

**DRUK GREEN POWER CORPORATION LIMITED
MATERIAL MANAGEMENT SECTION
PHUENTSHOLING BHUTAN**



STANDARD BIDDING DOCUMENT

**SUPPLY AND DELIVERY OF LUMINARIES AND
FIXTURES.**

NIT No. MMS0070/2024 dated 17/04/2024
File No. DGPC/MMS/LF/2024/367

These documents are meant for the exclusive purpose of bidding against this NIT and shall not be transferred, reproduced or otherwise used for purposes other than that for which they are specifically issued.



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NOTICE INVITING TENDER

**Material Management Section
Druk Green Power Corporation Limited
Phuentsholing**

**Domestic Competitive Bidder
For**

Supply and Delivery of Luminaries and Fixtures

NIT No: MMS0070/2024

Date: 17/04/2024

Material Management Section, DGPC invites sealed Bids from eligible national Bidders for the Supply and Delivery of **Luminaries and Fixtures** as per the scope of supply mentioned hereinafter.

1. Detailed specifications, scope of supply and terms and conditions are given in the Bidding Documents, which are available as per the schedule below:

Tender No. and date	MMS0070/2024 dated 17/04/2024
Document available period (date & time)	From 24/04/2024 to 24/05/2024
Bid submission (date & time)	Up to 24/05/2024 by 15:00hrs BST.
Pre-bid meeting (if any)	NA
Bid opening date, time & place	24/05/2024 at 15:30 hrs BST at MMS, Phuentsholing
Bidding Documents shall be available	www.drukgreen.bt

2. Issuance of Bidding Documents shall not automatically construe that the Bidder fulfils the Qualifying Requirements which shall be determined during Bid evaluation based on data/documents submitted by the Bidder.
3. Bids shall be submitted at the address given below and shall be opened in the presence of Bidder's representatives who choose to attend.
4. All Bids must be accompanied by Bid Security for an amount of **BTN. 170,000.00 (One Hundred Seventy Thousand) only** in the form of Demand Draft /Cash Warrant /Banker's ~~Cheque/Bank Guarantee enforceable by any financial institutions in Bhutan, and shall remain~~

Standard Bidding Documents for Goods

valid till **21/08/2024 in favour of Material Management Section, DGPC**. Purchaser may also accept cash deposit through bank transfer in expectational circumstances.

5. Qualification Requirement for Bidders shall be as specified in the BDS.
6. Bid Documents are not transferrable. The Purchaser reserves the right to accept or reject any Bid partly or fully or cancel the bidding process without assigning any reasons thereof and in such case no Bidder/ intending Bidder shall have any claim arising out of such action of the Purchaser.
7. Address for bid submission:

**Head,
Material Management Section,
Phuentsholing.
Telephone: 05-254465**



SECTION I: INSTRUCTIONS TO BIDDERS (ITB) – In a separate document



SECTION II. BID DATA SHEET

ITB	Particulars
1.1	The Purchaser is: Material Management Section, DGPC, Phuentsholing
8.2	For Bid clarification purposes, the Purchaser's address is: Attention: [Chimi Rinzin] Address: Material Management Section, Phuentsholing Phone number: +975 5 254382 Electronic mail: c.rinzin840@drukgreen.bt
8.3	Bid Clarification request will be received on or before: Time: 15:30 Hrs BST Date: 14/05/2024
8.5	A pre-bid meeting " shall not " take place.
10.1	The language of bid is: English
12.1(i)	The Bidder shall submit with its Bid the following additional documents: a) Copy of Valid Trade License /Certificate of Incorporation b) Latest Tax Clearance Certificate c) Bid Submission Form
14.3	The Bidder shall quote prices: CIP. MMS Store, Phuentsholing
14.3 (a) & b)	The final destination is: MMS Store, Phuentsholing.
14.5	Bids are being invited for [INDIVIDUAL ITEM]
15.1	The prices quoted by the Bidder " shall not " be adjustable.
16.1	The Bidder shall quote in BTN
17.1	The Bid validity period shall be 60 days from the date of bid opening i.e., up to 22/07/2024.
18.1	The Bidder shall furnish a bid security in the amount of BTN 170,000.00 shall be valid up to 21/08/2024.
19.1	Alternative Bids " shall not " be permitted.
20.3	The period of time for which the Goods are expected to be functioning (for the purpose of spare parts, special tools, etc.) is [NOT APPLICABLE]
21.1	Financial Capability The Bidder shall furnish documentary evidence that it meets the financial requirement(s): [NOT APPLICABLE]



21.2	Experience and Technical Capacity The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s): [NOT APPLICABLE]
21.3(a)	Manufacturer’s authorization “ is not ” required.
21.3(b)	After sales maintenance, repair, spare parts stocking and related service “ are not ” required, and the Bidder therefore “ is not ” required to be represented by a suitably equipped and able agent in Bhutan.
21.3 (c)	Joint Venture/Consortium (JV/C) Bids are permitted [NO]
22.1&24.1	In addition to the original Bid, the number of copies is: [NOT REQUIRED]
24.2 (b)	For bid submission purposes only, the Purchaser’s address is: Head, Material Management Section, Phuentsholing. Telephone: 05-254465 E-mail: s.pema1815@drukgreen.bt
24.8	Bidders “ shall not ” have the option of submitting their Bids electronically.
25.1	The deadline for the submission of Bid is: 24/05/2024 15:00 hrs. Bhutan time.
28.1	The Bid Opening shall take place at: Address: Material Management Section, Office Date: 24/05/2024 Time: 15:30 hrs, Bhutan Time
36.3	Evaluation will be done for [ITEM WISE]
36.3 (e)	The adjustments shall be determined using the following criteria: [NOT APPLICABLE]
36.6	Bidders “ shall ” be allowed to quote prices for one or more lots.
38.1	A margin of Domestic Preference “ shall not ” apply.
43.	The successful Bidder shall submit the contract performance security and sign the Contract within 15 days from the date of issuance of NOA .
44.	Signing of contract shall be within 15 days from the date of issuance of NOA .



SECTION III: BIDDING FORMS



Form I: Bidder's Information Form

The Bidder shall fill in this Form in accordance with the instructions indicated below.

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

Tender No.: **MMS0070/2024**

1. Bidder's Legal Name[insert name]	
2. In case of Joint Venture/ Consortium (JV/C) legal name of each member: [insert JV/C]	
3. Bidder's or each member of JV/C 's Country of Registration: [insert Country of Registration]	
4. Bidder's or each member of JV/C 's Year of Registration: [insert year of registration]	
5. Bidder's or each member of JV/C 's Legal Address in Country of Registration.....[insert legal address]	
6. Bidder's or each member of JV/C 's Authorized Representative Information (if applicable) Name and identity No.:[insert Authorized Representative's name and identity No.] Address: [insert Authorized Representative's address] Telephone/mobile No.:[insert Authorized Representative's contact No.] E-mail Address:[insert Authorized Representative's email]	
Attached are copies of the following original documents: [check the box(es) of the attached original documents]	
<input type="checkbox"/>	Articles of Incorporation or Registration of firm or valid Trade license named in 1 above,
<input type="checkbox"/>	In the case of a JV/C letter of intent to form the JV/C or the JV/C agreement
<input type="checkbox"/>	In the case of a government owned entity from Bhutan, documents establishing legal and financial autonomy and compliance with commercial law
<input type="checkbox"/>	Power of attorney authorizing the signatory of the Bid to sign on behalf of the Bidder.
<input type="checkbox"/>	Latest Tax clearance certificates.



Form II: Bid Submission Form

[The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date [insert date of Bid submission]

Tender No.: **MMS0070/2024**

Alternative No.: [insert number, if this Bid is for an alternative]

To: **Material Management Section, DGPC, Phuentsholing.**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: [insert the number and date of issue of each addendum];
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the SCC the following Goods and Related Services: [insert a brief description of the Goods and Related Services];
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is: [insert the Bid Price in words and figures, indicating the various amounts and their respective currencies] [in case of single stage, two envelopes, this clause (c) and (d) shall not be applicable];
- (d) The discounts offered and the methodologies for their application are:

Discounts. If our Bid is accepted, the following discounts shall apply: [Specify in detail each discount offered and the specific item of the Schedule of Supply to which it applies.]

Methodology of Application of the Discounts. The discounts shall be applied using the following methodology: [Specify in detail the methodology that shall be used to apply the discounts];

- (e) Our Bid shall be valid for a period of [insert number] from the date fixed for the Bid submission deadline in accordance with ITB Sub-Clause 26.1, and it shall remain binding upon us and may be accepted at any time before expiry of that period;
- (c) If our Bid is accepted, we commit to provide a Performance Security in accordance with ITB Clause 45 and GCC Clause 16 for the due performance of the Contract;
- (d) We are not participating, as Bidders, in more than one Bid in this bidding process, other than any alternative offers submitted in accordance with ITB Clause 15;
- (e) We, including any subcontractors or suppliers for any part of the Contract, have nationality from eligible countries, viz: [insert the nationality of the Bidder, including that of all parties that comprise the Bidder if the Bidder is a JV/C, and the nationality each subcontractor and supplier]
- (f) We have no conflict of interest pursuant to ITB Sub-Clause 3.2;



- (g) Our firm, its affiliates or subsidiaries - including any subcontractors or suppliers for any part of the contract - has not been declared ineligible by the Purchaser under the laws or official regulations of Bhutan, in accordance with ITB Sub-Clause 3.4;
- (h) We have read the ITB and GCC carefully, understood and agree to comply with all the clauses which are mentioned therein. In case of any breach of any condition on our part, we shall be liable for actions as per terms and conditions of the Contract.
- (i) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (j) We accept the Vendor Performance Management System.

We understand that you are not bound to accept the lowest evaluated Bid or any other Bid that you may receive.

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

In the capacity of*[insert legal capacity of person signing the Bid Submission Form]*

Name.....*[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of.....*[insert complete name of Bidder]*

Dated onday of*[insert date of signing]*



Form III: Bid Security (Bank Guarantee)

[The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

.....
[insert Bank's Name, and Address of Issuing Branch or Office]

Tender No.

Beneficiary: [Name and Address of Purchaser]

Date: _____

BANK GUARANTEE No.: _____

At the request of the Bidder, we.....*[insert name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of.....

..... *[insert amount in figures]*

[insert amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the Bid conditions, because the Bidder:

(a) has withdrawn its Bid during the period of Bid validity specified by the Bidder in the Form of Bid;

or

(b) having been notified of the acceptance of its Bid by the Purchaser during the period of Bid validity, (i) fails or refuses to execute the Contract Form; or (ii) fails or refuses to furnish the Performance Security, if required, in accordance with the Instructions to Bidders.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copy of the contract signed by the Bidder and the Performance Security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful Bidder, upon receipt of notification of being unsuccessful bidder from the purchaser; or thirty days after the expiration of the Bidder's Bid. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s)]



Form IV: Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so, indicated in the BDS.]

Date: *[insert date of Bid Submission]*

Tender No.: *[insert tender number]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of the Purchaser]*

WHEREAS

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

We hereby extend our full guarantee and warranty in accordance with GCC Clause 28 with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of the authorized representative(s) of the Manufacturer]*

Title: *[insert title(s) of the authorized representative(s) of the Manufacturer]*

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

Dated on the *[insert number]* day of *[insert month]*, *[insert year]*.



Form V: Integrity Pact

This agreement should be a part of the tender document, which shall be signed and submitted along with the tender document. The head of employing agency/or his authorized representative should be the signing authority. For the Bidders, the Bidder himself or his authorized representative must sign the Integrity Pact (IP).

1 General:

Whereas **Thinley Penjor**, representing the Material Management Section, Procurement Unit, Royal Government of Bhutan, hereinafter referred to as the “**Employer**” on one part, and(Name of bidder or his/her authorized representative, with power of attorney) representing M/s.(Name of firm), hereinafter referred to as the “**Bidder**” on the other part hereby execute this agreement as follows:

This agreement shall be a part of the standard bidding document, which shall be signed by both the parties at the time of purchase of bidding documents and submitted along with the tender document. This IP is applicable only to “**large**” scale works, goods and services, the threshold of which will be announced by the government from time to time. The signing of the IP shall not apply to framework contracting such as annual office supplies etc.

2 Objectives:

Whereas, the Employer and the Bidder agree to enter into this agreement, hereinafter referred to as IP, to avoid all forms of corruption or deceptive practice by following a system that is fair, transparent and free from any influence/unprejudiced dealings in the **bidding process**¹ and **contract administration**², with a view to:

- 2.1 Enabling the Employer to obtain the desired contract at a reasonable and competitive price in conformity to the defined specifications of the works or goods or services; and
- 2.2 Enabling bidders to abstain from bribing or any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also refrain from bribing and other corrupt practices.

3. Scope:

The validity of this IP shall cover the bidding process and contract administration period.

4. Commitments of the Employer:

The Employer Commits itself to the following: -

- 4.1 The Employer hereby undertakes that no officials of the Employer, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favor or any material or immaterial benefit or any other advantage from the Bidder, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process and contract administration.



- 4.2 The Employer further confirms that its officials shall not favor any prospective bidder in any form that could afford an undue advantage to that particular bidder in the bidding process and contract administration and will treat all Bidders alike.
- 4.3 Officials of the Employer, who may have observed or noticed or have reasonable suspicion shall report to the head of the employing agency or an appropriate government office any violation or attempted violation of clauses 4.1 and 4.2.
- 4.4 Following report on violation of clauses 4.1 and 4.2 by official(s), through any source, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings shall be initiated by the Employer and such a person shall be debarred from further dealings related to the bidding process and contract administration.

5. Commitments of Bidders

The Bidder commits himself/herself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of the bidding process and contract administration in order to secure the contract or in furtherance to secure it and in particular commits himself/herself to the following: -

- 5.1 The Bidder shall not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favor, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the Employer, connected directly or indirectly with the bidding process and contract administration, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding process and contract administration.
- 5.2 The Bidder shall not collude with other parties interested in the contract to manipulate in whatsoever form or manner, the bidding process and contract administration.
- 5.3 If the bidder(s) have observed or noticed or have reasonable suspicion that the provisions of the IP have been violated by the procuring agency or other bidders, the bidder shall report such violations to the head of the procuring agency.

6. Sanctions for Violation:

The breach of any of the aforesaid provisions shall result in administrative charges or penal actions as per the relevant rules and laws.

- 6.1 The breach of the IP or commission of any offence (forgery, providing false information, mis-representation, providing false/fake documents, bid rigging, bid steering or coercion) by the Bidder, or any one employed by him, or acting on his/her behalf (whether with or without the knowledge of the Bidder), shall be dealt with as per the terms and conditions of the contract and other provisions of the relevant laws, including De-barment Rules.
- 6.2 The breach of the IP or commission of any offence by the officials of the procuring agency shall be dealt with as per the rules and laws of the land in vogue.



8. Monitoring and Administration:

- 7.1 The respective procuring agency shall be responsible for administration and monitoring of the IP as per the relevant laws.
- 7.2 The bidder shall have the right to appeal as per the arbitration mechanism contained in the relevant rules.

We, hereby declare that we have read and understood the clauses of this agreement and shall abide by it.

The parties hereby sign this Integrity Pact at (*place*) _____ on (*date*) _____

Affix Legal Stamp

Affix Legal Stamp



EMPLOYER

CID:

1	2	0	0	6	0	0	1	0	6	0
---	---	---	---	---	---	---	---	---	---	---

BIDDER/REPRESENTATIVE

CID:

--	--	--	--	--	--	--	--	--	--	--

Witness: _____

Name: **Chimi Rinzin**
Executive Engineer (Elect.)

Witness: _____

Name:



Form VI: Deviation Schedule

The Bidder shall specify below, in detail, all deviations from and exceptions to the Bid Document. Any entry shall be referenced to the clause to which they refer.

The Bidder shall be deemed to be compliant with the content and intent of the Bid Document except in respect of deviations and exception listed in this Schedule.

Clause No.	Details of Deviation/ Exception	Reasons for Deviation/ Exception

In case of NO DEVIATION mentioned here and deviation of clauses/specification is mentioned elsewhere, then it will be taken as a deviation.

Signature of Bidder _____

Place & Date _



Form VII: Price Schedule Form

[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated]

Sl. No.	Description of Goods	Place of origin	Quantity	Unit	Unit Price (BTN)	Total Price (BTN)
<i>Price Schedule attached</i>						
Total Price						

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*



Price Schedule - Related Services- If applicable

SN	Description of Services	Quantity	Unit	Unit Price (BTN)	Total Price (BTN)

Total Bid Price

Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]*



Form VIII: Technical Specifications (If applicable) -As per Price Schedule attached

<i>Item No</i>	<i>Name of Goods or Related Service</i>	<i>Technical Specifications and Standards</i>

Drawings

These Bidding Documents include “No” drawing. Or as per Price Schedules



**SECTION IV: GENERAL CONDITIONS OF CONTRACT (GCC) –
IN SEPARATE DOCUMENT**



SECTION V: SPECIAL CONDITIONS OF CONTRACT (SCC)

<p>The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the (GCC).</p>	
<p>Reference to the GCC is made as under:</p>	
1.1.18	Final Destination(s) is: Store, Material Management Section, DGPC, Phuentsholing
1.1.19	The Purchaser is: Material Management Section, DGPC, Phuentsholing
1.3.5 (a)	The meaning of the trade terms shall be as prescribed by Incoterms. If the meaning of any trade term and the rights and obligations of the parties there under shall not be as prescribed by Incoterms, they shall be as prescribed by: [Incoterm 2020]
1.3.5(b)	The term CIP and other similar terms shall be as per the version of Incoterms 2020.
1.5.1	The language shall be “English”
1.7.1	For notices, the addresses shall be: For the Purchaser: Attention: Mr. Chimi Rinzin Address: Material Management Section, Procurement Unit, DGPC Telephone: 00975 05 254386 E-mail address: c.rinzin840@drukgreen.bt
3.2.1	The amount of the Performance Security shall be 10% of the contract value, if each contract value is above Nu. 0.50 million prior to signing of contract. OR In case of contract value up to Nu.0.50 million, the purchaser shall retain 10% of contract value in place of performance security against each supply. The retention money/performance security shall be released within 30 days from the date of completion of warranty period (if applicable), or within thirty (30) days from the date of complete delivery of all items.
3.2.3	The types of acceptable Performance Securities and validity are: (a) Performance security: (i) <i>Unconditional bank guarantee issued by a reputable financial institution acceptable to any banks in Bhutan, in the form provided for in the Contract or in any other form acceptable to the purchaser:</i> (ii) <i>Cash warrant, or</i> (iii) <i>Demand Draft or (as applicable)</i> (b) Validity of performance security: The Performance Security shall be valid thirty (30) days beyond the successful completion of the Supplier’s performance obligations under the Contract, including the completion of the warranty period under the Contract and for any extension thereto. It shall serve as a guarantee that the Supplier will perform his contractual obligations under the Contract till the warranty period.



3.3.1	Subcontracting shall be “not allowed” .
5.2.1	The inspections and tests shall be: In case of any anomalies during test/ check, decision made by the end-user shall be final and binding.
5.2.2	Inspections and tests shall be conducted at: Final point of delivery.
6.1.1	The time for Delivery shall be 90 days from date of notification of award or purchase order. Details of Shipping and other Documents to be furnished by the Supplier are: Invoice & Challan, etc. (Signed with Company Seal) .
6.3.1	The applicable rate for liquidated damages for delay shall be 0.30% per day of delay with a maximum of 10% (ten) percent of the total value of the delayed goods or unperformed services
7.1.3	The warranty shall be valid for 365 days after the goods have been delivered and accepted at the final destinations (BHP, CHP, CO, HRDC, KHP, THP, MHP, DHPC) or as per manufacturer’s warranty period. [If Applicable]
7.1.4 & 7.1.5	The period for repair or replacement shall be: 30 days.
9.1.1 a)	The prices charged for the Goods supplied and the related Services performed “shall not” be adjustable.
9.2.1	Terms of payment shall be: 100% payment shall be made promptly by DGPC, no later than thirty (30) days after the receipt of goods along with invoices and documents in accordance with GCC 9.2.2 . Provided that the documents are compliant with all the requirements of DGPC. In case of incomplete/ non-compliant invoices and documents, DGPC shall ask the Supplier to re-submit the invoices and documents with full compliance.
9.3.4	Tax Deducted at Source (TDS) from Bhutanese Bidders shall be “2 %” from the gross amount of bills.
13.1.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms.
13.2.2	The packing, marking and documentation within and outside the packages shall be as per GCC 13.2.
14.1.1	The insurance coverage shall be as specified in the Incoterms 2020.
15.1.2	Contract with a Bhutanese Supplier: In the case of a dispute between the Purchaser and a Bhutanese Supplier, the dispute shall be referred to adjudication or arbitration in accordance with Alternative Dispute Resolution Act of Bhutan 2013.

SECTION VI: CONTRACT FORMS



Form I: Contract Agreement

[The successful Bidder shall fill in this form in accordance with the instructions indicated]

THIS AGREEMENT is made on the *[insert number]* day of *[insert month]*, *[insert year]*,

BETWEEN

----- *[insert complete name of Purchaser]*, a Purchaser registered under the
.....*the laws of Bhutan* and having its principal place of business at *[insert address of Purchaser]*
(hereinafter called “The Purchaser”), *and*

-----*[insert name of Supplier]*, incorporated under the laws of
[insert country of Supplier] and having its principal place of business at *[insert address of Supplier]* (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited Bids for certain Goods and related services, viz., *[insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services for a total sum of *[insert Contract Price in words and figures, expressed in the Contract currency/ies]* (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 Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract, viz.:
 - (a) This Contract Agreement;
 - (b) Performance Security;
 - (c) Integrity Pact;
 - (d) The Purchaser’s Notification of Award of Contract;
 - (e) Minutes of Contract Negotiation Meeting (if any);
 - (f) The Special Conditions of Contract;
 - (g) The General Conditions of Contract;
 - (h) Technical Requirements (including Schedule of Supply and Technical Specifications.)
 - (i) The Supplier’s Bid and original Price Schedules;
 - (h) *[Insert here any other document(s) forming part of the Contract]*
3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with t he Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the



Goods and Related Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

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

For and on behalf of the Purchaser

Signed: *[insert signature, affix legal stamp]*
in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert signature] [insert identification of official witness]*

For and on behalf of the Supplier

Signed: *[insert signature of authorized representative(s) of the Supplier, affix legal stamp]*
in the capacity of *[insert title or other appropriate designation]*

in the presence of *[insert signature] [insert identification of official witness]*



Form II: Contract Performance Security

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid submission]*
Tender No.*[insert tender number]*
Name of the Tender..... *[insert name of the tender]*

Bank’s Branch or Office: *[insert complete name of Guarantor]*

Beneficiary: *[insert complete name of the Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)]¹ in figures and in words* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert day/ month/ year]*,² and any demand for payment under it must be received by us at this office on or before that date. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]/[one year]*, in response to the Purchaser’s written request for such extension, such request to be presented to us before the expiry of the Guarantee.

[signatures of authorized representatives of the bank and the Supplier]

¹ *The Bank shall insert the amount(s) specified in the SCC and denominated, as specified in the SCC, either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Purchaser.*

² *Date established in accordance with Clause 16.4 of the General Conditions of Contract (“GCC”). The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee.*



Form III: Bank Guarantee for Advance Payment

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]

Date*[insert date (as day, month, and year) of Bid submission]*
Tender No.....*[insert tender number]*
Name of the Tender:.....*[insert name of the tender].*
Bank’s Branch or Office*[insert complete name of Guarantor]*

Beneficiary:*[insert Name and address of the Purchaser]*

ADVANCE PAYMENT GUARANTEE No*[insert Advance Payment Guarantee no.]*

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s)¹ in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the Contract because the Supplier used the advance payment for purposes other than toward delivery of the Goods.

It is a condition for any claim and payment under this Guarantee to be made that the advance payment referred to above must have been received by the Supplier in its account *[insert account number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[insert date²]*. We agree to a one-time extension of this Guarantee for a period not to exceed *[six months]/[one year]*, in response to the Purchaser’s written request for such extension, such request to be presented to us before the expiry of the Guarantee.

[signature(s) of authorized representative(s) of the bank]

- 1 *The bank shall insert the amount(s) specified and denominated in the Notification of Award,*
- 2 *Insert the Delivery date stipulated in the Contract Delivery Schedule. the Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee.*



PRICE SCHEDULE

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
1	EMELSPSP 2000001902	Counter weight guide shoe for elevator, Slot: 12mm, H:87mm, B: 44mm, W: 50mm	4	NO				To be specified	
2	EMCIARAR 2000002393	Time delay relay, A1D1-X, 0.3sec-30min, 24-240VAC/DC	4	NO				EAPL/ Equivalent or Higher	
3	EMCIMEME 2000003038	Ammeter, 0-200A, 50Hz, CTR:200/1A, 96mm2	6	NO				AE/ Equivalent or Higher	
4	EMIFPVFI 2000003666	PVC casing and capping, 1"	216	NO				RAVI/ Equivalent/ Higher	
5	EMIFPVFI 2000003687	PVC insulation tape, 3/4" x 10 mtr. long	870	NO				Havells/ Equivalent/ Higher	
6	EMIFPVFI 2000003689	High voltage insulation tape 2"	4	NO				Bells/ Equivalent or Higher	
7	EMIFPVFI 2000003701	PVC flexible conduct, 1" (25mm)	3	ROL				To be specified	
8	EMIFMEFI 2000003716	IC box - 6"x 8"	50	NO				Home/ Equivalent or Higher	
9	EMIFBSBS 2000003740	Bakelite sheet, 4.5" x 4.5" x 3 mm	100	NO				KENT/Hilum/ Equivalent or Higher	
10	EMIFBSBS 2000003741	Bakelite sheet, 4.5" x 6.5" x 3 mm	50	NO				KENT/Hilum/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
11	EMIFBSBS 2000003742	Bakelite sheet, 6.5" x 8.5" x 3 mm	150	NO				KENT/Hilum/ Equivalent or Higher	
12	EMIFBSBS 2000003743	Bakelite sheet, 9" x 11" x 3 mm	60	NO				KENT/Hilum/ Equivalent or Higher	
13	EMIFLFLP 2000003747	Bulb, 100 W, P-type	90	NO				Syska/Havells/ Philips/ Equivalent or Higher	
14	EMIFLFLP 2000003764	CFL lamp, 45W, 230V, P-type	80	NO				Syska/Havells/ Philips/ Equivalent or Higher	
15	EMIFLFLP 2000003770	CFL lamp 8 W P/type	40	NO				Syska/Havells/ Philips/ Equivalent or Higher	
16	EMIFLFLP 2000003782	Fluorescent tube fitting, 2' long, 20W	35	SET				Havells/ Equivalent/ Higher	
17	EMIFLFLP 2000003810	Lamp HPI - T250W	100	NO				Syska/Havells/ Philips/ Equivalent or Higher	
18	EMIFLFLP 2000003811	Lamp SON-T-150W E40	20	NO				Syska/Havells/ Philips/ Equivalent or Higher	
19	EMIFLFLP 2000003820	Lamp, SON-70W, SLD 203/70W	85	NO				Syska/Havells/ Philips/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
20	EMIFLFLP 2000003841	Halogen fitting with complete set, 500W	3	SET				Syska/Havells/ Philips/ Equivalent or Higher	
21	EMIFLFLP 2000003842	Halogen fitting, 1000W with complete set	16	SET				Syska/Havells/ Philips/ Equivalent or Higher	
22	EMIFLFLP 2000003843	Halogen lamp - 500 W	215	NO				Syska/Havells/ Philips/ Equivalent or Higher	
23	EMIFLFLP 2000003844	Halogen lamp - 1000 W	205	NO				Syska/Havells/ Philips/ Equivalent or Higher	
24	EMIFLFFI 2000003861	Batten lamp holder, P-type	160	NO				Gara/ Anchor/ Equivalent/ Higher	
25	EMIFLFFI 2000003868	Choke - 36W copper wound	200	NO				CGL/ Equivalent/ Higher	
26	EMIFLFFI 2000003894	Pendent lamp holder, P-type	30	NO				Anchor/ Equivalent or Higher	
27	EMIFLFFI 2000003899	Starter, 20/40 W	200	NO				Phillips/ Equivalent/ Higher	
28	EMIFLFFI 2000003901	Tube rod, 2' long, 20 W	55	NO				CGL/ Equivalent/ Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
29	EMIFLFFI 2000003903	Tube rod, 4' long, 36 W	1,255	NO				CGL/ Equivalent/ Higher	
30	EMIFLFFI 2000003913	Ballast/Choke, BHL250, 250 W	160	NO				Bajaj/Crompton / Equivalent or Higher	
31	EMIFLFFI 2000003935	HPSV holder, 70 W, S-type	50	NO				To be specified	
32	EMIFLFFI 2000003962	Igniters for lamp of 70/150/250/400W, 180/250V, 50Hz	300	NO				Havells/ Phillips/ Equivalent or Higher	
33	EMIFSOSO 2000003969	Power Socket 16A, Type 4105, IP 44	9	NO				Mennekes/ Equivalent or Higher	
34	EMIFSOSO 2000003975	Switch socket combined 5 Amp - 5 pin	125	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
35	EMIFSOSO 2000003980	S/Socket combined, 16A, 5Pin, Box Type	80	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
36	EMIFSOSO 2000003982	Switch socket combined, 16Amp - 6 pin	304	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
37	EMIFPTPT 2000003984	Plug top 15/16 A - 3 Pin	383	NO				Anchor/Havells /Phillips/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
38	EMIFPTPT 2000003985	Plug top 5 A - 3 Pin	125	NO				Anchor/Havells/ Phillips/ Equivalent or Higher	
39	EMIFSWW 2000004002	Switch, 5 A - 1 way	110	NO				Anchor/Havells/ Phillips/ Equivalent or Higher	
40	EMIFSWW 2000004008	Street Lighting Timer, 230V, 20KW	2	NO				L&T/ Equivalent or Higher	
41	EMIFMCMC 2000004009	MCB, SP, 6 A	105	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
42	EMIFMCMC 2000004011	MCB, SP, 16 A	143	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
43	EMIFMCMC 2000004012	MCB, SP 32A	20	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
44	EMIFMCMC 2000004015	MCB, DP, 40 A	20	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
45	EMIFMCMC 2000004016	MCB, TPN, 63 A	36	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
46	EMIFMCMC 2000004017	MCB, TPN, 100 A	23	NO				MDS/Havells/ Benlo/Equivalen t or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
47	EMIFMCMC 2000004018	MCB, TPN, 200 A	1	NO				MDS/Havells/ Benlo/Equivalent or Higher	
48	EMIFMCMC 2000004046	MCB, TP, 32A	5	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
49	EMIFMCMC 2000004052	MCB, TP, 63A	15	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
50	EMIFMCMC 2000004053	MCB, DP, 16A	3	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
51	EMIFDBDB 2000004092	MCB-DB, 10 way, SPN with 1 No. DP 40A, as in coming and 6 Nos. 16A, 4 Nos. 10A.	10	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
52	EMIFDBDB 2000004094	MCB-DB, 12 way, 3 phase	10	NO				MDS/Havells/ Benlo/ Equivalent or Higher	
53	EMIFPTPT 2000004563	Insulating sleeve	1	NO				To be specified	
54	EMIFBTB 2000004586	Terminal Block 12 Ways 30Amps	46	NO				PTR/ Equivalent or Higher	
55	EMIFLFFI 2000004638	Tubelight fitting, BS339/230D-6TTDE, 2x36W, TLD with tubes and accessories.	50	NO				Phillips/ Equivalent/ Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
56	EMGESPSP 2000004651	Carbon brush (50.8x38.1x25.4) mm, HM6 grd.	390	NO				M/s assam Carbon Products Ltd or Equivalent	
57	EMIFSOSO 2000004823	Switch socket combined, 15A, 5 pin	135	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
58	EMIFTPTP 2000005008	Steel tubular pole 5.5m long, 5.4mm thick, 50/60mm dia non swaged having base plate 250X250X4mm, entry hole of 40mm dia 1.1mm from bottom and strude bolts as earth terminal complete, Al painted	5	NO				Bansal/ Equivalent or Higher	
59	EMIFLFFI 2000005121	Post top lantern SON 70W	10	NO				Surya/ Equivalent or Higher	
60	EMIFMCMC 2000005175	MCB+ADD-ON Contact-C40, DP, 220/440 VDC,	2	NO				Scheider/ Equivalent or Higher	
61	EMIFSOSO 2000005265	Socket outlet 6A 3 pin	132	NO				Gara/ Equivalent or Higher	
62	EMIFSWSW 2000005280	Ceiling Fan Regulator 120/280V	15	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
63	EMIFLFFI 2000005289	Ballast, 50-70W, SN 57/01 SON-T plus	5	NO				CGL/ Equivalent/ Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
64	EMIFSWSW 2000005294	Flush type switch 1 way, 6 A, (code 33001)	170	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
65	EMIFLFFI 2000005298	Pendent holder (Brass)	8	NO				To be specified	
66	EMIFLFLP 2000005307	CFL lamp, 18W, Pin type	50	NO				Syska/ Equivalent or Higher	
67	EMIFSOSO 2000005436	Socket, 15A, 3 pin	20	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
68	EMIFLFFI 2000005454	Ballast, SON+MH-150W, C8315x100	20	NO				CGL/ Equivalent or Higher	
69	EMIFLFFI 2000005461	Fluorescent tube fittings,4ft, 36/40W	100	NO				Phillips/ Equivalent/ Higher	
70	EMIFLFLP 2000005503	Post Top Lantern fitting with lamp 45w, LED lamp with dome cover, diamond shape, colour white. The set consists of Base, holder, dome and CFL lamp	30	SET				Kapco/CGL/ Equivalent or Higher	
71	EMIFMCMC 2000005543	MCB, DP 63 Amps	15	NO				Benlo/ Equivalent or Higher	
72	EMIFPVFI 2000005552	PVC Casing and Capping 2"	140	NO				National/ Equivalent or Higher	
73	EMIFSOSO 2000005616	Power strip 3pin, 3port 13A, D- type1A16A3, (extension cord socket)	10	NO				Great White/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
74	EMIFLFFI 2000005764	Hand lamp fitting with bulb holder, and protective cover, 240V AC	33	NO				Ravi/ Equivalent or Higher	
75	EMCIAILH 2000005860	Lamp for Push Button T6.8,30v,40mA	100	NO				CMI/ Equivalent or Higher	
76	EMIFPVFI 2000005955	PVC Gang box -4 ways	10	NO				Havells/Equival ent or Higher	
77	EMIFPVFI 2000005956	PVC Gang box -5 ways	10	NO				Havells/Equival ent or Higher	
78	EMIFPVFI 2000005957	PVC Gang box -6 ways	10	NO				Havells/Equival ent or Higher	
79	EMIFPVFI 2000005958	PVC Gang box -3 ways	10	NO				Havells/Equival ent or Higher	
80	EMIFPVFI 2000005960	PVC Gang box-2 ways	10	NO				Havells/Equival ent or Higher	
81	EMIFMCMC 2000006235	MCB SP 16 A	20	NO				Havells/ Equivalent or Higher	
82	EMGECSOC 2000006466	TGB Oil Cooler, model no. FG120 14273	1	NO				Bowman/ Equivalent or Higher	
83	EMCIARAR 2000006648	Electronic timer, 0-24Hrs, 230V AC	5	NO				L&T/ Equivalent or Higher	
84	EMIFLFLP 2000006858	Emergency exit light set, 11W, batt:6V, Emergency exit light fitting set, 11W, Battery 6V,4AH. Model No;111EEM.	20	SET				Fintech/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
85	EMGESPSP 2000007051	Flexible jumper: Drg.-CHK-CR-II (WAPCOS), 11kV for generator transformer (Detail attached)	6	SET				Flexible/ Equivalent or Higher	
86	EMIFLFFI 2000007318	Porcelain lamp holder, 2 Pin type, 45W, 230volt for Screw type lamp.	100	NO				Shiva/ Equivalent or Higher	
87	EMIFSWSW 2000007495	Modular switch 15Amp	40	NO				Roma/ Equivalent or Higher	
88	EMIFLFLP 2000007742	Flood light water proof 125W, 240VAC,	10	SET				CG/ Equivalent or Higher	
89	EMIFTPTP 2000007873	Steel Tubular pole,10Mtr. single bracket	10	NO				Subham Pole/ Equivalent or Higher	
90	EMIFLFFI 2000008469	Fluorescent light chokeless 20W T4, fitting with lamp (complete set)	100	SET				Crompton/ Equivalent or Higher	
91	EMIFLFFI 2000008491	LED, 60W streetlight with fitting	25	SET				L&T/ Equivalent/ Higher	
92	EMIFLFFI 2000009190	LED floodlight fitting with lamp, 125W	30	SET				Phillips/Havells /Equivalent or Higher	
93	EMIFLFFI 2000009237	LED Flood Light, 50W, 230V AC	20	NO				Phillips/Havells /Equivalent or Higher	
94	EMIFLFFI 2000009407	LED flood light - 50w	59	NO				Phillips/Havells / Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
95	EMIFLFLP 2000009468	Ceiling light, 22W, 240V, TL5c	30	NO				Bajaj/ Equivalent or Higher	
96	EMIFMCMC 2000009471	MCB, DP, 10A,240-415VAC,50Hz	10	NO				Havells/ Equivalent or Higher	
97	EMIFMCMC 2000009475	MCB, DP,6A,240-415VAC,50 Hz. Type -5SQ22,	20	NO				Havells/ Equivalent or Higher	
98	EMIFMCMC 2000009477	MCB, TP,50A,240-415VAC,50 Hz. Type-5SQ23,	3	NO				Legrand/ Equivalent or Higher	
99	EMIFLFLP 2000009499	LED bulb 12W, B 22 P-type	65	NO				Polycab/ Equivalent/ Higher	
100	EMIFSWSW 2000009547	Timer for automatic controlling of light	5	NO				L&T/ Equivalent/ Higher	
101	EMIFLFFI 2000009710	LED flood light luminaries 200W, Grey	20	NO				Benlo/ Equivalent or Higher	
102	EMIFMCMC 2000009717	Bus bar DB 100A 425V including earth bar	40	NO				To be specified	
103	EMIFMEFI 2000009890	Street Light Junction Box	20	NO				Havells/ Equivalent/ Higher	
104	EMIFLFLP 2000010004	LED Lamps,18 Watt, M6 P/T with Holder	200	NO				Polycab/ Equivalent/ Higher	
105	EMIFLFLP 2000010005	LED Tube Light 36Watt T8 LED Batten	350	NO				Royal/ Equivalent/ Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
106	EMIFLFLP 2000010044	LED Tube light 20Watt	20	NO				Royal/ Equivalent/ Higher	
107	EMIFLFFI 2000010079	LED electronic driver 120W	10	NO				Crompton/ Balaji/ Equivalent or Higher	
108	EMIFLFLP 2000010783	LED Tube rod T5 LED 20W 4"long	20	NO				Syska/ Equivalent or Higher	
109	EMGESPSP 2000010998	RTD sensor 3wired, pt100, 4mm dia, 26mm	10	NO				Power Electronic & Control/ Equivalent or Higher	
110	EMIFLFLP 2000011098	LED edgepro round 18Watts, HSN Code: 9405	10	NO				Havells/ Equivalent or Higher	
111	EMIFLFLP 2000011099	LED edgepro square 18Watts, HSN Code: 9405	10	NO				Havells/ Equivalent or Higher	
112	EMIFLFLP 2000011123	LED lamp 28W pin type	25	NO				MAX/ Equivalent/ Higher	
113	EMIFLFLP 2000011130	LED post top fitting-Lantern 35 watt, with complete set.	45	NO				Syska/ Equivalent or Higher	
114	EMGESPSP 2000011167	Temp. gauge with transmitter 0- 150°,	5	NO				Precimeasure Control Pvt. Ltd./ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
115	EMIFLFFI 2000011483	LED, 45W streetlight with fitting	90	SET				Relaxo/LNG/ Equivalent or Higher	
116	EMIFLFFI 2000011508	LED Lamp, 34W, 230V, IP 65 with fitting	20	NO				MAX/ Equivalent/ Higher	
117	EMIFLFFI 2000011509	LED bulb, 23W, base type: B22, P-type	100	NO				MAX/ Equivalent/ Higher	
118	EMIFLFLP 2000011515	LED bulb, 9 W, P/type	130	NO				MAX/ Equivalent/ Higher	
119	EMIFLFLP 2000011516	LED Bulb, 30W, B22 P-type	30	NO				MAX/ Equivalent/ Higher	
120	EMIFLFLP 2000011519	LED Bulb, 26W, B22 P-type	100	NO				MAX/ Equivalent/ Higher	
121	EMIFLFFI 2000011630	LED Flood Light Lamp with fitting, 80W,	10	NO				Panasonic/ Equivalent or Higher	
122	EMIFLFLP 2000012600	LED lamp, 15W B22 P-type with holder	20	NO				Panasonic/ Equivalent or Higher	
123	EMIFLFLP 2000012708	LEB Bulb, 10W	50	NO				Bajaj/ Equivalent or Higher	
124	EMIFLFFI 2000012796	LED tube fitting 4'-T8, 20W with complete set	192	NO				Syska/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
125	EMIFLFFI 2000012797	LED Electronic driver, 35W	5	NO				Crompton/ Balaji/ Equivalent or Higher	
126	EMIFLFLP 2000012803	LED fitting, 36W Cat Rat LCPL 36TL	10	NO				Syska/ Equivalent or Higher	
127	EMGECHSP 2000012940	Nomex Paper (0.25x1000)-Gray Colour	30	NO				Dupond/ Equivalent or Higher	
128	EMIFTBTB 2000013232	Terminal CBT 170	60	NO				Femax/ Equivalent or Higher	
129	EMIFPTPT 2000013385	Plug top, 6A, 3Pin	32	NO				Anchor/ Equivalent or Higher	
130	EMIFLFFI 2000013397	LED Bulb, 20W, P-Type	60	NO				Syska/Phillips/ Equivalent or Higher	
131	EMIFLFFI 2000013729	LED Flood Light 100W	145	NO				Benlo/SS/ Equivalent or Higher	
132	EMIFLFFI 2000014164	PVC, Plastic, Electric batten holder,	20	NO				Anchor/ Equivalent or Higher	
133	EMIFLFLP 2000014207	Fluorescent Lamp for Industrial Fixture, Type Light Fixture, Type A, cat. No. TMS 122/228W, 28 W lamp	534	NO				Surya/ Equivalent or Higher	
134	EMIFLFFI 2000014416	Post lamp top, Type: ALPDP/RP- 70W SV	30	NO				Alba/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
135	EMIFPTPT 2000014943	Industrial socket with plug, 32A,415Vac	2	NO				Legrand/ Equivalent or Higher	
136	EMIFLFLP 2000014944	Inspection Hand lamp fitting. 230v, 50Hz, with bulb holder	10	NO				Havells/ Equivalent or Higher	
137	EMIFLFFI 2000015108	E40 High Power LED bulb, 250 W, Srew Typ	30	NO				To be specified	
138	EMIFLFFI 2000015601	LED Flood Light 200W	10	NO				Bajaj/ Equivalent or Higher	
139	EMCPPASP 2000015939	Diode Oring Module, 10A, Part No: NAN.NA-DOMS10-24@A	2	NO				Nandly-DO/ Equivalent or Higher	
140	EMIFPVFI 2000015943	PVC Clip, Saddle Clamp with Nail, 12mm, (Pack of 100 Pcs)	100	NO				Ravi/ equivalent or Higher	
141	EMIFTBTB 2000016020	Terminal Block, CST 16	110	PAK				ELMEX/ Equivalent or Higher	
142	EMIFTBTB 2000016021	Terminal Block, CST 35	60	PAK				ELMEX/ Equivalent or Higher	
143	EMIFTBTB 2000016022	Terminal Block, KUT 16 C-Type, 16mm2	110	PAK				ELMEX/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
144	EMIFTBTB 2000016023	Terminal Block, KUT 35 C-Type, 35mm ² , with cover, waterproof	60	PAK				ELMEX/ Equivalent or Higher	
145	EMIFTBTB 2000016024	Terminal Block, RBO 6/WA70, with bolt connection	60	PAK				ELMEX/ Equivalent or Higher	
146	EMIFLFFI 2000016030	Electronic Ignitor, SN 58/02	34	NO				CGL/Equivalent or Higher	
147	EMIFLFFI 2000016031	Electronic Ignitor, SI 51/02	60	NO				CGL/Equivalent or Higher	
148	EMIFLFFI 2000016032	Fluorescent Lamp Fitting, TCW450/2x28W	20	NO				Havells/ Phillips/ Equivalent or Higher	
149	EMIFLFFI 2000016033	Capacitor 43 MFD +/-5%, 250 VAC, IP: 1569, -25/85°C	43	NO				Havells/ Phillips/ Equivalent or Higher	
150	EMIFLFFI 2000016034	Capacitor 33 MFD +/-5%, 250 VAC, IP: 1569, -25/85°C	30	NO				Havells/ Phillips/ Equivalent or Higher	
151	EMIFSWSW 2000016035	Analog Timer, GIC time switch, 240 VAC, Model No: J648B1 for street light.	6	NO				L&T? Equivalent or Higher	
152	EMIFLFLP 2000016037	LED Light, Full Glow series RC380B G3, (decorative), Dimension: 595x595x68	40	NO				Bajaj/ Equivalent or Higher	
153	EMCIMEME 2000016742	Ammeter, 0-15-90 (15-90A cramp scale),	4	NO				AB/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
154	EMIFLFLP 2000017290	LED Color Bulb, 0.5watt, color: red type: pin	20	NO				Syska/ Equivalent or Higher	
155	EMIFMCMC 2000017292	MCB, DP, 63 A	10	NO				C&S/Havells/L egrand/Chint/ Equivalent or Higher	
156	EMIFMCMC 2000017334	MCB, 4P, 63A with enclosure	8	NO				Havells/ Equivalent or Higher	
157	EMIFMCMC 2000017335	MCB, SP, 4A	10	NO				Havells/ Equivalent or Higher	
158	EMCPPASP 2000017851	SMPS, TRIO-PS- 2G/3AC/24DC/20, SMPS, TRIO-PS-2G/3AC/24DC/20. INPUT:AC:3X 400-500V (- 20%/+15%.	1	NO				PHONENIX Contact	
169	EMIFLFFI 2000017861	LED Well Glass Light 70W	10	NO				To be specified	
160	EMCICOCO 2000017911	Power Contractor 1NO+1NC, LC1E120, 3Pol, 415V, 150A	1	NO				L&T/ Equivalent or Higher	
161	EMCICOCO 2000017912	Power Contractor, LC1E50, 3Pole,70A, 415V	1	NO				L&T/ Equivalent or Higher	
162	EMCICOCO 2000017913	Power Contractor,3Pole,415V,32A, MNX3	1	NO				L&T/ Equivalent or Higher	
163	EMIFPVFI 2000017917	PVC Clip, Saddle Clamp with Nail, 20mm	2	PAK				To be specified	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
164	EMIFLFFI 2000018517	LED Street Light, 90W	206	NO				Havells/Phillips /Equivalent or Higher	
165	EMELSPSP 2000018547	Metal Case Bridge Rectifier, 35A, 1000V, KBPC-3510	1	NO				SEP/ Equivalent or Higher	
166	EMIFTBTB 2000018553	Terminal Block, 2.5 mm.sq, Type C	80	NO				Phoenix/ Equivalent or Higher	
167	EMIFTBTB 2000018558	Connector Terminal, 100A, 4P, Bakelite Sheet, 4inch with Screw	40	NO				RMW/ Equivalent or Higher	
168	EMIFLFFI 2000018559	Polycarbonate Anchor Batten Holder, White Pin Type	50	NO				Havells/ Equivalent or Higher	
169	EMIFLFFI 2000018560	Polycarbonate Fancy Angle Holder, Glossy PC, Pin Type	50	NO				Havells/ Equivalent or Higher	
170	EMIFSOSO 2000018561	Combined Socket,6/16 amps, White, 2m	10	NO				Legrand Myline/ Equivalent or Higher	
171	EMIFPVFI 2000018563	Polycarbonate White Ceiling Box Cover, Plate, Round Shape	50	NO				Havells/ Equivalent or Higher	
172	EMIFSOSO 2000018585	Socket 24 mm	1	NO				Anchor/Havells /Phillips/ Equivalent or Higher	
173	EMIFSOSO 2000018586	Tubular Socket, 24x27 mm	1	NO				To be specified	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
174	EMIFLFLP 2000018623	LED CLA Bulb Screw Type 7W/220-240V AC, 7W/220-240V AC E27, Red	16	NO				To be specified	
175	EMGESPSP 2000018624	Carbon Brush (50.8x38.1x25.4) mm, CM5 grd. CM5H grd	40	NO				Assam Carbon Product Ltd/ Equivalent or Higher	
176	EMIFLFFI 2000018625	Brass B22 Lamp Holder	20	NO				To be specified	
177	EMIFPVFI 2000018626	Flexible Corrugated Conduit Pipe 3/4"	50	M				To be specified	
178	EMIFPVFI 2000018627	Flexible Corrugated Conduit Pipe 1 1/4"	50	M				To be specified	
179	EMGESPSP 2000018638	Carbon Brush Holder-Spring Load:1.8-2kgf	80	NO				Assam Carbon Product Ltd/ Equivalent or Higher	
180	EMIFLFLP 2000018643	Industrial LED High Bay Light UFO 50wat	3	NO				To be specified	
181	EMIFMCMC 2000018644	MCCB 125 amps Breaking Capacity 16KA, 4p, 415V	6	NO				To be specified	
182	EMIFPVFI 2000018645	PVC Flexible Pipe 1/2"	100	M				To be specified	
183	EMIFPVFI 2000018646	PVC Conduit Pipe 3/4"	100	M				To be specified	
184	EMIFLFFI 2000018647	PVC Gang Box 12ways	15	NO				Havells/ Equivalent or Higher	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
185	EMIFLFFI 2000018648	PVC Gang Box 16ways	15	NO				Havells/ Equivalent or Higher	
186	EMIFSWSW 2000018650	Electronic Time Switches, Legrand 412654, AlphaRex3 D 21 Astro.	6	NO				To be specified	
187	EMIFLFFI 2000018702	LED Flood Light, 120W 230V Wall Mounted	50	NO				To be specified	
188	EMGEKHSP 2000018710	Machining Gun Metal Bush, Grade: IS-317, OD: 120mm, ID 85mm, Length:70mm	4	NO				To be specified	
189	EMGEKHSP 2000018711	Machining Gun Metal Bush, Grade: IS-318, OD: 180mm, ID 145mm, Length: 70mm	2	NO				To be specified	
190	EMIFLFFI 2000018754	LED Lamp 3W	4	NO				Syska/ Equivalent or Higher	
191	EMELSPSP 2000018930	Elavator Door Sensor Transimetter	2	NO				M/s Vertical Technology/ Equivalent or Higher	
192	EMELSPSP 2000018931	Elavator Door Sensor Reciever	2	NO				M/s Vertical Technology/ Equivalent or Higher	
193	EMELSPSP 2000018932	Elavator Governor Limit Switch 10A, 415V, Type: LXR	2	NO				M/s Vertical Technology/ Equivalent or Higher	

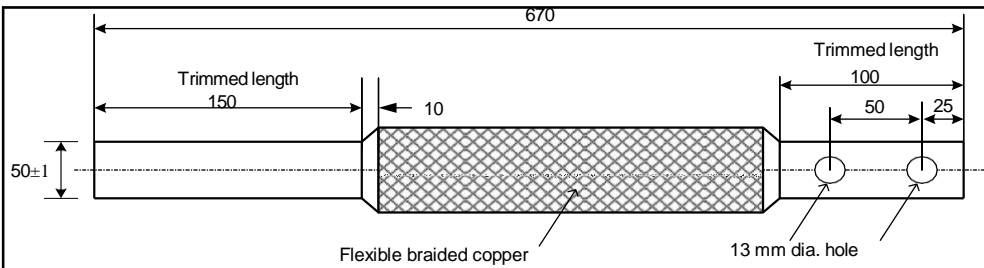
SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
194	EMIFMEFI 2000018934	MS Junction Box with Terminal Block, 2way, Din bar, Clamp, 2 ways entry, size-12x9x5 inches 3 mm thickness	114	NO				To be specified	
195	EMIFMEFI 2000018935	LED 120watt Street Light Fitting, IP66	30	NO				Syska/ Equivalent or Higher	
196	EMIFDBDB 2000018936	MCB Distribution Board, 16 Ways, HPL Single & Neutral Pole 16 Way MCB Distribution Board, MEXDBSD16	10	NO				To be specified	
197	EMIFPVFI 2000018941	Roma 3 Module Tresa Plate, ANCHOR Polycarbonate Roma 3 Module Tresa Plate (Standard Size, White)	20	NO				Roma/ Equivalent or Higher	
198	EMIFFLFP 2000018943	Round LED Panel Light, 300 dia x 26 H, 24Watt, Ceiling Mounted	12	NO				Syska/ Equivalent or Higher.	
199	EMIFTBTB 2000018944	Terminal Block Connector, CBT 110, Rating 1000V, 150A, 35 mm ² , Connector Screw M6, with Protective Cover, Channel mounted.	10	NO				Elemex/ Equivalent or Higher	
200	EMIFTBTB 2000018945	Terminal Block Connector, 4 pole, 100A, M6 Bolt, Block size (10 x 25 x 120) mm, red colour.	10	NO				Kits & Tools/ Frontier Control System/ equivalent or Higher	
201	EMIFDBDB 2000018947	FRP Junction Box, IP-65, (150x150x75) mm	20	NO				To be specified	
202	EMCIMEME 2000018955	Converter, 4-20mA, Input: 0-2800 Ohms, Output: Dual 4-20mA dc, Power supply: 90-260V ac/dc	5	NO				To be specified	

SN	Material Code	Description	Qty	UO M	UNIT RATE		Total Amount	Brand/ Make	Country Of Origin
					In Figure	In Words			
203	EMIFLFFI 2000018972	LED Tube 20 W	10	SET				Havells/ Phillips/ Equivalent or Higher	
204	EMCMEC 20000005958	SIPLUS S7-1200M SM 1221 16DI-25	6	NO				To be specified	
205	EMCMEC 20000005959	SIMATIC S7-1200, Digital output SM 1222	6	NO				To be specified	
206	EMLALALA 2000016490	Surge counter with leakage	5	NO				Raychem RPG/ Equivalent or Higher	
207	EMCMCA 20000003791	Water level sensor S0 - 0.4 bar 10000mm,	1	SET				Endress Hauser/ Equivalent or Higher	
208	EMELSPSP 2000017910	Elevator LOP with LED Display	6	NO				To be specified	
						Total amount:			

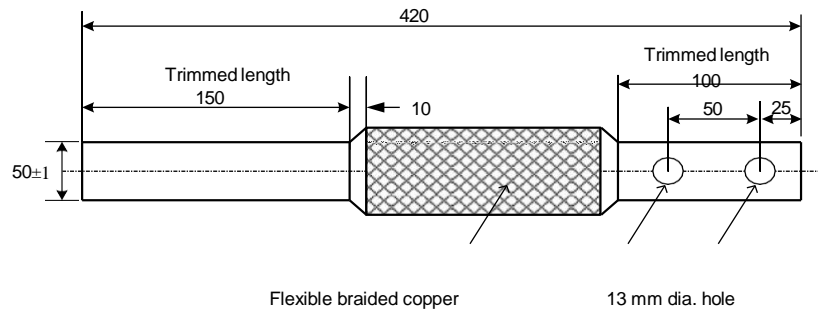
Total amount in words:

Figure 8.1. Picture of flexible braided copper jumper (from internet)

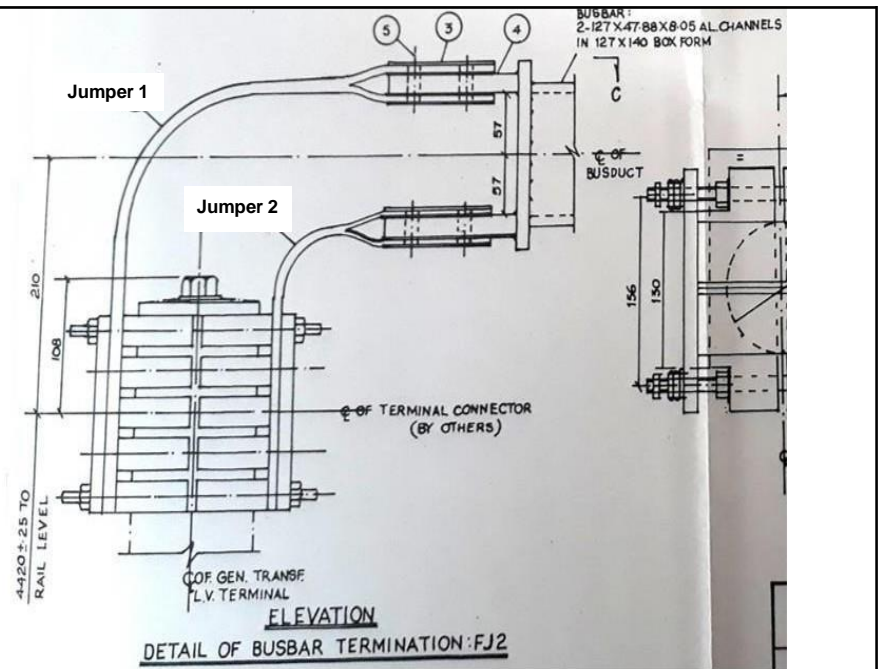




Drawing 1: Jumper A



Drawing 2: Jumper B



Drawing 3: Side view of Jumpers A & B
(from CHP-CR-III-305, WAPCOS)

Note:

All the dimensions are in mm
- Drawing is not as per scale

TECHNICAL REQUIREMENT

1. There will be 2 Nos. of Jumper A & 2 Nos. of Jumper B per connection at site. And there will be 1 No. of Jumper A and 1 No. of Jumper B in 1 set of Jumper.
2. The normal operating current in Sl. No. 1 shall be 3181.81 Amps (LV side, phase current of 35 MVA Transformer).
3. The rated voltage in Sl. No. 1 shall be 11 kV (LV side voltage of 35 MVA Transformer).
4. The thickness of trim length for Jumper A is 20 ± 1 mm.
5. The thickness of the trim length of Jumper B is 10 ± 1 mm.
6. The trim length where 13 mm dia. holes are located shall be divided into 2 halves as shown in Drawing 'C' to fit the bus duct.
7. Each electro tinned copper flexible braid will be of 30 SWG wire.
8. Ends are to be swaged and surfaces will be flat and free from blemishes.
9. Each flexible will be wrapped with polythene sheet.
10. Trimmed length will be silver plated.