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Tashi InfoComm Private Limited

TASHI INFOCOMM PRIVATE LIMITED (TIPL)

BIDDING DOCUMENT FOR THE SUPPLY OF

“Power Utility_AC Equipment for FY-2024_Q1”

Bidding Document Ref# TIPL/PRO-07/2024/ 101

Date: 01 / 02 / 2024



Address: P.O Box # 1502, Samten Lam, Thimphu, Bhutan
Phone : +975 77889977 Website : www.tashicell.com



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Tashi InfoComm Private Limited

SECTION-I INVITATION OF BIDS

Bidding Document Ref# TIPL/PRO-07/2024/101

Dated 01 / 02 / 2024

For supply of: **“Power Utility_AC Equipment for FY-2024_Q1”**

1. Tashi InfoComm Private Limited (TIPL) hereinafter referred to as the “Purchaser” invites sealed bids from the eligible Bidders for the supply of power utility and AC equipment for the FY-2024, Q1.
2. Interested Bidders may kindly visit our website www.tashicell.com to download the Bidding Document and obtain further information relating to the Bidding Document. Interested Bidders may also write to us at procurement@tashicell.com
3. All the expenses relating to the preparation and delivery of the Bidding Document are under the Bidders’ scope.
4. Any correspondence relating to the Bidding Document shall be made in writing or an email to the following address. Enquiries through telephone shall not be entertained.

Address for communication/contact.

Manager,
Procurement & Inventory Section,
Tashi InfoComm Private Limited,
Norzin Lam, Post Box No-1502,
Thimphu, Bhutan.

Email: procurement@tashicell.com; manager.procurement@tashicell.com;





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SECTION-II INSTRUCTIONS TO BIDDERS

1. Scope of Bid

- 1.1. The scope of this Bidding Document shall be the supply of Power Utility & AC Equipment for the FY-2024, Q1.
- 1.2. All the Bids are to be completed and submitted to the Purchaser in accordance with the Instructions to Bidders.

2. Eligibility & Exclusion

- 2.1. The invitation for Bid is open to all interested licensed national and global suppliers.
- 2.2. Bidders who do not have the requisite technical and financial capabilities to execute the supply of the Goods and Services stated in this Bidding Document shall NOT be allowed to bid.
- 2.3. Unless otherwise stated separately herein, the bidders are not required to furnish their financial and economic capacity to execute the supplies stated in this Bidding Document.
- 2.4. The Bidders are required to furnish their technical ability to execute these supplies stated in the Bidding Document.
- 2.5. Further, a Bidder shall be excluded from participation in this Bidding Document if:
 - i. A Bidder is Insolvent
 - ii. Is in receivership
 - iii. Is bankrupt
 - iv. In the process of being wound up
 - v. Has entered into an arrangement with the creditors
 - vi. Your business being administrated by the court, judicial officer, or a professional body
 - vii. Has not fulfilled its obligation of tax payment, or other dues in accordance with the laws of the country in which the bidder is established.
 - viii. If the bidder is debarred from participation in public procurement by any competent authority as per the relevant laws
 - ix. If the bidder has not fulfilled contractual obligations with the purchaser in the past.



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3. Cost of Bidding

- 3.1. The Bidder(s) shall bear all costs associated with the preparation and delivery of its Bids, and the Purchaser shall in no case be responsible or liable for those costs.

4. Bidding Documents, Alternative Bids, Modification, Withdrawal, Amendment and Cancellation of Bids

- 4.1. The purpose of this Bidding Document is to assist the interested Bidders in arriving at an informed decision on whether or not to submit a bid and to enable the interested bidders to prepare responsive bids.
- 4.2. The Bidding Document shall be made available through the Company website www.tashicell.com free of cost and shall be made secure to avoid any modifications to the Bidding Document without restricting access.
- 4.3. The minimum number of bid requirements shall be Three.
- 4.4. If the minimum number of bids received in response is less than three, the Management Tender Committee shall have the discretion to open the bids or not to open the bids. Such discretion to open the bids shall be justified by minuting the circumstances and situation for having exercised the discretion in the evaluation/comparative statement report.
- 4.5. The Management Tender Committee may also decide to extend the bid submission date and opening date based on the nature of the goods to be procured and their need-by-date. The Procurement Section shall notify the time extension through the company website and if necessary through mass media. The suppliers who have already submitted their bids shall be notified through email of the time extension and new bid opening date.
- 4.6. Further, the bidding process shall be considered valid irrespective of the number of bids received in response to this Bidding Document if:
- a) The due process on the invitation of bids has been exhausted and or
 - b) If the project is on high priority and time is considered very crucial.
- 4.7. Prior to the deadline for bid submission stipulated in the Bidding Document, Bidders who have already submitted their bids, upon submission of a written application to the Procurement Section (Manager, Procurement & Inventory Section, Tashi InfoComm Private Limited, Thimphu), may withdraw their bid or modify it. For the re-submitted bids, the Bidder shall write "Modified" on the envelope. The "Modified" bids have to be submitted within the submission schedule stated in the Bidding Document.
- 4.8. The bids withdrawn shall not be accepted again.





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- 4.9. Bidders shall not be allowed to withdraw nor modify the bids after the expiry of the date of submission of bids.
- 4.10. Unless the bids are unnecessary or do not give satisfactory results or there are major changes in the BOQ, TIPL shall avoid cancellation of the Bidding Document.
- 4.11. Bid Cancellation shall be justified if:
- The requested goods are no longer needed
 - There is a substantial change in the requirement
 - Funding or Budget is no longer available
 - The continuation of the Bidding process is no longer in the best interest of the purchaser.
- 4.12. The Procurement Section shall promptly notify all the bidders who already submitted their bids in writing, via telephonic conversation, email, or any other means of expedited delivery should it become necessary to cancel the bids prior to the closing date for bid submission. Further, the Procurement Section shall evaluate the necessity to return the Bidding Document and maintain confidentiality depending on the nature and sensitivity of the document.
- 4.13. TIPL reserves the right to amend or modify the Bidding document for any reason by the issuance of an addendum either on its initiative or in response to a clarification request from bidders prior to the deadline for submission of bids.
- 4.14. The notice for amendment shall be published on the mass media company website and requires all interested bidders to go through the amendment, which will be part of the Bidding Document and shall be binding on them.
- 4.15. It shall be the responsibility of the prospective/interested bidders to regularly visit the company website for any amendment to the Bidding Document until the last date of the Bid Submission.
- 4.16. A suitable clause in the General Terms and Conditions shall be included in the Bidding Document that the Purchaser shall in no way be responsible for any ignorance of the Bidder about the amendment to the Bidding Document.
- 4.17. Based on the nature of the amendment issued, the Procurement Section may extend the bid submission deadline allowing the bidders reasonable time for taking the addendum/amendment into account in the preparation of their bids.
- 4.18. The bidders seeking clarification shall do so within 3 days prior to the date of bid submission as per the terms and conditions specified in **Section III: General Terms & Conditions**.
- 4.19. The Bidder may submit alternative bids with the following documents in a separate envelope marked as "Alternative Bid for Tender No:-----".
- TIPL/RR0-07/2024/101 dt. 01-02-2024
- i) Price Schedule

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- ii) Datasheet
- iii) Product Catalogue
- iv) OEM Certificates, if required.
- v) Any other relevant certificates/specifications, etc.

5. Bid Prices

- 5.1. The Bidders shall complete the appropriate Price Schedule included herein, stating unit prices, extended amount, and the expected countries of origin of the Goods to be supplied, if applicable
- 5.2. Prices quoted by the Bidders shall remain fixed and valid for the period stated in **Section II, Clause 7** of the Bidding Document, and will not be subject to variation on any account.
- 5.3. The Bid Currency shall be Ngultrum (Nu) for this Bidding Document. Except for third-country Bidder(s), the Bidder(s) from the rest of the countries are not allowed to quote in US dollars or any other hard currency.
- 5.4. The third country Bidder(s) who quoted in US Dollars shall be converted into Ngultrum at the prevailing exchange rate (Selling TT rate of any financial institution OR RMA) as on the date of bid opening or the preceding date if the rate of exchange for date of bid opening is not available.
- 5.5. Bid price adjustment is not allowed in this Bidding Document.

6. Trade Terms

- 6.1. Unless otherwise stated, the following shall be the trade terms for this bidding document:
 - a) Bhutanese Bidders: DDP, TIPL Warehouse, Thimphu/Phuentsholing.
 - b) Indian Bidders: CIF, TIPL Warehouse, Phuentsholing.
 - c) Third Country Bidder: CIF, Kolkata, India.

7. Bid Validity

- 7.1. The Bids and the quoted price or unit rates shall be valid for 60 days from the date of opening of the Bids.
- 7.2. If the TIPL Tender Evaluation Committee is not able to complete the comparison and evaluation including the award of the contract due to reasons beyond its reasonable control,





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the Bids and its security including the validity of the security shall be extended without modification of its Bids.

- 7.3. Those Bidders not agreeing to the extension request shall be disqualified without forfeiting their Bid Security and the Bid shall no longer be considered for evaluation and award.

8. Taxes & Customs Clearance

- 8.1. Unless otherwise stated, the applicable taxes/duties/any other levy both within and outside Bhutan shall be under the scope of the Bidder.
- 8.2. The third-country Bidders or Bidders from India may exclude applicable taxes/duties while submitting the bid. The applicable taxes including customs clearance within Bhutan shall be under the scope of the Purchaser. However, applicable taxes/duties, etc shall be factored in during the time of evaluation to determine the final landing cost.

9. Evaluation & Comparison of Bids

- 9.1. The TIPL Tender Evaluation Committee shall evaluate and compare the Bids against the specifications, data, design, and any other criteria outlined in this Bidding Document to ascertain the lowest evaluated Bidder(s).
- 9.2. The Tender Evaluation Committee shall evaluate and compare the lowest evaluated bidders and their bids with the alternative Bids submitted for the particular bidding document. If found to be the best-evaluated bids, the alternative bids shall be considered for the award.
- 9.3. The evaluation and comparison shall not only be based on the quoted unit rates but also the datasheets, specifications, design, etc proposed by the Bidders,
- 9.4. The Tender Evaluation Committee & Management Tender Committee's evaluation decision shall be final and binding, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform and explain the affected Bidder or Bidders on the grounds of the evaluation decisions and reports. In addition, the performance of previous tenders with the Purchaser, if any shall also be factored in during the time of evaluation.
- 9.5. The lowest quoted unit rates alone do not guarantee the award of the contract/purchase order.
- 9.6. The evaluation shall be based on the respective line items and will not be considered as a single package.
- 9.7. The Procurement Section or Tender Evaluation Committee as relevant may proceed to negotiate with the qualified and acceptable lowest bidder (L1) or choose to negotiate with all

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of the Bidders to get the best offer and determine the lowest evaluated bid including for the international bids.

10. Award of Purchase Order/Contract

10.1. The Purchaser shall award the PO or supply contract to the Lowest Evaluated bidder(s) for the respective line-item(s).

11. Delivery

11.1. Delivery should be completed as per the given schedule:

- a) Within 60 days from the date of issuance of purchase order or signing of supply contract.
- b) The detailed terms & conditions shall be mentioned in the confirmed Purchase Order/Supply Contract.

11.2. The purchaser (TIPL) may provide delivery time extension beyond the actual delivery date taking into account the actual need-by-day and project schedule of TIPL. However, subject to the instruction and approval of the Management Tender Committee.

11.3. The Time Extension request/provided may not exceed 15 days at the maximum OR depend on the approval granted by the Management Tender Committee of the purchaser. The supplier has to send an email/in writing requesting a time extension with genuine reasons (along with supporting documentation).

11.4. Depending on the instruction and approval of the Management Tender Committee, the supplier may be levied or exempted from the LD.

12. Inspection of Goods:

12.1. The goods are subject to Physical Inspection upon delivery at TIPL Warehouse and testing & commissioning in due course of time. The Goods found to be faulty, DOA, or not meeting specifications/requirements of TIPL after the final inspection, installation, and testing shall be rejected at the cost of the bidder.

12.2. Depending on the nature of the goods, the Tender Evaluation Committee may call for the inspection of the bidder's factories as part of the Bid Evaluation or Feasibility study. The cost for such shall be borne by the Purchaser. The Procurement Section shall notify in writing on which the inspection will be made if required.





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13. Warranty (If applicable)

- 13.1. The Warranty shall be a minimum of 12 months from the date of delivery OR the standard manufacturer's warranty, whichever is longer.

14. Payment

- 14.1. The Payment shall be made 100% against delivery within 7 working days from the date of receiving the Bill/Invoice.
- 14.2. Advance payment up to a maximum of 30% of the total PO value may be released at the Purchaser's discretion against furnishing an equivalent amount of bank guarantee for the advance payment valid 3-6 months beyond the delivery deadline.

15. TDS/FCT

- 15.1. TDS (Tax Deduction at Source) and or FCT (Foreign Contract Tax) shall be deducted as per the existing Rules and Regulations of the Department of Revenue & Customs, Bhutan (wherever applicable).

16. EMD (Earnest Money Deposit)

- 16.1. The bidder should submit **not less than 2% of the total quoted value** as part of the EMD along with the Bid in the form of a Demand Draft or Bank Guarantee from any of the financial institutions located in Bhutan. The bidder(s) other than Bhutanese national can furnish EMD from the financial institutions in their respective countries OR from any of the Bhutanese Financial Institutions. The EMD may be directly deposited into the Purchaser's bank account (please contact the Purchaser requesting bank details via email).
- 16.2. The bidder(s) failing to submit the EMD as per the requirement shall result in the rejection/cancellation of their bid.
- 16.3. The EMD shall be valid for 30 days beyond the submission deadline of the bidding document. The EMD should be drawn in favor of "**Tashi InfoComm Private Ltd., Samten Lam, Thimphu, Bhutan**".
- 16.4. EMD of unsuccessful bidder(s) shall be returned within 15 days after the finalization of the Bid.
- 16.5. EMD shall be forfeited if:
a) A bidder withdraws its bids prior to the finalization of the bids in every respect.

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- b) The successful bidder fails to submit Performance Security as per the terms specified in the bidding document.
 - c) The successful bidder fails to sign a contract or issue acceptance acknowledgment of purchase or work order within the prescribed time.
 - d) If a bidder does not accept the arithmetical corrections of its bid price.
- 16.6. EMD of the successful bidder shall be returned promptly upon submission of Performance Security.

17. Performance Security

- 17.1. The successful bidder should submit not less than 10% of the total purchase order value as Performance Security within 14 days after the issuance of the letter of acceptance and before the signing of the contract if required.
- 17.2. Performance Security shall be drawn in favor of “**Tashi InfoComm Private Ltd, Thimphu**” in the form of a Demand Draft or Bank Guarantee or can be deposited directly into the purchaser’s bank account(contact purchaser via email requesting bank details).
- 17.3. Performance Security shall be valid for **3 months beyond** the warranty period from the date of issuance of performance security by the financial institutes.
- 17.4. Failure of the successful bidder to submit the Performance Security within the prescribed time shall constitute sufficient grounds for the annulment of the issued purchase order and forfeiture of EMD. The purchase order may be issued to the second-lowest evaluated bidder.
- 17.5. Performance Security shall be returned within 1 week from the date of successful completion of all obligations under the issued Purchase Orders or after the expiration of the warranty period whichever is longer.
- 17.6. Performance Security shall be forfeited if:
 - a) The successful bidder fails to execute the supplies/works as per the terms and conditions stated in the purchase order in any manner deemed unsatisfactory by the purchaser (TIPL) or the end-user(s).
 - b) The successful bidder fails to deliver the goods on the given deadline and is not recommended by the end-user(s) for a time extension or replacement.
 - c) The goods supplied do not conform to the specifications/brands/requirements, etc stated in the purchase order/BOM.
 - d) If the bidder fails to remedy any reported defect within the warranty period, the purchaser shall be entitled to forfeit the performance security or to remedy the defect at the expense of the supplier.





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18. Liquidated Damage (LD) Penalty

- 18.1. The Liquidated Damages shall be levied on the quantity of supplies delayed beyond the scheduled delivery deadline. LD shall be calculated on the total value of the items for which supplies have been delayed.
- 18.2. The LD penalty shall be charged at 0.1% per day of delay on the unexecuted value of supplies. The total amount of LD shall not exceed 10% of the total PO value.

19. The purchaser Right

- 19.1. The Purchaser reserves the following rights without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform and explain the affected Bidder or Bidders on the grounds of the Purchaser's action:
- The right to accept or reject any Bid and reject all the Bids at any time prior to issuance of Award Notification and or Purchase Order.
 - The right at the time of award of the purchase order to increase or decrease the quantity of Goods specified in the Bidding Document, without any changes in the price or other terms & conditions (not exceeding 25% of the indicated quantity in the Bidding Document).
 - The right to reject all or in part, the item supplied during the time of physical inspection/testing or found to be non-standard/non-specific/unreliable in terms of quality/not meeting specification.
 - The right to direct negotiation, call quotations and receives the same via email from the manufacturers; authorized distributors; authorized dealers; and frequent supplier(s) of similar goods in Bhutan/India/China/Other countries to compare the rates with those offered by the vendors through this Bidding Document. If need be, to procure directly. The Purchaser also reserves the right to negotiate with the lowest evaluated bidder(s) or all of the bidders at any time prior to the award of the Purchase Order/Signing of the Supply Contract.
- 19.2. Should the selected Bidder(s) fail to supply the full order quantity within the given deadline, the purchaser reserves the right to cancel the quantities not supplied and place an order to the Second Lowest Evaluated Bidder. In such a case, the Purchaser shall recover as part of Liquidated Damages, the difference amount between the purchase order rate and the actual rate paid to the second-lowest evaluated bidder for the quantities not supplied. The amounts shall be either adjusted from the Performance Security or bill/invoice amount of the supplied quantity.



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20. Force majeure

20.1. Force Majeure shall mean such unforeseeable occurrences beyond the control of the Purchaser and Bidder which occur after the date of issuance of Purchase Order or signing of Supply Contract and which were not reasonably foreseeable at the time of issuance of Purchase Order or signing of Supply Contract and which effects are not capable of being overcome without the unreasonable expense and/or loss of time to the Purchaser and the Bidder concerned, including, provided that the aforementioned conditions are met, but not limited to:

- i) Natural catastrophes, earthquakes
- ii) Strikes and blockages
- iii) War or war-like conditions, mobilizations, revolutions or riots, the act of Public enemy, sabotage, terrorism.
- iv) Restriction by actions, omissions, or interventions from Public Authorities (including but not limited to changes in laws, regulations, import/export, security restrictions).
- v) The Party who wishes to plead Force Majeure shall inform the other party of the First party's perception of the effects of such force majeure on the fulfillment of the issued purchase order/signed Supply Contract. Should any event of force majeure cause an increase in the time required for the performance of any part of the purchase order/signed Supply Contract, an equivalent adjustment shall be made in the time required for performance.

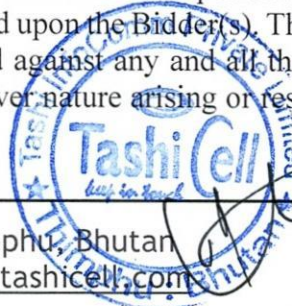
However, if the force majeure situation continues for more than two months, the purchaser and bidder shall decide whether the contract should be terminated.

21. Termination

21.1. In the event of any failure by the Bidder to perform any of its obligations under the issued purchase order or signed Supply Contract or upon unsatisfactory performance, the purchaser may choose to terminate the purchase order or signed Supply Contract by giving a prior written notice of Fifteen (15) days, without any obligation to the Bidder. However, the purchaser shall pay the actual due amount for the quantity supplied and accepted by the Purchaser to the Bidder on termination of the issued purchase order or signed Supply Contract.

22. Indemnity

22.1. The bidder(s) shall comply with all the laws in force in Bhutan and outside. The laws will include all national, provincial, municipal, or other laws that affect the performance of the issued purchase orders or signed Supply contracts and bind upon the Bidder(s). The Bidder(s) shall indemnify and hold harmless the Purchaser for and against any and all the liabilities, damages, claims, fines, penalties, and expenses of whatever nature arising or resulting from the violation of such laws by the Bidder(s).





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23. Dispute Settlement

- 23.1. If any dispute should arise in connection to the issued purchase order or signed Supply Contract, the Parties shall try to settle any such dispute through good faith and negotiations including escalation to senior Management where each party deems it appropriate. If negotiations fail, the matter shall be referred to the Court of Law.

24. Governing Law and Jurisdiction

- 24.1. The terms and conditions in this Bidding Document or issued Purchase Order or signed Supply Contract shall be read and construed in accordance with the laws of the Kingdom of Bhutan and the District Court of Thimphu, Bhutan shall have jurisdiction over any disputes arising out of the Contract.





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SECTION-III GENERAL TERMS & CONDITIONS:

- 1) In this Bidding Document, the following terms shall be interpreted as indicated below:
 - i) The Bid: An offer to supply goods, services, or works made as per the terms and conditions set out in the invitation for such bids in the Bidding Document. The term “Bid” is synonymous with the term “Tender”.
 - ii) The Bidder: Any eligible individual or legal entity who participates in the competitive bidding process.
 - iii) Bidding Document: The set of documents issued by the TIPL to potential bidders in which the proposed procurement specifications, terms, and conditions are prescribed. The terms “Bidding Document”, “Tender Document”, “Bid Document” and “Request for Proposal” shall be synonymous.
 - iv) Bill of Quantities (BOQ): The list of units and unit rates of the goods and services proposed for tendering purposes.
 - v) Day: Calendar Day
 - vi) Earnest Money Deposit (EMD): The deposit taken by TIPL along with the bid to ensure the capability of the bidder to perform their obligations under the bid. The term “Bid Security” shall be synonymous with the term “EMD”.
 - vii) Invitation of Bids: A document published or notified by TIPL, which informs potential bidders that it intends to procure goods, services or works.
 - viii) Lowest Evaluated Bid: The bid that offers the best value of money if evaluated based on various objective criteria set out in the Bidding Document. It shall not necessarily mean the “Lowest quoted price”.
 - ix) Liquidated Damage (LD): The amount that the supplier agrees to pay as damages if the party breaches an obligation, such as delay in delivery.
 - x) Price Schedule: A summary of quantity, measurement unit, unit price, and extended price of items to be procured under the contract or issued purchase order.
 - xi) Management Tender Committee: A committee responsible for supervising and ensuring that the procurement procedures outlined in this Bidding Document and or TIPL procurement manual are followed.
 - xii) Tender Evaluation Committee: Committee responsible for opening and evaluating bids.





བགྲིས་བད་དོན་བརྒྱུད་འབྲེལ་སྒྲེང་ཚད་འཛིན།།

Tashi InfoComm Private Limited

2) Bid Submission & Opening Schedule

- 2.1 The Bids should be submitted in a sealed envelope (Single Envelope Method- **copy not required**) addressed to “**Manager, Procurement & Inventory Section, TIPL** against Reference No. TIPL/PRU- 07/2024/101..... dated 01/02/2024.....”.
- 2.2. **Bid Submission Date & Time:** 11:00 AM, 28/02/2024 .
- 2.3. **Bid Opening Date & Time:** 2:00 pm, 28/02/2024 .
- 2.4. Bidding Documents received after the deadline (time & date of submission) shall not be accepted and opened during the bid opening. The Bids shall automatically stand as “Rejected”.
- 2.5. The Purchaser shall not be responsible for any damages, losses, breakages, or shortages of any items while in transit for delivery of Goods to TIPL Store/warehouse.
- 2.6. The Bidder should enclose a Xerox copy of a valid Trade License, Tax clearance, Power of Attorney, and other relevant documents.

3) Clarification on Bidding Document

- 3.1 The Bidders are NOT allowed to seek any clarifications on the Bidding Document in person.
- 3.2 A prospective/interested bidder requiring any clarification of the Bidding Document may notify the Procurement Section in writing within 3 days prior to the last date of bid submission.
- 3.3 The Procurement Section shall respond to all the bidders as an addendum or amendment to the Bidding Document or to a bidder who sought further clarification through electronic means within 2 days from the date of receiving the request for clarification.
- 3.4 Any bid clarification request received after the last date of bid clarification shall not be accepted.
- 3.5 The bidder(s) are expected to examine the Terms and Conditions stated in the Bidding Document, Bill of Materials, Specifications, Drawings, etc furnished along with the Bidding Document. Once the bids are submitted by the bidder(s), It shall mean:
- a) The bidder(s) have examined, read, and accepted all the terms and conditions stated in the Bidding Document, the specifications of the goods/services, Drawings/Designs, etc furnished in the Bidding Document. Thereafter, no grievance, complaints, etc (whatsoever nature may be) shall be accepted.
- 4) The Bids not substantially responsive to the Bidding Document in every respect will result in the rejection of the Bids.

Address: P.O Box # 1502, Samten Lam, Thimphu, Bhutan
Phone : +975 77889977 Website : www.tashicell.com





བགྲིས་བད་དོན་བརྒྱུད་འབྲེལ་སྒྲེ་ཚད་འཛིན།

Tashi InfoComm Private Limited

- 5) For any complaints or grievances, the bidder(s) may write directly to the Management Tender Committee of the Purchaser through email. The Email ID is **procurement@tashicell.com**.
- 6) Product samples, catalog/brochures containing details of technical and functional specifications shall be submitted along with the Bids wherever applicable. Failing which, shall result in rejection of the Bidding Document.
- 7) If the EMD amount is insufficient, the Bids shall automatically stand as “Rejected”.
- 8) The Bidders shall be permitted to submit bids by registered post or courier by hand or through electronic means.
- 9) Bidders are advised that the bids be delivered in an envelope (Marked as **“ORIGINAL” OR “ALTERNATIVE BIDS” OR “MODIFIED”**) sealed with adhesive tape or other sealants, which will prevent them from reopening, addressed to the appropriate addressee, and be marked as **“Confidential”, “Name of the Supply”, “Tender Number”,** and the words **“DO NOT OPEN BEFORE”** the specific date, month and time. **DO NOT SUBMIT A “COPY”**. However, bidders are advised to maintain a photocopy of their bidding document (sealed and signed copy) before submitting it to the purchaser and produce the copy during any event of discrepancies.
- 10) The decision of the Corporate/Management Tender Committee shall be final and binding.





བགྲིས་བཅད་དོན་བརྒྱུད་འབྲེལ་སྒྲིག་ཐོན་སྐྱོང་འཛུགས་ལུགས་ལེ་སྐོར་ལོ་རྒྱུས་ལྷན་ཁག་།།

Tashi InfoComm Private Limited

SECTION-IV

The complete **Bill of Materials (BOM)** is as stated in **Appendix I**. The Bids should be submitted in the below format in your company Quotation Form.

Appendix-I:

S/L	Description	UoM	Qty	Unit Rate	Amount
1.	1. Details as given in Appendix I				

Total

Note:

1. Please attached details of the technical and functional specifications along with the Bidding Doc. Failing to do so, will result in the rejection of your bidding document.
2. Mention the Country of origin of goods in the bidding document.
3. For the submission of sample, refer the BOQ Remark column.



Appedix-I: Bill of Materials_Power & Utility_2024

S/L	Description	Specifications	Model/Brand	UoM	Qty	Department/Section	Remark
1	Portable Airconditioner	Airo Comfort Portable Air Conditioner 14000 BTU		Set	2	HRAD & Audit Unit	
2	Free Cooling Unit	Free Cooling Unit (Ventilation), 48Volts DC operating system. The controller should be able to control operation between FCU and Air conditioner base on the preset value (Above 18 DegC to 25DegC Ventilator should operate and when temperature goes above 26DegC AC should start and vice versa) . The set includes additional 3 sets of filters for both Inhouse and exhaust units.	Brand: Icon/BSMC/Equivalent	Sets	22	AND	
3	Air Conditioners	1.5 Ton Split Type, R-32 including mounting brackets/kits for ODU and IDU. The Tubing materials between IDU and ODU should be pure copper.	LG or Equivalent	Sets	23	AND	
4	Lighting Bulb	Halogen Bulb, 15Watts, 230-240VAC, Sample can be collected from TICL HQ		Nos.	50	AND	
5	Lighting Bulb	Halogen Tube, 36 watts, 4 Pins, Sample can be collected from TICL HQ office		Nos.	50	AND	
6	Socket	Power socket, 16amps with indicator		Nos.	30	AND	
7	Socket	Power socket, 10amps without indicator		Nos.	30	AND	
8	CFL Lamp	CFL Lamp, 10 watts, 240VAC		Nos.	40	AND	
9	Tube Rod	Tube rod Starter		Nos.	150	AND	
10	Tube Rod	Tube Rod, 1.2m Length, 2650 Lumens, Philips Brand		Nos.	50	AND	
11	Copper Wire	4mm2 copper wire(Red)		Mts	270	AND	
12	Copper Wire	4mm2 Copper wire(Black)		Mts	270	AND	
13	Copper Wire	1.5mm2 Copper wire(Green/Yellow)		Mts	180	AND	
14	Copper Wire	2.5mm2 Copper wire(Red)		Mts	270	AND	
15	Copper Wire	2.5mm2 Copper wire(Black)		Mts	270	AND	
16	Insulation Tape	Insulation Tape (Mix Colour)		Nos.	500	AND	
17	Marking Cloth	Marking cloths		Mts	1000	AND	
18	Energy Meter Enclosure	Outdoor Type with steel din rail for mounting.	Model# KG9003 Hansel.	Nos.	12	SPPD	
19	2x50sq.mm ABC Cable	1.1KV, Unarmoured, inner sheathed, 2x50sqmm aluminium ABC cables, without messenger wire, XLPE insulation, nominal thickness of 1.4mm, Nos of strand 6, minimum inner sheath thickness 0.30mm, nominal outer sheath thickness 2.0mm. The cable should be based on Bhutan Power Corporation (BPC) Standard with product test report (Should have UV test result as well). Each drum should consist of 500m each.		Mtrs	7200	SPPD	1mtr sample required
20	35sq.mm UG Cable	UG Cable, 35 sq mm, Armored, Aluminium Core, The cable should be based on Bhutan Power Corporation (BPC) Standard with product test report (Should have UV test result as well). Each drum should consist of 500m each.		Mtrs	2400	SPPD	1mtr sample required
21	I-Hook (m16).	I-Hook/Hook bolt for pole, Made of galvanized steel designed for main and service clamp.Fixed length by welded, flat or bended washers.	Brand Preferable : BPC standards	Nos.	66	SPPD	1 No. sample required
22	Suspension Clamp	Suspension clamp (SPC) for ABC bundle conductor line. Clamp for hanging ABC cable. Cable size 2x (50-150)sq mm	Brand Preferable : BPC standards	Nos.	180	SPPD	2 No. sample required
23	Dead End Clamp/Low voltage tension clamp.	Tension Clamp for termination of 2 overhead cables. Designed to anchor self supporting LV ABC lines from 2 cores of airdac cable. Cable size=2*(25-50)sq.mm. The item should have the pull out tension of not less than 16KN	Brand Preferable : BPC standards	Nos.	227	SPPD	3 No. sample required
24	Pole	7.5m GI Steel Tubular Pole with three 18mm dia holes. Should be Galvanized.		Nos.	48	SPPD	
25	Stay Set	Stay Set to support electric Pole, Galvanized (Should include Anchor Plate, Anchor Rod, Turn Buckle Bow, Eye Bolt Rod, Stay Set Pole Clamp)	Brand Preferable : BPC standards	Set	18	SPPD	1 set sample required.
26	Stay Wire	Stay Wire, 16mm for LT, Galvanized, ISO9001	Brand Preferable : BPC standards	Mtrs	180	SPPD	1 mtr sample required



EASY TO INSTALL



Airo Comfort Portable Air Conditioner

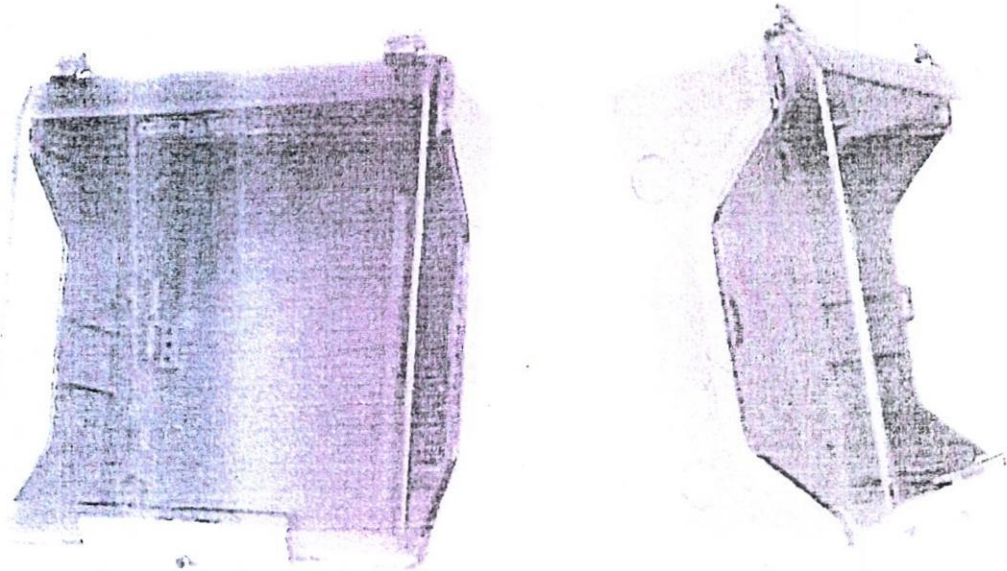
Functions	3-in-1 Functions: Cooling, Fan, Dehumidifier
Timer	Energy Efficient Sleep Mode, 24-Hour ON/OFF timer
Scandinavian Design	Portable Compact Space Saving
LED Display	2 x LED Control Panels for Simple Operation
LCDI	LCDI (Leakage-Current Detection and Interruption) Plug to Reduce Risk of Fire
Wing Swing	Automatic Wing Swing Motion
Noise Level	dBA Level 50dB
Effective Cooling	Cooling very quickly
Control	Touch Panel Control and Includes Remote Control
Fan	3 Fan Speeds

Warm Reminder :

- Before first use, allow the unit to sit UPRIGHT for at least 24 hours if your unit has NOT been stored and transported in an UPRIGHT position.
- Turning AC unit OFF and ON again will trigger a 3-minute delay before cool air output resumes. This protects the internal compressor and is totally normal operation.



Energy Meter Enclosure, Outdoor Type with steel din rail for mounting, Brand Hansel, Model KG9003
(Transparent)



Section V- Schedule of Supply

3.2.4 Construction

- (a) The cores shall form a bundle, which comprises three single cores of insulated aluminium twisted together, for phase and Support Catenary. All conductors shall conform to IEC 61089. The line tension shall be distributed among the three conductors.
- (b) Each core shall be insulated with extruded cross-linked thermosetting polyethylene (XLPE) conforming to IEC 502. The three phase conductors shall be marked by longitudinal ridges formed from the insulation material. The cores shall be twisted together with a right hand lay. The pitch of laying shall be such as to allow easy separation of conductors when making connections, but also to maintain the bundle cohesion at angle points on the line route.
- (c) The cable shall be rated as specified in the price schedule.
- (d) Cables shall be supplied on drums, in one continuous length. Drum details to be per this Specification.
- (e) Support Catenary – Required support catenary GI wire of 19/2mm (10dia) shall be provided to support HV ABC cables.

3.2.5 Conductor Splices

The aluminium rods may be spliced by resistance butt-welding or by cold pressure butt welding before drawing, provided the manufacturer can guarantee that the splice will develop 90% of the tensile strength of the unspliced rod. Wires which break during stranding may be spliced by resistance butt welding or by cold pressure butt welding, provided that:

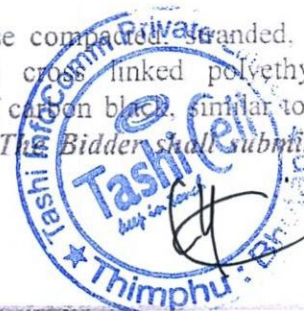
- (a) No two splices in the completed conductor occur within 15m of each other and no two splices in any individual wire are less than 150m apart.
- (b) The wire near each resistance welded splice is annealed to such an extent that on testing the whole conductor to destruction the unspliced strands will break first; and
- (c) The splice shall be done in a neat and workman like manner. The finished splice shall be smooth and at no point shall the cross sectional area is less than that of the unspliced wire.

Splicing of the aluminium wires on the stranding machine in order to utilise short lengths of aluminium wire, which may be on the reel, shall not be permitted.

4.0 LV Aerial Bundled Conductor

4.1 General

The design of aerial bundled conductors shall comprise compacted, stranded, hard drawn aluminium phase conductors with dry cured cross linked polyethylene insulation, 0.6 to 1kV class, having not less than 2% of carbon black, similar to that specified in CENELEC Harmonisation Document 626. *The Bidder shall submit the*



Section V- Schedule of Supply

XLPE Insulation test results towards test being passed for UV Weathering test with the type test report.

All of the Aerial Bundled Conductors required shall be Fully Supported Cable, where all the equal-sized phase and neutral cores share the mechanical load. The cable shall be XLPE insulated and rated for 0.6/1kV. The bundle shall have a right-hand lay.

Two types of Aerial Bundled Cable are required as follows, 4-core and 2-core:

Conductor	Conductor Size (mm ²)	
Phase and Neutral	95 & 120	50
XLPE Insulation thickness	2 mm (minimum)	1.6 mm (minimum)

The characteristics of the required Aerial Bundled Conductors are set out hereunder.

- a. Fully supported LV ABC 660/1100 Volt grade, 4 core, 120, 95 & 50 sq.mm XLPE insulation with Al conductor.
- b. Fully supported LV ABC 660/1100 Volt grade, 2 core, 95 & 50 sq.mm XLPE insulation with Al conductor.

4.2 Construction

The cores shall form a bundle, which comprise four (and two) single cores of insulated aluminum twisted together, for phase and neutral conductors. All conductors shall conform to IEC 1089. The total pull of the line shall be distributed among the four (and two) conductors.

Each core shall be insulated with extruded cross linked thermosetting polyethylene (XLPE) conforming to IEC 502. The three phase conductors shall be indelibly marked with one, two or three, as appropriate or longitudinal ridges formed from the insulation material. The cores shall be twisted together with a right hand lay. The pitch of laying shall be such as to allow easy separation of conductors when making connection but also maintain the bundle cohesion at the angle points on the line route. The cable shall be rated for 600/1000V. Cables shall be supplied on drums, in one continuous length.



Section V- Schedule of Supply

2.0 LV ABC Accessories

2.1 Pole Accessories

The following accessories are required for the installation of the LV aerial bundled cables.

- a) Suspension assembly (including angles up to 30 deg)
- b) Large angle assembly (angles over 30deg.)
- c) Dead end assembly
- d) End caps

Each assembly shall be delivered complete with all necessary devices suitable for attachment to round steel poles by stainless steel strap. All metal fitting shall be of good quality galvanized mild steel or cast aluminum alloy. Each of the suspension/angle/dead end assemblies shall be supplied with a 1.75 m of stainless steel trap with two buckles.

Bundled end protection shall be provided for protecting cable dead ends and shall comprise a set of heat shrinkable polymeric terminal caps for fitting on each conductor, together with protective black PVC sleeve of 500mm length.

2.2 LV ABC Connectors

The following connectors are required for the connection of LV aerial bundled conductors.

- (a) Insulated service/tee-off connection (IPC Connector)
- (b) Insulated tension jointing sleeve
- (c) Insulated connectors between ABC and PVC cables

Bundled conductor connectors are required for connection of service cables to bundled conductors, for tee-offs of bundled conductors and for connection to PVC cables. The connections shall be insulated and suitable for use on live lines. The teeth of the contact plates shall penetrate the bundled conductor insulation to establish contact with ABC cable without the need to strip the bundled conductor insulation. The connector shall be suitable for copper or aluminum tee-off conductor. Bidder shall describe the method used to ensure that the contact plates make adequate contact with the main conductor. The Tee-off shall be capable of removal and subsequent re-installation.



Section V- Schedule of Supply

The range of connector for ABC to ABC and for ABC to service cable shall be as follows:

Main conductor size(mm ²)	Tee-off Conductor Size (mm ²)
120	95, 50
95	95
95	50, 16, 10, 6, 4
50	50
50	10, 6 & 4

The range of connector for ABC to PVC cable shall be as follows;

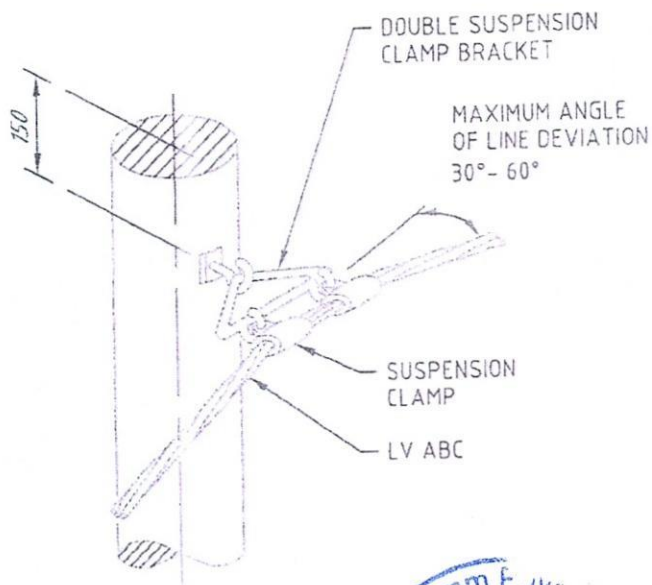
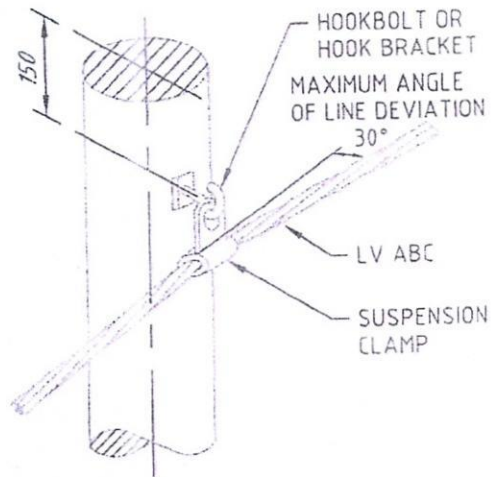
LV ABC Cable	LV PVC Cable
50mm ² XLPE	4C x 16mm ²
	4Cx 50mm ²

Insulated tension jointing sleeves shall be provided for the bundled conductors and service cables. These shall be of the compression type, but compression shall not damage or displace the sleeve insulation. The sleeve connectors shall design to have the full rate breaking strength of the aluminum or aluminum alloy cable on which they are fitted.

2.3 LV service dead-end Clamps

An open sided stainless steel wedge clamp or similar dead-end be supplied for dead ending two core service conductor cables at the pole and the consumer premises. The clamp shall be suitable for the LV service cables. Above and shall have a pull out tension of not less than 16 kN.





NOTES

1. DIMENSIONS AS SHOWN ARE IN mm.
2. DRAWING IS NOT TO SCALE.



ENGINEERING & DESIGN DIVISION

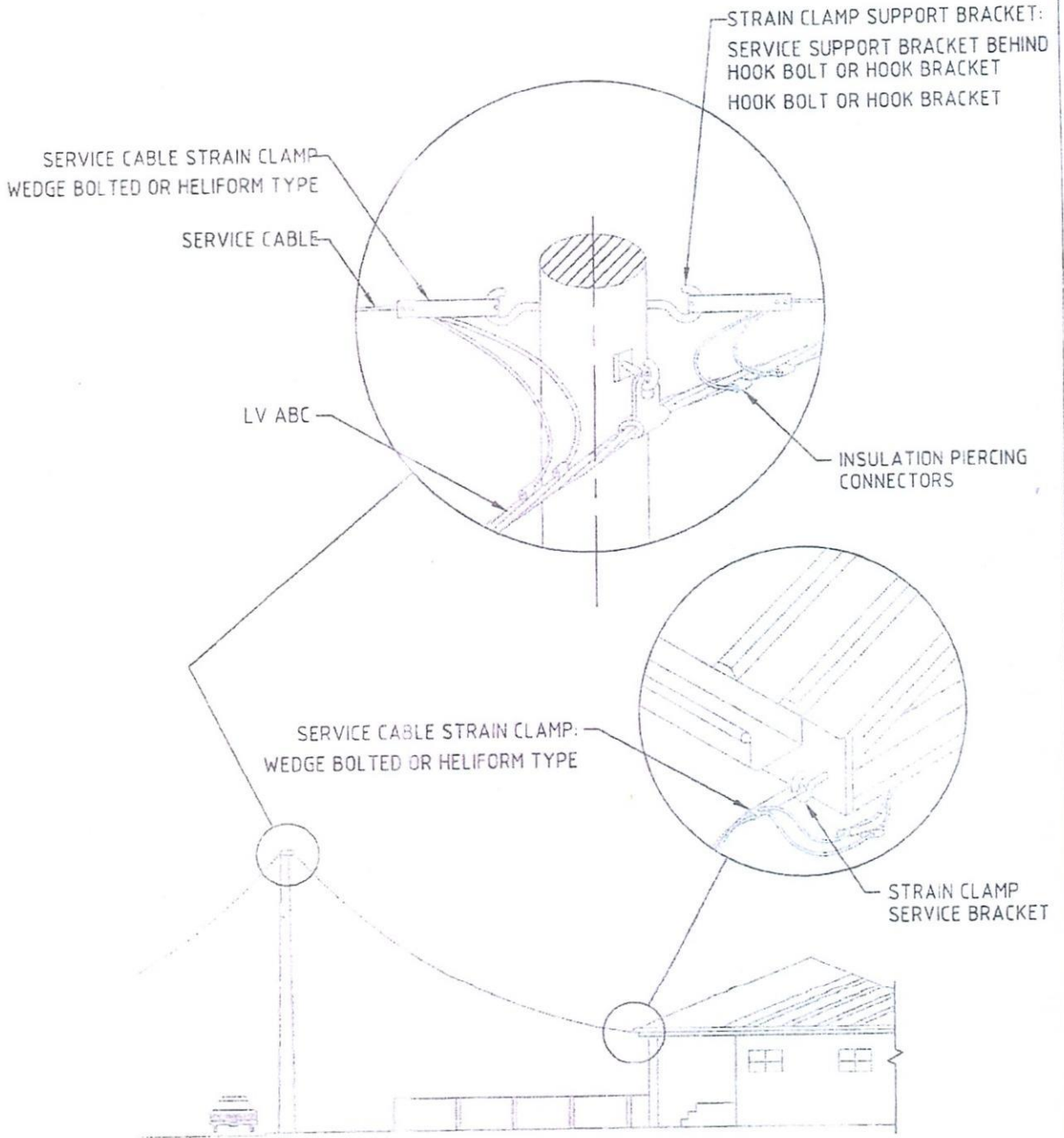
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LV ABC
 INTERMEDIATE & ANGLE POLES DETAILS

DESIGNATION	NAME	DATE
DRAFTSMAN		
DESIGNER		
DESIGN CHECK		
PROJECT MANAGER		
PROJECT DIRECTOR		

DRAWING NO. BPC-DCS-010

REV.



NOTES

1. DIMENSIONS AS SHOWN ARE IN mm.
2. DRAWING IS NOT TO SCALE.



ENGINEERING & DESIGN DIVISION

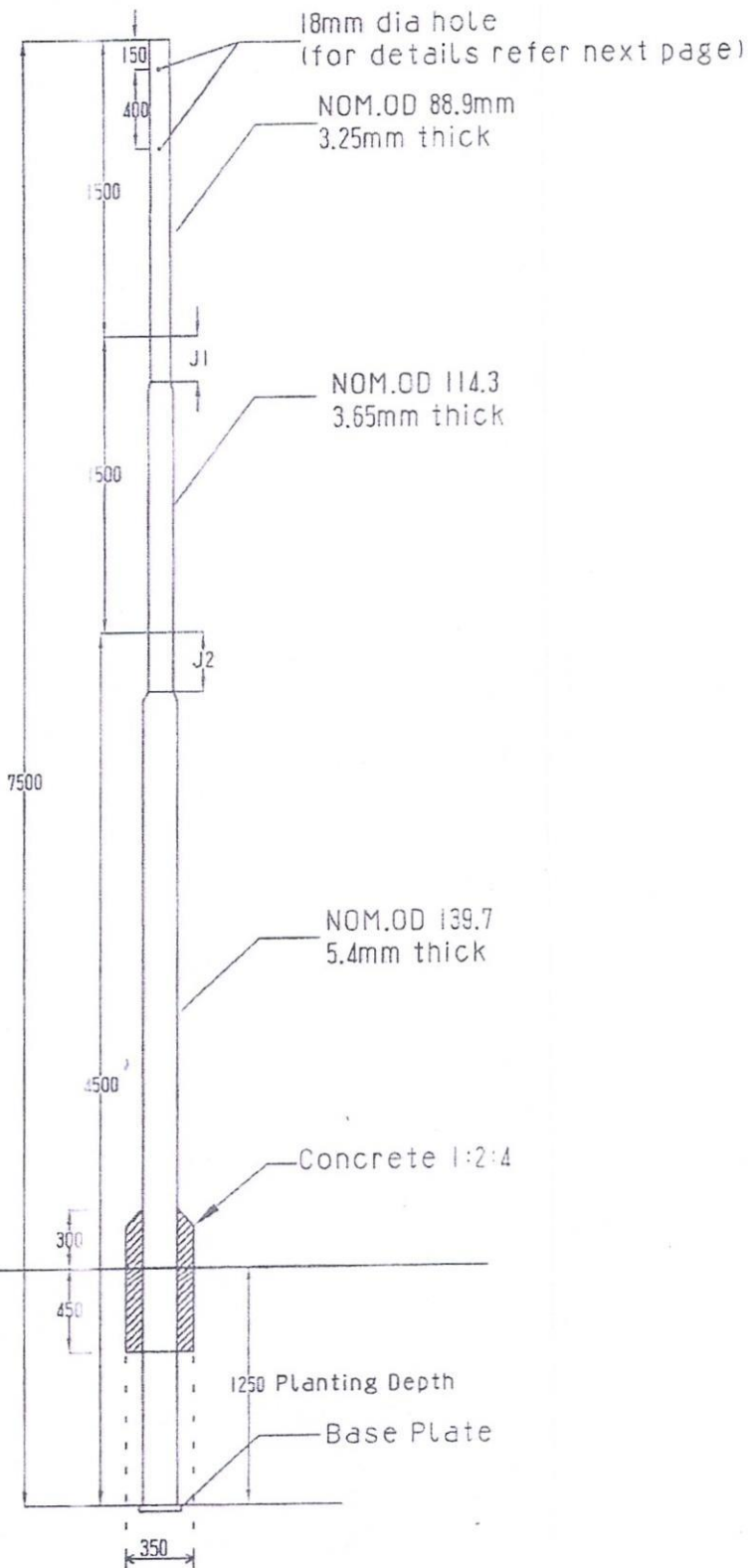
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD
 LV ABC TYPICAL SERVICE LAYOUT
 ARRANGEMENT



DESIGNATION	NAME	DATE
DRAFTSMAN		
DESIGNER		
DESIGN CHECK		
PROJECT MANAGER		
PROJECT DIRECTOR		

DRAWING NO. BPC - DCS - 014

REV
2



NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. SPECIFICATIONS AS PER IS:2713 (PART I TO III : 1980)
3. POLE TOP CAP -M.S. PLATE WOULD BE TAG WELDED TO THE POLE



BHUTAN POWER CORPORATION LIMITED

ENGINEERING DESIGN & CONTRACTS DEPARTMENT

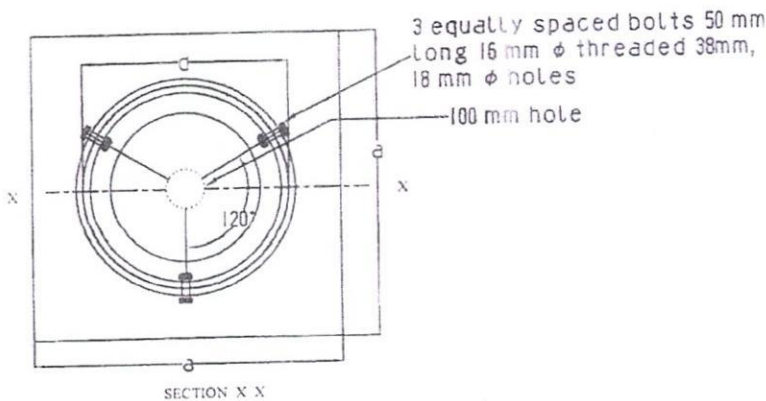
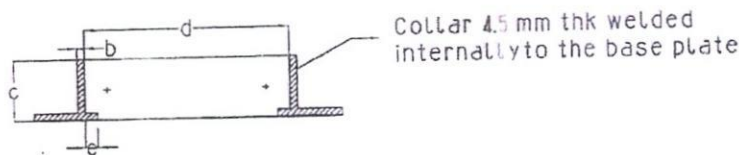
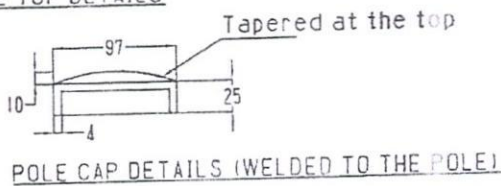
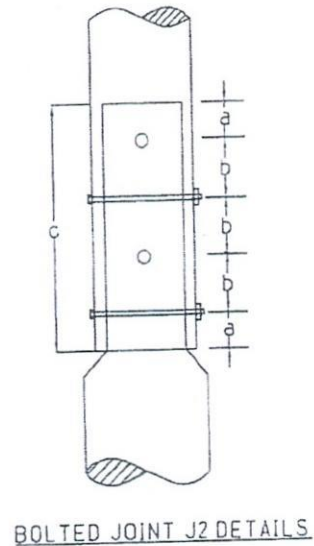
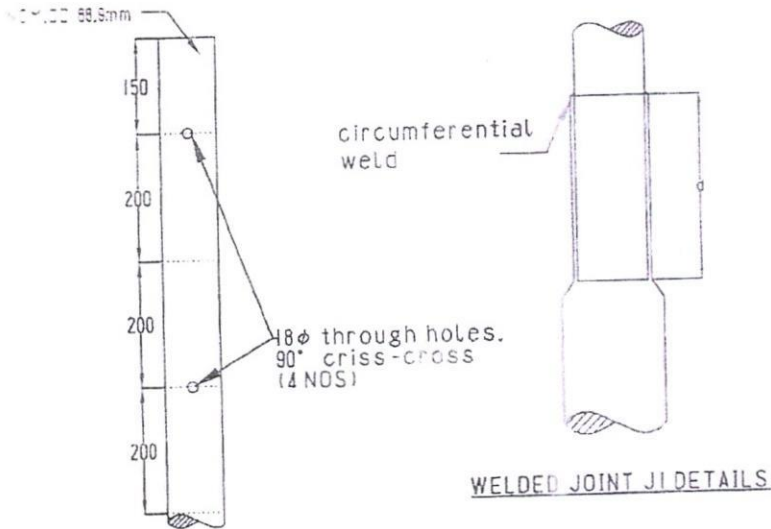
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

7.5 METERS STEEL TUBULAR POLE ASSEMBLY DETAILS

DESIGNED BY	NAME	DATE
CHECKED BY		

DRAWING NO. BPC/DDCS/2012/1A

REVISION

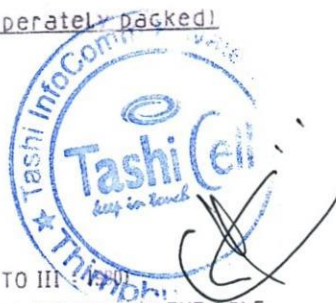


DETAILS OF MS BASE PLATE (Separately packed)

Pole Type			7.5 M (410-SP-9)
Length		mm	7500
Top Segment	OD	mm	88.9
	Thickness	mm	3.25
Length		mm	1500
Middle Segment	OD	mm	114.3
	Thickness	mm	3.65
Length		mm	1500
Bottom Segment	OD	mm	139.7
	Thickness	mm	5.4
Length		mm	4500
Joint J1	Welded Joint		
	d	mm	230
Joint J2	a	mm	45
	b	mm	70
	c	mm	300
	BL	mm	160
Planting Depth		mm	1250
Base plate details	a	mm	220
	b	mm	4.5
	c	mm	70
	d	mm	139.7
	e	mm	10

NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. DRAWING NOT TO SCALE.
3. SPECIFICATIONS AS PER IS:2713 (PART I TO III)
4. POLE TOP CAP -M.S. PLATE WOULD BE TAG WELDED TO THE POLE



BHUTAN POWER CORPORATION LIMITED

ENGINEERING DESIGN & CONTRACTS DEPARTMENT

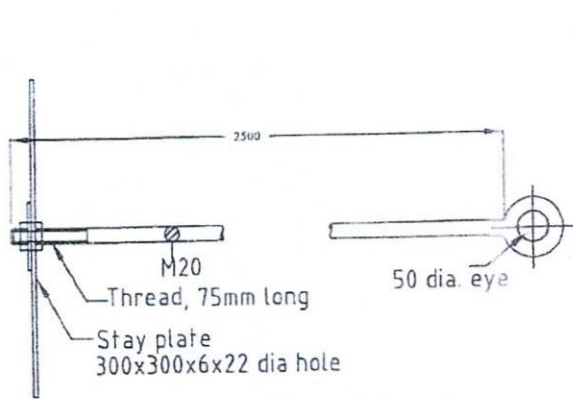
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7.5 METERS STEEL TUBULAR POLE ASSEMBLY DETAILS

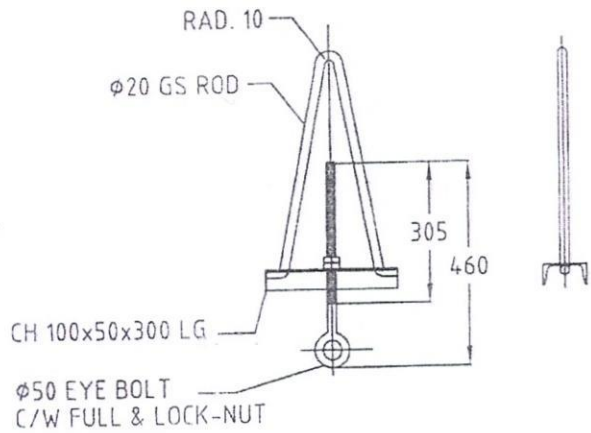
DESIGNED BY	NAME	DATE
CHECKED BY		

DRAWING NO. BPC/DCS/2012/1B

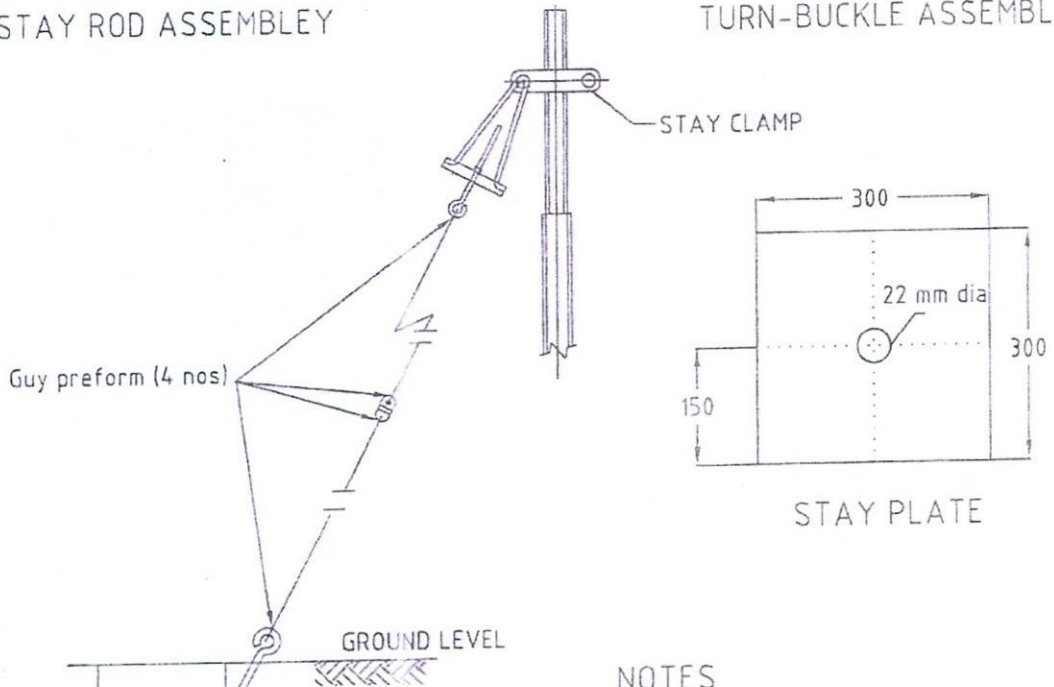
REVISION
2012



STAY ROD ASSEMBLY



TURN-BUCKLE ASSEMBLY



STAY WIRE ASSEMBLY

NOTES

- Stay rod and nuts assembled and packed together
- Anchor plates packed separately
- Material :- BS 4360 Grade 43A
- Galvanizing :- BS 729
- Threads :- ISO Metric
- Nut :- BS 4190 Grade 4.0

NOTES

- DIMENSIONS AS SHOWN ARE IN mm
- DRAWING IS NOT TO SCALE.

NAME OF THE ITEM	QTY	MATERIAL
STAY WIRE (7/8 SWG) (IN METERS)	10 FOR 9M POLE 11 FOR 10M POLE	H.D.G STEEL
STAY CLAMP WITH NUTS AND BOLTS	1	H.D.G STEEL
STAY ROD (2.5 M) WITH THIMBLE	1	H.D.G STEEL
ANCHOR PLATE (300 X 300 X 6MM)	1	H.D.G STEEL
TURN BUCKLE ASSEMBLY WITH THIMBLE	1	H.D.G STEEL
GUY PREFORMED SUITABLE FOR 7/8 SWG	4	GALVANISED STEEL WIRE
STAY INSULATOR	1	PORCELAIN



BHUTAN POWER CORPORATION LIMITED

ENGINEERING DESIGN & CONTRACTS DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

STAY SET ASSEMBLY (STEEL TUBULAR POLES)

DESIGNATION	NAME	DATE
DRAFTSMAN		
DESIGNER		
DESIGN CHECK		
PROJECT MANAGER		

DRAWING NO. BPC-DDCS-005

REVISION
2010

3. Stay wire

Utilities grade galvanized steel stranded shall be used for guy wire as shown in below table.

Designation	No. of strands	Strand SWG	Stranded Diameter (mm)	Overall diameter (mm)	Approx. Weight per meter (kg)	Min. Breaking load (kN)
7/8	7	8	4.04	12	0.72	60

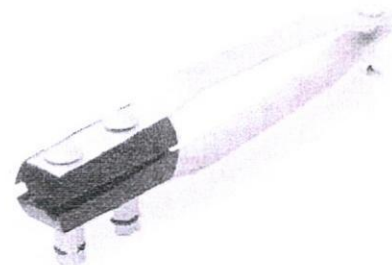


ENSTO

Tension clamp

SO274.250S

Code SO274.250S
 GTIN 6438100327323
 Name Tension clamp
 2x(25-50) mm², shear head
 Description Tension clamp for the termination of 2
 core overhead cables. The tension clamp
 is equipped with shear head nuts.
 Vendor Ensto Finland Oy



Technical specification

Certificates

Standards: EN 50483-2:2009

Dimensions

Weight: 0.961 kg
 Conductor diameter: 8 ... 11.3 mm
 Conductor size: 2x25-50 mm²

Mechanical

SMFL: 2x25 mm² 6.7 kN / 2x35 mm² 9.2 kN / 2x50
 mm 9.6 kN
 Tightening torque: 44 Nm

Others

ETIM Class: EC003516

Packaging

Carton (Default package)

Package size: 10 pcs
 Depth: 383 mm
 Width: 258 mm
 Height: 173 mm
 Weight: 9.852 kg



Volume: 17.094822 l

Pallet package

Package size: 540 pcs
Depth: 1200 mm
Width: 800 mm
Height: 1112 mm
Weight: 552.008 kg
Volume: 1067.52 l



SPC, SUSPENSION CLAMP

The SPC suspension clamp is designed for the installation and suspension of four core self-supporting LV-ABC cables to poles or walls.

- The clamp is made of hot-dip galvanized steel and weather resistant material
- Equipped with shear head bolt. The clamp can be easily installed without damage to the cable insulation
- No loose parts
- Standard: EN 50483-2



Type	Conductor Size (mm ²)	Failure Load(KN)	Pack (pcs)
SPC4 x 25/B	25	6	36
SPC4 x 35/B	35	6	36
SPC4 x 50/B	50	6	36
SPC4 x 70	70	10	36
SPC4 x 95	95	10	36
SPC4 x 120	120	10	36

