of each certificate.
- 25.2 The Employer shall make Advance Payment (mobilization and secured advance) to the Contractor of the amounts and by the dates stated in the SCC against provision by the Contractor of an unconditional Bank Guarantee, (Form 4).
- 25.3 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilisation expenses required specifically for the execution of the Contract. The Contractor shall demonstrate that the advance payment has been used in this way by submitting copies of invoices or other documents to the Employer.
- 25.4 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, variations, claims or any amount payable due to failure to complete the works.
26. Retention
- 26.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the SCC until the completion of the whole of the Works.
- 26.2 On completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor, the remaining half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
27. Liquidated Damages
- 27.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the SCC for each day that the Completion Date is later than the Intended Completion date for the works or for any part thereof.
28. Performance Security
- 28.1 Upon Notification of Award, a Performance Security shall be provided to the Employer in the amount and form stated in the Contract Forms (Form 3). The Performance Security shall be valid until a date thirty (30) days from the date of issue of the Certificate of Completion.
29. Price Adjustment
- 29.1 The rates and prices in the bill of quantities are fixed for the duration of the Contract and not subject to price adjustment during the performance of the Contract.
30. Completion
- 30.1 The Contractor shall request the Engineer to issue a Certificate of Completion of the Works, and the Engineer will do so upon deciding that the work is substantially completed.

31. Correction of Defects
- 31.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the SCC. The Defects Liability Period shall be extended for as long as the Defects remain to be corrected.
- 31.2 If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.
32. Taking Over
- 32.1 The Employer shall take over the Site and the Works within seven (7) days of the Engineer issuing a Certificate of Completion.
33. Final Account
- 33.1 The Contractor shall supply the Engineer a detailed account of the total amount that the Contractor considers payable under the Contract. The Engineer shall certify any final payment that is due to the Contractor within twenty-one (21) days of receiving the Contractor's account if it is correct and complete.
- 33.2 The Employer shall effect payment of the final account within thirty (30) days from the date of certification by the Engineer.
34. Termination
- 34.1 The Employer or the Contractor by giving thirty (30) days written notice of default to the other party, may terminate the Contract in whole or in part if the other party causes a fundamental breach of Contract.
- 34.2 Fundamental breaches of the Contract shall include, but shall not be limited to, the following:
- (a) the Contractor stops work for more than thirty (30) days when no stoppage of work is shown on the current Programme and the stoppage has not been authorised by the Engineer;
  - (b) the Engineer gives notice that failure to correct a particular defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
  - (c) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of Liquidated Damages can be paid;
  - (d) the Contractor, in the judgment of the Employer, has engaged in corrupt or fraudulent practices, as defined in GCC Clause 3, in competing for or in executing the Contract; and
  - (e) a payment certified by the Engineer is not paid to the Contractor by the Employer within sixty (60) days of the date of the Engineer's certificate.
- 34.3 The Employer and the Contractor may at any time terminate the Contract by giving notice to the other party if either of the parties becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to any party provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue to the other party.
- 34.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.
- 34.5 If the Contract is terminated, the Contractor is to stop work immediately, make the Site safe and secure and hand over the Site

to the Employer as soon as reasonably possible.

35. Payment upon Termination
- 35.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done and Plant and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the SCC.. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.
- 35.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Contractor shall be entitled to payments for completed works and the materials that have been brought to the site for the purpose of the works, but not used as certified by the Engineer after adjusting any payments received by the Contractor.
36. Release from Performance
- 36.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible, after receiving this certificate. The Contractor shall be paid for all works carried out before stoppage of work and any work carried out afterwards to which a commitment was made.
37. Force Majeure
- 37.1 For the purposes of this Contract, "Force Majeure" means an exceptional event or circumstance:
- (a) which is beyond a Party's control,
  - (b) which such Party could not reasonably have provided against before entering into the Contract,
  - (c) which, having arisen, such Party could not reasonably have avoided or overcome, and
  - (d) which is not substantially attributable to the other Party.
- 37.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:
- (a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
  - (b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
  - (c) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,
  - (d) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
  - (e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.
- 37.3 However, force majeure shall not include the following;
- i. rainfall

ii. snowfall

iii. strikes in other countries

iv. non-availability of labourer and materials such as timbers, boulders, sand, and other materials

v. difficulty and risky terrain and remoteness of site.

38. Settlement of Disputes
- 38.1 The Employer and the Contractor shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
- 38.2 Any dispute between the parties to the Contract that may not be settled amicably will be referred to Arbitration at the initiative of either of the parties.
- 38.3 The Arbitration shall be conducted in accordance with the Arbitration Rules of the Kingdom of Bhutan in force.

## Section 6. Special Conditions of Contract

*Instructions for completing the Special Conditions of Contract are provided, as needed, in the notes in italics mentioned for the relevant GCC Clauses.3*

Clause Ref	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
<b>GCC 1.1(d)</b>	The Contractor is <i>[name, address and name of authorised representative]</i> .
<b>GCC 1.1(i)</b>	The Employer is:- <b>Dzongda, Dzongkhag Administration, Tsirang</b>
<b>GCC 1.1(j)</b>	The Engineer is <i>[Tshering Moktan-mob-77419206]</i> .
<b>GCC 1.1(k)</b>	The Intended Completion Date for the whole of the Works shall be <i>[5 months]</i> .
<b>GCC 1.1(l)</b>	The Site is located at <i>[Barshong Primary School]</i> .
<b>GCC 1.1(m)</b>	The Works are <i>[Renovation of Principal's Qtr., M Hall and const. of Footpath]</i>
<b>GCC 2.2(i)</b>	The additional documents forming part of this Contract are: <i>[if there are no additional documents state "No additional documents".]</i>
<b>GCC 4.1</b>	The Language governing the Contract shall be <i>[English.]</i> <i>[usually English language].</i>
<b>GCC 5.1</b>	The Engineer shall obtain specific approval of the Employer before taking any of the following actions: <ul style="list-style-type: none"> <li>• Additional work</li> <li>• Change in design &amp; specification</li> <li>• Site location</li> </ul>
<b>GCC 7.1</b>	The addresses for Communications shall be: <b>For the Employer: Dzongda, Dzongkhag Administration, Tsirang</b> <i>[insert name, address and contact details]</i> <b>For the Contractor:</b> <i>[insert name, address and contact details].</i>
<b>GCC 9.1</b>	The Key Personnel of the Contractor are: <i>[site supervisor]</i>
<b>GCC 15.1</b>	For insurance purposes, the type of cover required shall be: The contractor shall be responsible for the insurance <i>[modify as appropriate]</i>
<b>GCC 16.1</b>	Possession of the site shall be within [10] days from the date of signing of the Contract.
<b>GCC 17.1</b>	Commencement of work shall be within <b>15 days</b> . However, the actual start date of contract duration shall be indicated in the 'Letter of Acceptance'
<b>GCC 18.1</b>	Completion of works shall be within Completion of works from the date of commencing the works on the site shall be within the date as indicated in the 'Letter of Acceptance'

<b>GCC 19.1 &amp; 19.2</b>	The Contractor shall submit the first work plan <del>[27] days after signing the Contract,</del> and shall update the workplan every [8] weeks during the period of the Contract.
<b>GCC 22.1</b>	<i>[ Enter here the agreed rates for non-scheduled items of work if known, if not known then make the statement "The rates for non-scheduled items of works shall be determined by the Engineer".</i>
<b>GCC 25.2</b>	An advance payment of [10] % of the Contract Price will be made to the Contractor within (14) days of Contract signing date.
<b>GCC 26.1</b>	The Retention shall be [10] % of the Contract Price.
<b>GCC 27.1</b>	<p>The liquidated damages for the whole of the Works are [0.05 %] per day.</p> <p>The maximum amount of liquidated damages for the whole of the Works is [10 %] percent of the initial Contract Price.</p> <p><i>[usually, liquidated damages are set between 0.05 percent to 0.10 percent per day and the total amount is not to exceed 10 percent of the Contract Price.]</i></p>
<b>GCC 31.1</b>	The Defects Liability Period shall be [ 12 ] <i>(twelve months)</i> .
<b>GCC 35.1</b>	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is <i>[percent, it is generally 20% of the value of work not completed up to a maximum of 10% of the initial contract price]</i>
<b>GCC 36.1</b>	<p>The lowest evaluated bidder whose bid is considered abnormally low or unbalanced, following prescribed evaluation procedures, the bids shall be required to provide differential security in the form of "<b>cash warrant</b>" in addition to performance security. The cash warrant shall be valid for at least 6 months, and thereafter can be converted into bank guarantee. The payment has to be made within 15 working days after receipt of the letter of acceptance by the bidder.</p> <p><b>The additional security amount to be provided by the bidders, in the form of cash warrant shall be the difference between departmentally estimated amount and the amount quoted by the successful bidder.</b></p>

## Section 7 – Contract Forms

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

### **Contract Forms**

Form	Title
Form -1	Notification of Award
Form -2	Contract Agreement
Form -3	Bank Guarantee for Performance Security
Form -4	Bank Guarantee for Advance Payment

## **Notification of Award**

Contract No:

Date:

To:

*[name and address of Contractor]*

This is to notify you that your Bid dated *[insert date]* for the execution of the Works for *[name of project / Contract]* for the Contract Price of Nu *[amount in figures and in words]*, as corrected and modified in accordance with the Instructions to bidder is hereby accepted by *[name of the Employer]*.

You are requested to proceed with the execution of the Works on the basis that this Notification of Award shall constitute the formation of a Contract, which shall become binding upon you furnishing a Performance Security within fourteen (14) days, in accordance with ITB Clause 32, and the signing the Contract Agreement within twenty-one (21) days, in accordance with ITB Clause 33.

We attach the Contract Agreement and Special Conditions of Contract for your perusal and signature.

Signed

Duly authorised to sign for and on behalf of  
*[name of Procuring Entity]*

Date:

## Contract Agreement

THIS AGREEMENT, made the [day] of [month] [year] between [name and address of Employer] (hereinafter called "the Employer") of the one part and [name and address of Contractor] (hereinafter called "the Contractor") of the other part.

WHEREAS, the Employer invited Tenders for certain Works, viz, [brief description of the Works] and has accepted a Tender by the Contractor for the execution of those works in the sum of Ngultrum [insert amount in figures and words], hereinafter called "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 General Conditions of Contract hereinafter referred to.
2. The documents forming the Contract shall be interpreted in the following order of priority:
  - (a) The signed Contract Agreement;
  - (b) The letter of Acceptance;
  - (c) The completed Bid form as submitted by the Bidder;
  - (d) The Special Conditions of Contract;
  - (e) The General Conditions of Contract;
  - (f) Specifications
  - (g) The Drawings; and
  - (h) Any other document listed in the SCC as forming part of the Contract..
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

**IN WITNESS whereof the Parties thereto have caused this Agreement to be executed in accordance with the laws of Bhutan on the day month and year first before written.**

For the Employer

For the Contractor

Signature

Print Name

Title

In the presence of  
(Name)

Address

## Bank Guarantee for Performance Security

*[this is the format for the Performance Security to be issued by any financial institute in Bhutan in accordance with ITB Clause 35]*

Contract No:

Date:

To:

[Name and address of Employer]

### PERFORMANCE GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called "the Contractor") has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called "the Contract"), the execution of works *[description of works]* under the Contract.

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

At the request of the Contractor, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## Bank Guarantee for mobilisation advance

*[this is the format for the Advance Payment Guarantee to be issued by a financial institutions in Bhutan in their letter pad in accordance with SCC Clause 25.2]*

Contract No:

Date:

To:

[Name and address of Employer]

### ADVANCE PAYMENT GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called "the Contractor") has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called "the Contract"), the execution of works *[description of works]* under the Contract.

Furthermore, we understand that, according to your conditions, Advance Payments must be supported by a bank guarantee.

At the request of the Contractor, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu. *[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

We further agree that no change, addition or other modification of the terms of the Contract to be performed, or of any of the Contract documents which may be made between the Employer and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## Section 8 Bill of Quantities (BoQ)

Title BOQ(A).Civil

Name of Work : Construction of Footpath & Renovation of MP Hall at Barshong Primary School.

Sl. #	Ref Code	Description of items	Qty.	Unit	Rate		Amount (Nu.)
					Figure	Words	
1	EW0105	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50 m lead & 1.5m lift: Ordinary Soil	6	cu.m			
2	SM0072	Providing and laying Hand packed stone filling or soling with stones	4.5	cu.m			
3	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.: 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	2.3	cu.m			
4	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	8.6	sq.m			
5	DD0045	Dismantling G.I sheets including ridges, hips, valleys, gutters & stacking materials within 50m lead.	22	sq.m			
6	DD0026	Dismantling wood work of sectional area <40 sq.cm in frames, trusses including stacking within 50m lead, purlins.	44	m			
7	DD0025	Dismantling wood work of sectional area 40 sq.cm and above in frames, trusses (<10m span) including stacking within 50m lead	0.2	cu.m			
8	DD0001	Demolishing cement concrete 1:3:6 & richer, including disposal of materials within 50m lead,	0.8	cu.m			

9	DD0067	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish within 50m lead	14	sq.m			
10	DD0040	Dismantling wooden flooring including stacking useful materials & disposal of rubbish within 50m lead	92	sq.m			
11	SM0006	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth, In cement mortar 1:5	1.1	sq.m			
12	SM0072	Providing and laying Hand packed stone filling or soling with stones,	3.5	cu.m			
13	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	1.9	cu.m			
14	FL0050	Pal cement concrete flooring 1:2:4, finished with floating coat of neat cement, 12mm aggregates, 25mm thick	20	sq.m			
15	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	5.7	sq.m			
16	WW0003	Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed: Mixed Conifer	0.7	cu.m			
17	WW0045	Providing & fixing traditional wooden Tshegay for windows\railing etc. as per standard design, In mixed conifer	1.2	sq.m			
18	WW0496	Providing & fixing railing with 90x60mm top & bottom rails, trellis 60x45mm @200mm c/c including 2 coats of paint incl. priming coat etc. all complete,	13	mtr			

19	SW0081	Providing & fixing bolts of various sizes including nuts & washers	3.7	kg			
20	SW0090	Providing, making and fixing M.S. straps, flats, sole plates etc.(60x5mm)@2.34kg/m	11	kg			
21	WW0060	Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc. (excluding steel items): Mixed Conifer	0.6	cu.m			
22	WW0030	Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws, Mixed Conifer	47	mtr.			
23	WW0055	Providing & fixing Mixed Conifer (undressed) in wallframes etc.	1.3	cu.m			
24	WW0132	Providing & fixing Plywood lining with necessary nails etc. including beading complete (excluding cost of frame): 6 mm, commercial	95	sq.m			
25	PT0001	White colour-wash(qty. same as white washing+distempering)	168	sq.m			
26	PT0002	Dry oil bound distemper(qty. same as synthetis paint for door/windowas)	30	sq.m			
27	AA0001	Repair to plaster including cutting to shape, surface preparation, proving and applying cement plaster to the surface, disposal rubbish within 50m lead	3.6	sq.m			
28	PL0075	Providing & laying cement plaster, finished with floating coat of neat cement, 20mm plaster in C.M 1:4	8.1	sq.m			
29	PT0042	Providing and applying finishing coats: Acrylic washable distemper, two coats on new work, including cement primer coat	80	sq.m			
30	PT0021	Providing & applying white or colour washing: White washing with lime, old work, two coats	88	sq.m			
31	PT0013	Providing & applying one coat of primers, Wood work - white primer	124	sq.m			

32	PT0047	Providing and applying finishing coats: Synthetic enamel, for steel & wood work, two coats on new work	124	sq.m			
33	PT0046	Providing and applying finishing coats: Synthetic enamel, for steel & wood work\one coat on old work	30	sq.m			
34	PT0111	Providing, preparing and applying Sumdang washable painting, Ding	3.5	sq.m			
35	RF0001	Providing & fixing Corrugated Galvanised Iron (CGI) sheeting, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses, 24g	22	sq.m			
36	RF0005	Providing & fixing 600mm ridges or hips in plain G.I. including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection,24g		m			
37	RF0150	P&f 1.2mm transparent sheet including 8mm G.I J or L hooks, bitumen & G.I limpet washers etc complete, excluding cost of frame	8.9	sq.m			
38	FL0130	Providing & laying Cement plaster skirting < 300mm height with cement mortar 1:3 with a floating coat of neat cement including rounding off junctions with floor : 20mm	14	sq.m			
39	NA	Providing and making with all the necessary materials the arrangements for natural lighting system(1.5mx.65m) from the roofing, complete.	6	each			
<b>Total (A) =Nu.</b>							

Title [BOQ.](#)

Name of Work : [Renovation of Barshong Principal Quarter.](#)

Sl. #	Ref Code	Description of items	Qty.	Unit	Rate		Amount (Nu.)
					Figure	Words	
1	DD0031	Taking out doors, windows and clerestory windows shutters <3sq.m (steel, wood) including stacking within 50m lead	19.00	each			
2	DD0040	Dismantling wooden flooring including stacking useful materials & disposal of rubbish within 50m lead	34.1	sq.m			
3	DD0045	Dismantling G.I sheets including ridges, hips, valleys, gutters & stacking materials within 50m lead	61.8	sq.m			
4	DD0026	Dismantling wood work of sectional area <40 sq.cm in frames, trusses including stacking within 50m lead	151	m			
5	DD0002	Demolishing cement concrete 1:4:8 & leaner, including disposal of materials within 50m lead	4.32	cu.m			
6	DD0067	Dismantling old plaster or skirting, raking out joints and cleaning the surface for plaster including disposal of rubbish within 50m lead	178	sq.m			
7	BW0199	Providing & laying Concrete Solid Block Masonry (115 mm) in superstructure below floor 2 level, In cement mortar 1:4/half brick partition wall	20.4	sq.m			
8	BW0147	Providing & laying concrete block brick in Foundation & Plinth, In cement mortar 1:5	0.38	cu.m			
9	PL0041	Providing & laying 20mm cement plaster: C.M 1:4	235	sq.m			

10	DR0001	Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth: With cement concrete 1:3:6, 20 mm aggregates, laid over 75mm thick layer of compacted gravel (40mm)	37.5	sq.m			
11	DR0011	Constructing second class brick masonry open surface drain in cement mortar 1:4 including earth work in excavation 100 mm thick concrete bed 1:5:10, 40mm aggregate and 25mm thick cement concrete 1:2:4, 12 mm aggregate for filling haunches including 12mm cement plastering 1:4 with a floating coat of neat cement and disposal of surplus earth etc. complete: 150mm x 200mm depth	61.3	m			
12	RC0015	Providing & laying in position reinforced cement concrete work in suspended floor, roofs having slope upto 15o, landings, balconies, shelves and chajjas upto floor five level excluding the cost of centering, shuttering and reinforcement: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	0.29	cu.m			
13	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	3.22	sq.m			
14	RC0083	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	67	kg			
15	PI0123	Providing & fixing Kitchen Sinks including all connections and fittings: Stainless steel, 940 x 460 x 160 mm, single bowl & drain-board	1	each			

16	PO0372	Providing & fixing P.V.C soil waste and vent pipes, single or double socketed, including pipe clip complete (excluding the cost of PVC fittings)110mm dia.	1	m			
17	PO0380	Providing & fixing P.V.C Pipe connector, 110mm dia.	12	m			
18	PO0417	Providing & fixing P.V.C door bend, 110mm dia.	1	each			
19	PO0407	Providing & fixing P.V.C plain bend 110mm dia.(90/135 degree as per site requirement)	2	each			
20	PO0640	Providing & laying H.D.P.E pipes, 12.5 PN, including H.D.P.E fittings (excluding trenching, refilling & thrust block)	20	m			
21	PO0405	Providing & fixing P.V.C plain bend: 75mm dia	3	each			
22	PO0415	Providing & fixing P.V.C door bend: 75mm dia	2	each			
23	PI0001	Providing & fixing G.I. pipes including G.I. fittings & clamps & repair walls: 15mm	12	m			
24	PI0185	Providing & fixing c.p. brass stop cock: 15mm, standard, c.p knob	2	each			
25	PI0205	Providing & fixing c.p. brass bibcock: 15mm, standard vertical, c.p knob	2	each			
26	FL0052	Pal cement concrete flooring 1: 2:4, finished with floating coat of neat cement: 20mm aggregates, 50mm thick	11.2	sq.m			
27	WW0055	Providing & fixing Mixed Conifer (undressed) in wall-frames etc.	1.3	cu.m			

28	WW0110	Providing & fixing Pre-laminated Particle Board Lining with necessary nails etc. complete (excluding cost of frame): 8 mm	101	sq.m			
29	WW0060	Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc. (excluding steel items): Mixed Conifer	1.37	cu.m			
30	RF0001	Providing & fixing Galvanised Steel Corrugated Roofing sheets, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses: 24g	98.8	sq.m			
31	RF0005	Providing & fixing 600mm ridges or hips in plain Galvanised Steel sheets, including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection: 24g	10.4	m			
32	WW0030	Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws: Mixed Conifer	62.1	m			
33	SW0081	Providing & fixing bolts of various sizes including concrete block, nuts & washers(12mm dia. 0.3m long)	3.2	kgs			
34	SW0090	Providing, making and fixing M.S. straps, flats, sole plates etc.	8.5	kgs			
35	WW0221	Providing & fixing 38mm thick Panelled or glazed doors and windows Shutters etc. complete including hinges: Mixed Conifer	6.34	sq.m			
36	WW0211	Providing & fixing 35mm thick Panelled or glazed doors and windows Shutters etc. complete including hinges; Mixed Conifer	13.3	sq.m			
37	WW0003	Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed: Mixed Conifer	0.54	each			

38	WW0496	Providing & fixing railing with 90x60mm top & bottom rails, trellis 60x45mm @200mm c/c including 2 coats of paint incl. priming coat etc. all complete,	8	mtr			
39	WW0039	Providing, making & fixing woodwork dressed in traditional cornices complete as per standard design in Mixed Conifer, including applying wood preservative on unexposed surfaces, excluding decorative painting (Measurement to be taken along the cornice and wall junction line): Lintel level	1.69	m			
40	WW0710	Providing & fixing Decorative Traditional Timber Carv for zhu	0.38	sq.m			
41	WW0325	Providing & fixing M.S. round or square bars in window frames 12mm plain rod	5.65	kg			
42	*	Providing & fixing, MS tower bolt (barrel type) with necessary screws etc. complete.					
a	WW0536	150mm	8	each			
b	WW0537	100mm	24	each			
43	WW0546	Providing & fixing M.S. sliding door bolt, bright finished, enamelled with necessary screws etc. complete, 250mm	4	each			
44		Providing & fixing MS handle with necessary screws etc. complete .					
a	WW0556	125mm	8	each			

b	WW0557	100mm	24	each			
45	WW0567	Providing & fixing M.S. hook-and-eye with necessary screws etc. complete - 150mm	16	each			
46	PT0111	Providing, preparing and applying Sumdang washable painting, Ding	31.6	sq.m			
47	PT0042	Providing and applying finishing coats: Acrylic washable distemper, two coats on new work, including cement primer coat	125	sq.m			
48	PT0020	Providing & applying white or colour washing: White washing with lime-new work-three coats	92.4	sq.m			
49	EW0106	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50m lead & 1.5m lift: Hard Soil	1.98	cu.m			
50	SM0072	Providing and laying Hand packed stone filling or soling with stones	4.12	cu.m			
51	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.: 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	2.75	cu.m			
52	SM0006	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth: In cement mortar 1:5	1.49	cu.m			
53	EW0197	Providing & laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing	2.61	cu.m			

54	RC0090	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	4.82	sq.m				
55	FL0052	Plain cement concrete flooring 1:2:4, finished with floating coat of neat cement: 20mm aggregates, 50mm thick	14.4	sq.m				
56	FL0130	Providing & laying Cement plaster skirting < 300mm height with cement mortar 1:3 with a floating coat of neat cement including rounding off junctions with floor: 20mm	12.2	sq.m				
57	**	Removing screws from the cgi sheet of the main building roof and refixing it with new screws complete at 8 locations	8	l/s				
58	EW0106	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50m lead & 1.5m lift: Hard Soil	12.6	cu.m				
59	CW0005	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.: 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	2.8	cu.m				
60	SM0005	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth: In cement mortar 1:4	16.2	cu.m				
61	EW0195	Filling of trenches, sides of foundations etc. in layers <200mm using selected excavated earth, ramming etc. within lead 50 m & lift 1.5m	21.9	cu.m				
62	SW0022	Steel work welded, in built up sections, trusses, frame-works including cutting, hoisting, fixing and appl. priming coat of red lead paint: In Tubular sections cover	171	kg				
<b>Total (B) =Nu.</b>								

**BOQ**

Name of work: Renovation of Barshong Primary School Principal Quarter and MPH

Mode of Wiring:- Dismantal and re- wiring of internal wiring.

Sl.#	Code	Description of items	Unit	Qty.	Rate		Amount
					figures	words	
1		Dismantling of electrical wiring including conduits for light, fan, Exhaust fan, call bell, 3 pin 5 ampere plug point, circuit / submain wiring etc and stacking materials within 50m lead including making the surface good					
	DS0001	short point	point	4			
	DS0002	medium point	point	6			
	DS0003	long point	point	2			
	DS0004	Circuit, submain wiring, general wiring	m	2			
2		Supplying and fixing of PVC casing and capping on surface including cup washer, screws, bends, elbows, Tees, corners etc. complete as required					
	CD0046	20x12x1.2mm	m	80			
	CD0047	25x10x1.2mm	m	195			
3		Provide & Draw Single Core 1.1KV grade PVC insulated copper conductor cable in existing PVC casing and capping					
	WP0040	1x1 sq.mm	m	160			

	WP0049	2x1.5 sq.mm	m	235			
	WP0061	2x2.5 sq.mm	m	70			
	WP0066	2x4 sq.mm	m	160			
4		Supplying & fixing of PVC boxes for switch/socket outlet/switch socket combined/ gang switches on surface including base plate and cover plate painting etc as required <b>HPL modular makes</b>					
	BX0020	1 Module	each	2			
	BX0021	2 Module	each	2			
	BX0022	3 Module	each	20			
	BX0024	6Module	each	3			
5		Supplying & fixing of 6A switch on existing PVC/metal/moulded tough surface box with fibre sheet cover (recessed or surface) including necessary cutting, connection testing etc. as required. <b>HPL modular makes</b>					
	SS0120	10A switch modular SP 1-way	each	26			
	SS0121	bell push 10A with indicator	each	1			
	SS0137	TV coaxial sockets	each	1			

6		Supplying & fixing of switch/socket on existing metal box with fibre sheet cover (recessed or surface)/ junction box (PVC/metal) including necessary cutting, connection testing etc. <b>HPL modular makes</b>					
	SS0165	20A switch modular with indicator	each	13			
	SS0166	5/6 pin, 10/20A modular socket outlet, shuttered	each	13			
	SS0167	Ceiling Rose, 2 plate modular (PVC)	each	23			
7		Supplying & fixing on existing PVC/wooden /metal/moulded tough surface box with fibre sheet cover,round block, junction box (recessed or surface) including necessary cutting, connection testing etc. as required. <b>Roma/MK modular makes</b>					
	SS0221	Batten holder (heavy duty, brass plinger)	each	5			
	SS0232	Angle holder (heavy duty, brass plunger)	each	16			
		<b>INDOOR LUMINIARIES (Supply)</b>					
8		supplying and fixinf of LED Tube light/LED bulb 240 volt A.C					
	LS0131	18W	each	13			
	LS0027	9W (BC/ES)	each	20			
9		Supplying of prewired call bell 250 volt A.C with base, terminal block and all accessories complete					
	IL0246	Buzzer bell assembly	each	1			

		<b>FANS (Supply)</b>					
10		Supplying of ceiling mounting fan 230 volt A.C 3000rpm for low height with all accessories such as mounting accessories kit, guarantee card, grills for protection complete as required <b>Havells Make</b>					
	ARFN0032	300 mm sweep	each	7			
		<b>CONTROL GEAR &amp; BUSBAR (Supply)</b>					
		<b>Miniature Circuit Breaker (MCB)</b>					
11		Supply of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required <b>HPL makes</b>					
	GB0270	6A SP MCB	each	5			
	GB0272	16A SP MCB	each	15			
12		Supply of miniature circuit breaker (MCB) double pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required; <b>HPL makes</b>					
	GB0315	32A	each	1			
	GB0316	40A	each	1			
		<b>Residual Current Circuit Breaker (RCCB)</b>					

13		Supply of residual current circuit breaker (RCCB) double pole, sensitivity 30mA, 230 volt A.C complete with all accessories suitable to to fix on a din-bar etc. as required; <b>HPL makes</b>					
	GB0427	32A	each	1			
	GB0428	40A	each	1			
		<b>Distribution Board (DB)</b>					
14		Supply of SPN distribution board (DIN type) with arcylic door, 230 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required; <b>HPL makes</b>					
	GB0531	16 way	each	1			
	GB0530	12 ways	each	1			
		<b>ERECTION/INSTALLATION</b>					
		<b>Luminiaries Installation</b>					
15		Erection of all indoor/outdoor surface type wall bracket (single or double)/ surface ceiling fittings GLS lamps/ bulk head GLS lamp / all types call bell / all type picture or mirror lighting luminiaries fittings with all accessories, fixing of					
	EI0001	1 sq.mm single core cable 1.1 KV grade	each	1			

16		Installation, testing and commissioning of prewired fluorescent fittings of all surface type complete with all accessories and tubes directly on ceiling/wall as required including connection with PVC insulated copper conductor					
	EI0040	1 sq.mm single core cable 1.1 KV grade	each	13			
		<b>Fan Installation</b>					
17		Installation, testing and commissioning of all wall fan, with all necessary wall brackets etc.. As required					
	EI0095	1 sq.mm single core cable 1.1 KV grade	each	7			
		<b>Distribution Board (DB)</b>					
18		Installation, testing and commissioning of SPN DB (DIN type, horizontal/vertical) with no door, metal door or acrylic door (double/single door) complete with all accessories to accommodate incoming RCCB DP 32/40/63A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16 on/in prefabricated MS surface/MS cubical control panel board including drilling holes etc. as required.					
	EI0515	16 ways	each	2			
		<b>CHEMICAL EARTHING</b>					

19		Providing and fixing of maintenance free chemical earthing of <b>OBO betterman</b> , CCM chemicals chemical earthing, 50mm dia 3m long CU bonded electrode including all accessories, enclosure, C.I cover plate having locking arrangement, excavation and back filling compound mixed with soil; complete as required as per standard earthing drawing.					
	AR	CU Chemical earthing 3 m depth	each	2			
		<b>Earthing &amp; Loop Earthing</b>					
20		Providing and fixing of wire on surface or recessed for loop earthing as required					
	ET0031	with 4.06mm dia (8SWG) copper wire	m	24			
		<b>POWER CABLE (Supply) Havells/Gloster makes equivalent</b>					
		<b>Aluminium Conductor Armoured</b>					
21		Supplying of 2 -Core 1.1KV grade PVC insulated & sheathed Aluminium conductor un-armoured power cables <b>Havells/Gloster makes</b>					
	PC0024	16 sq.mm	m	35			
<b>TOTAL Electrical works(C)=Nu.</b>							

Sl.No.	PARTICULARS	QUOTED AMOUNT (Nu.)
1	Renovation of MP Hall & Construction of Footpath (civil works) (A) =Nu.	
2	Renovation of Principal's Quarter (civil works) (B) =Nu.	
3	Electrical works (C) =Nu.	
TOTAL AMOUNT (A+B+C) =Nu.		
(Ng.		

### Notes on Drawings

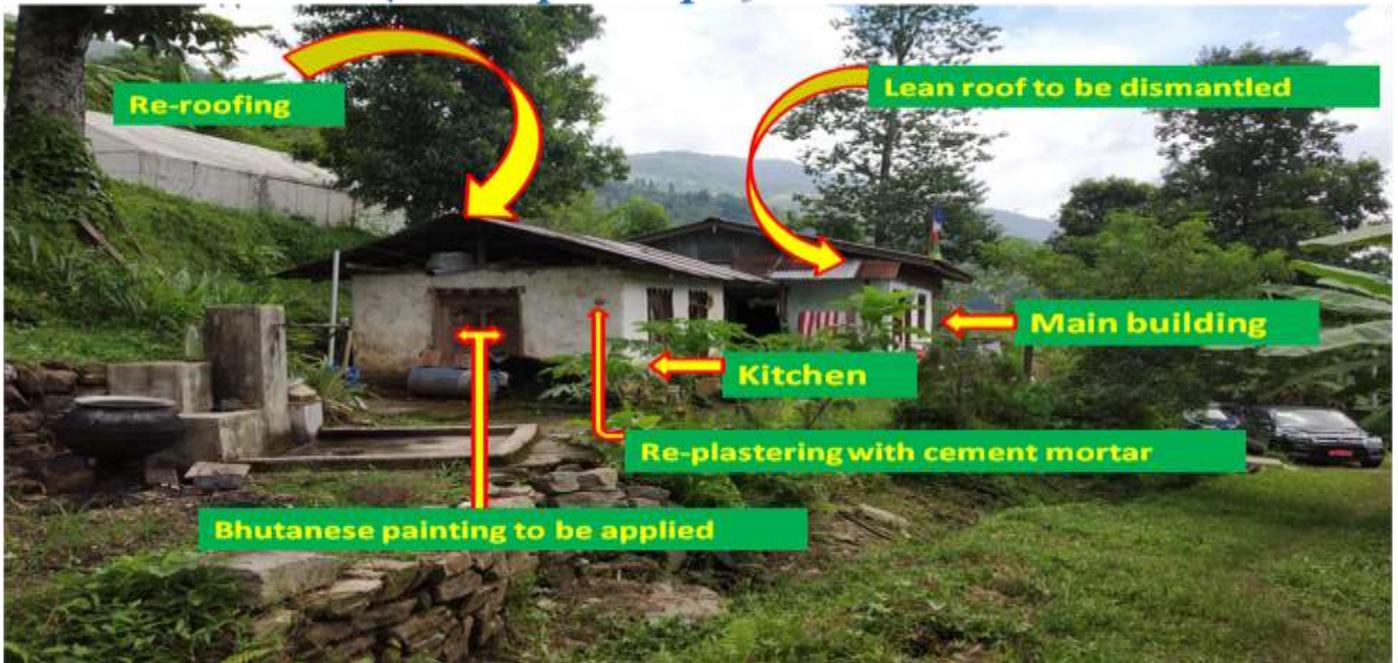
Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section or annexed in a separate folder. The Drawings shall be dated, numbered and show the revision number.

## Section 9. Drawings/Photos

(Site Plan)



## OVER VIEW(Principal's qtr.)



Proposed maintenance works are as follows;

### 1. Extension of verandha



Existing Condition



Proposed Verandha extension.

## 2. Drainage system & roof projection.



## 3. Present condition & proposed maintenance of MP Hall.



#### 4. Roofing & ceiling works.



# ELECTRICAL DRAWINGS

<b>ROYAL GOVERNMENT OF BHUTAN</b>		Name of work: Electrification of Barsheung Primary School Principal quarter		Tsireng Dorjeshug, Administrator	
DZONGKHAG ADMINISTRATION, TIRANG		Sheet Title: Cover Page			
DEPARTMENT OF ENGINEERING SERVICES		Checked by		Drawing No. 00	
DZONGKHAG ENGINEERING SECTION		Approved by		Scale: HTS	
Designed & drawn by <i>Khuyleyi</i> Training Inceptor		Date			

**Legends and Symbols**

Sl. No.	Description	Symbol	Sl. No.	Description	Symbol
1	1.5mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		1	1.5mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
2	4mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		2	4mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
3	6mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		3	6mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
4	10mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		4	10mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
5	16mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		5	16mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
6	25mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		6	25mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
7	35mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		7	35mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
8	50mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		8	50mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
9	70mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		9	70mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
10	95mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		10	95mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
11	120mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		11	120mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
12	150mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		12	150mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
13	185mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		13	185mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
14	240mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		14	240mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
15	300mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		15	300mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
16	370mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		16	370mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
17	450mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		17	450mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
18	560mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		18	560mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
19	700mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		19	700mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
20	870mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		20	870mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
21	1070mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		21	1070mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
22	1300mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		22	1300mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
23	1575mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		23	1575mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	
24	1900mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX		24	1900mm <sup>2</sup> PVC INSULATED COPPER CONDUCTOR 1.1KVX	

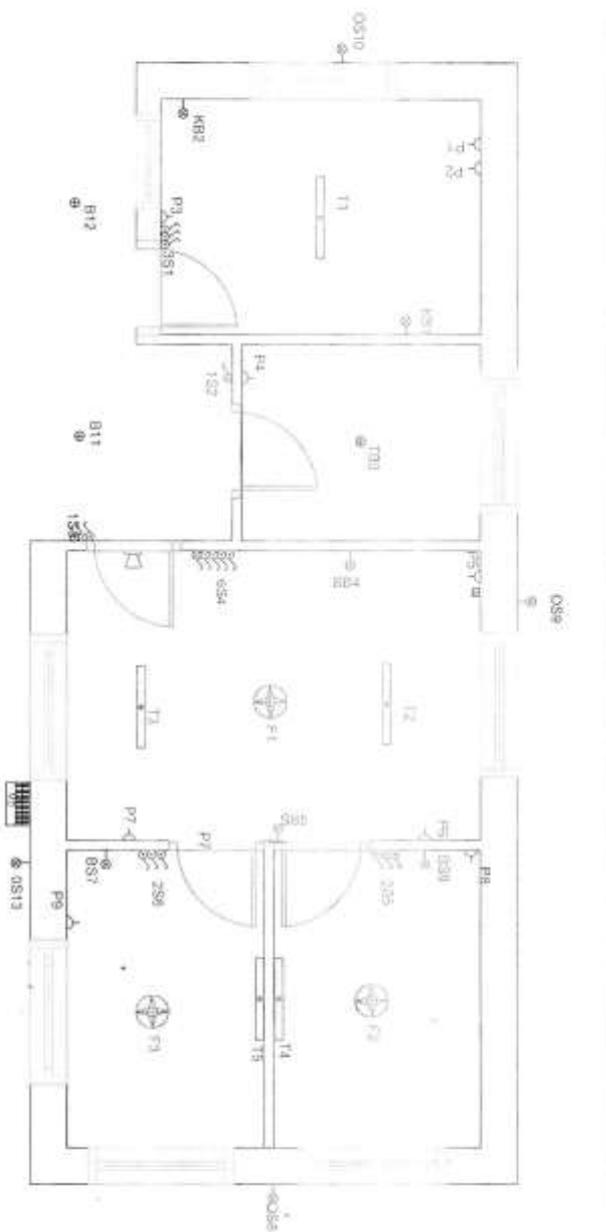
- IN NO PHASE DIFFERENCE IS ALLOWED TO BE DRAWN THROUGH THE SAME COIL
- (1) SOME ASSUMPTION AND LOADS ARE AS FOLLOWS:  
 a) Connected Loads - 13.987kW and 6473W  
 b) Voltage level - 230V  
 c) Power Factor - 0.8  
 d) Demand Factor - 0.51 and 0.92
- (12) EARTHING STATION SHALL BE ATLEAST 1.5Mtrs FROM BUILDING FOOTING.
- ON COMPLETION OF THE INSTALLATION, THE FOLLOWING TEST RESULTS SHOULD BE SATISFIED:
- (1) POLARITY TEST - ALL SWITCH MUST BE ON LIVE CONDUCTOR;  
 (2) INSULATION TEST - MINIMUM TEST RESULT SHOULD NOT BE LESS THAN 1 MEGA OHM  
 (3) EARTH CONTINUITY TEST - LOW VOLTAGE TEST LAMP TEST SHOULD SATISFY THE INSTALLATION  
 (4) EARTHING TEST - TEST RESULT SHOULD BE WITHIN 0.5 ohms (demarcation)

**SPECIFICATION DETAILS FOR ELECTRICAL WORKS**

- (1) ALL LIGHT POINT SHALL BE WITH 1.5SQ MM PVC INSULATED COPPER CONDUCTER 1.1KVX.
- (2) ALL LIGHT CIRCUIT WIRING SHALL BE WITH 2.5SQMM PVC INSULATED COPPER CONDUCTER 1.1KVX.
- (3) ALL POWER POINT WIRING SHALL BE WITH 4SQ MM PVC INSULATED COPPER CONDUCTER 1.1KVX.
- (4) ALL WALL PICTURE SHALL BE AT 2.7Mtrs. FROM FINISHED FLOOR LEVEL.
- (5) ALL THE LIGHT SWITCH BOARD SHALL BE AT 1.5Mtrs. FROM THE FINISHED FLOOR LEVEL.
- (6) ALL POWER POINT SHALL BE AT 0.3Mtrs FROM FINISHED FLOOR LEVEL AND 1.5Mtrs FOR KITCHEN AND TOILET FROM FINISHED FLOOR LEVEL.
- (7) All electrical work should follow SEW 2017
- (8) Shading follow color coding of wires: Red-live, Black-neutral, green-earth

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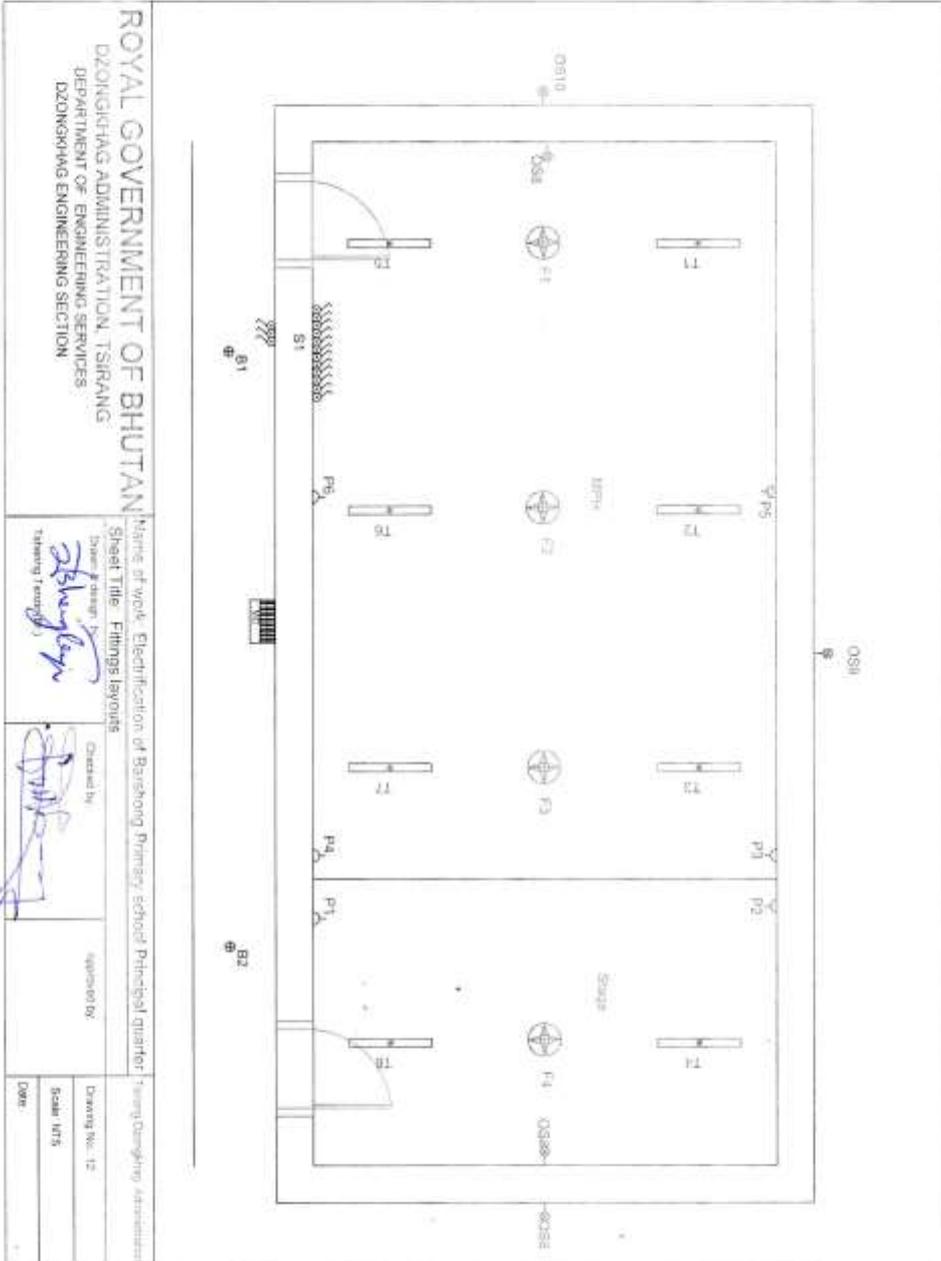
Name of work: Electrification of Bantshong Primary School principal quarter	Issued by: Tsang Dorogshag, Administrator
Sheet Title: Content	Checked by:
Drawn & design by:	Approved by:
Checked by:	Drawing No. 01
Checked by:	Scale: NTS
Checked by:	Date:



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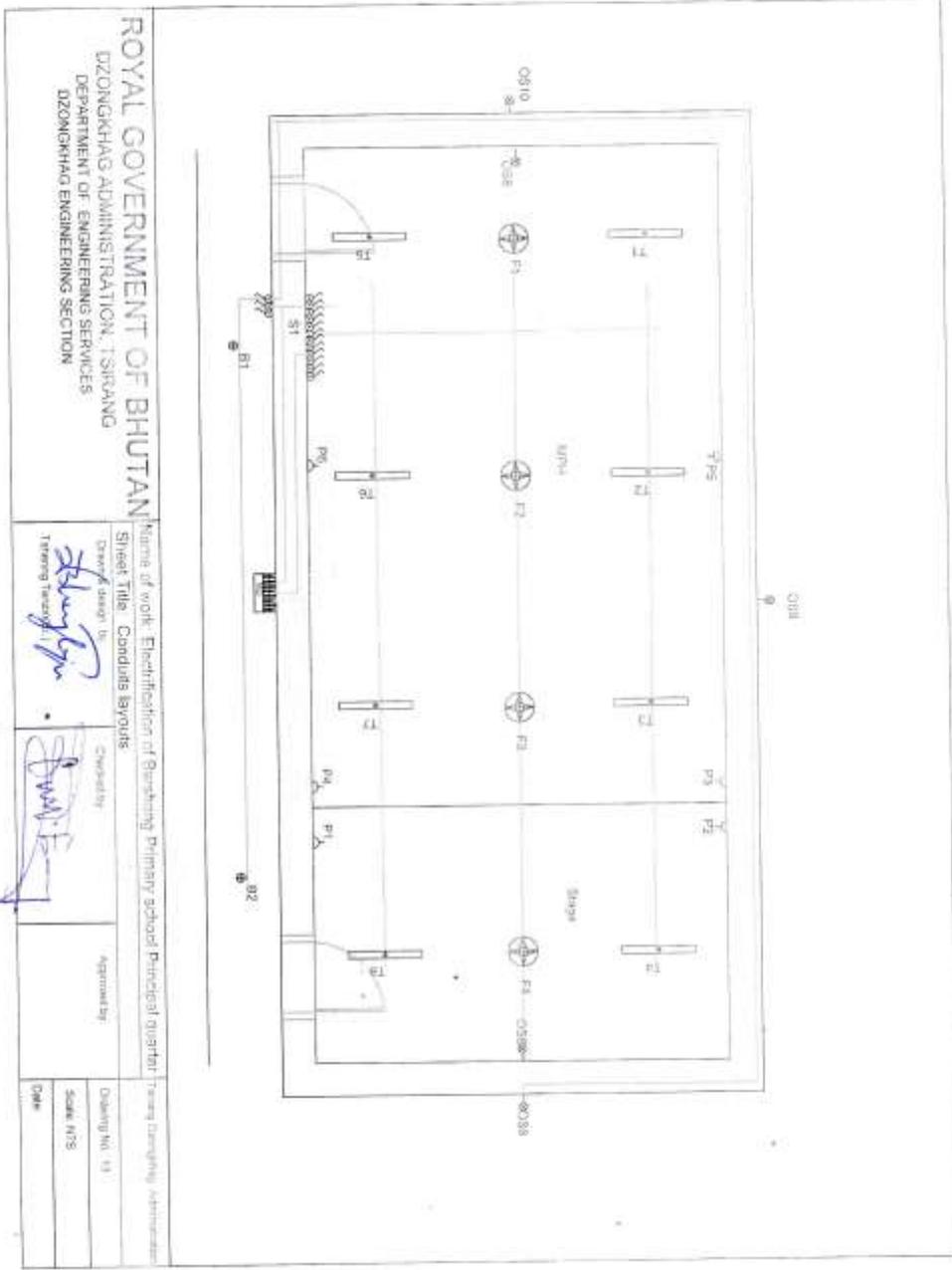
Name of work: Electrification of Beshong Primary School principal quarter		using Bhutanese construction	
Sheet Title: Electrical fittings	Drawn & stamp by: <i>Shreyas</i> Drawing Engineer	Checked by: <i>[Signature]</i>	Approved by:
			Drawing No.: 18
			Scale: NTS
			Date:





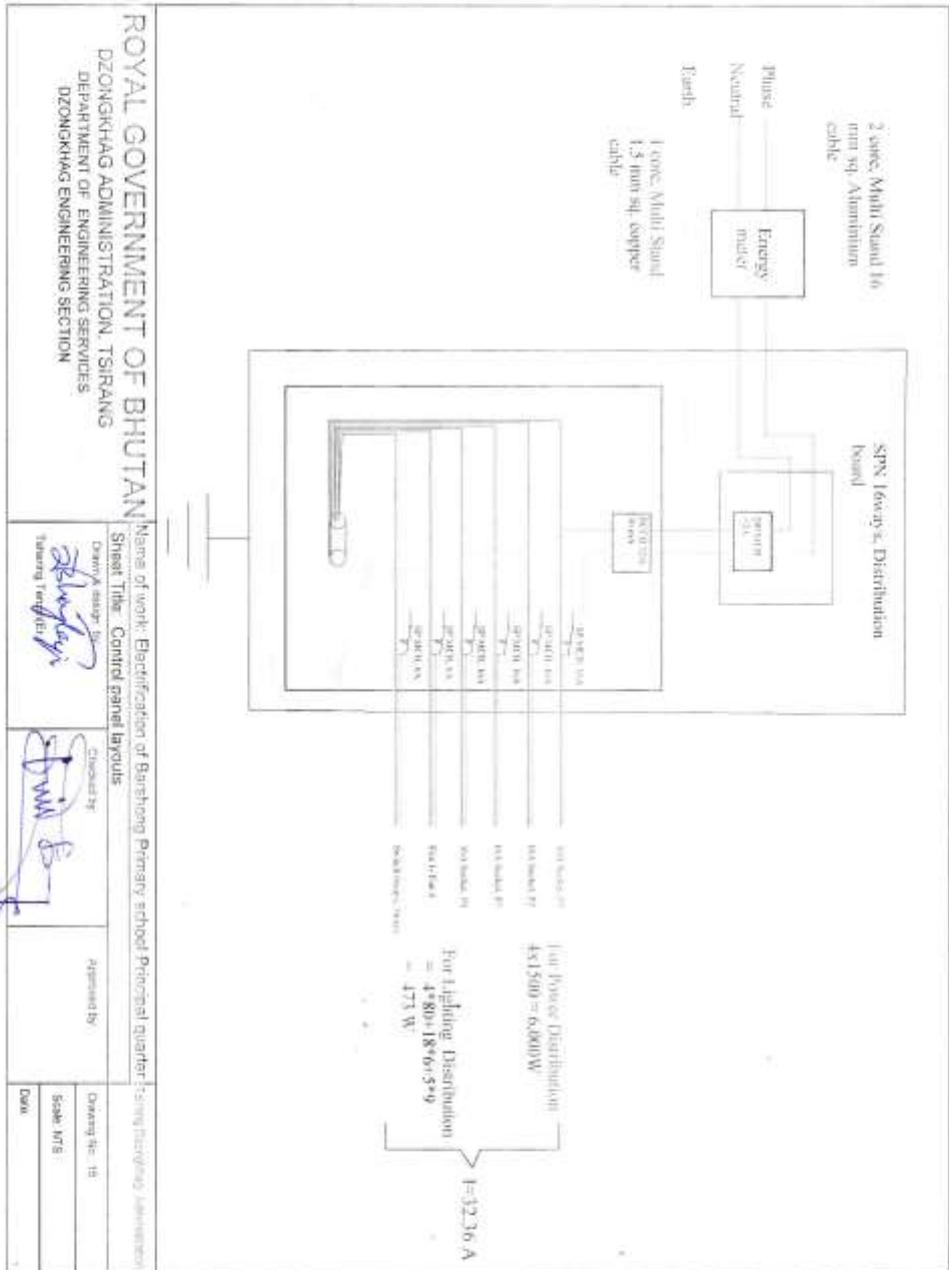
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 DEPARTMENT OF ENGINEERING SERVICES  
 DZONGKHAG ENGINEERING SECTION

Name of work: Electrification of Bantshong Primary school Principal's quarters		Name of drawing: Tsirang Dzongkhag Administration	
Sheet Title: Fittings layout	Drawn by: <i>[Signature]</i>	Checked by: <i>[Signature]</i>	Approved by: <i>[Signature]</i>
Scale: 1:75	Drawing No.: 12	Scale: 1:75	Drawing No.: 12
Date: _____	_____	Date: _____	_____



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 DZONGKHAG ADMINISTRATION, TSHRANG  
 DEPARTMENT OF ENGINEERING SERVICES  
 DZONGKHAG ENGINEERING SECTION

Name of work: Electrification of Ganeshing Primary school Principal quarter		Drawing No. 14	
Sheet Title: Conduits layout		Scale: NTS	
Drawn by: <i>Tsering Tenzin</i>	Checked by: <i>[Signature]</i>	Approved by:	Date:



**ROYAL GOVERNMENT OF BHUTAN**  
 DZONGKHAG ADMINISTRATION, TSIRANG  
 DEPARTMENT OF ENGINEERING SERVICES  
 DZONGKHAG ENGINEERING SECTION

Name of work: Electrification of Bantshong Primary school Principal quarter Tsirang Dzongkhag Administration

Sheet Title: Central panel layout

Drawn by: *[Signature]*  
 Tsirang Engineer

Checked by: *[Signature]*

Approved by:

Drawing No.: 18

Scale: NTS

Date:

**THE END**

