



GUYANA POWER AND LIGHT INC

Procurement of Goods

IFB # GPL- PD – 055 - 2022

Supply of Tools & Equipment

October 2022

Closing Date: October 6, 2022 @ 14:00 hrs or 2:00pm

Bid Opening: October 6, 2022 @ 14:30 hrs or 2:30pm

Invitation for Bids (IFB)

Cooperative Republic of Guyana

IFB# GPL-PD-055-2022

- 1.** The Guyana Power and Light Incorporated (GPL) invite sealed bids from eligible bidders for the **Supply of Tools & Equipment**

A bid Security of 2 % of the tendered sum *must* be submitted along with the bid.

Bids shall be valid for 90 days after the date of bid opening.

Bids must be submitted via email to our electronic tender box: gpltenderbox@gplinc.com

- Bids must be submitted with a valid **National Insurance (NIS) & Guyana Revenue Authority Compliance Certificate - (Only Applicable to Local Suppliers)**
- Bidders have to submit bids for all Tools & Equipment stated in the tender document.

Deadline for submission of bids is 14:00 hrs. (2:00 p.m.) on, **October 6,2022**.

Bid opening is scheduled for 14:30 hrs (2:30 pm) on, **October 6,2022** at GPL's Board Room 91 Duke Street, Kingston, Georgetown, Guyana via Zoom Call in the presence of Bidders/ Representatives who may choose to participate.

IMPORTANT: Bidders downloading the bid document must forward a registration E-mail to kgeorge@gplinc.com and proc_mng_sect@gplinc.com stating the following: Name of Bidder, Address, Contact No. and Email address.

All queries must be submitted only to tenderqueries@gplinc.com referencing name and bid document number.

The above information will be used to inform bidders of any amendments to the bidding document and also to forward all responses to queries.

GPL reserves the right to reject any or all bids.

CONTENTS

Invitation For Bids (IFB)	.....	2
Instruction To Bidders (ITB)	.....	4
Bid Data Sheet (BDS)	.....	11
General Conditions of Contract (GCC)	.....	13
Special Conditions of Contract (SCC)	.....	18
Schedule of Requirements	.....	21
Technical Specification	.....	23
Bid Delivery Schedule	.....	189
Qualification Information	.....	190
Suppliers Bid	.....	193
Supply Contract	.....	195
Bid Security	.....	198
Bid Securing Declaration	.....	200
Performance Security	.....	202
Letter of Acceptance	.....	204
Power of Attorney for Signing the Bid	.....	205
Bank Guarantee for Advance Payment	.....	206
Evaluation Criteria	.....	208

INSTRUCTIONS TO BIDDERS

A. Introduction

1. Description of the Procurement

The Procuring Entity is Guyana Power and Light Inc. that intends to procure the goods identified in the *Bid Data Sheet* and in the Schedule of Requirements.

2. Eligibility and qualifications of Bidders

- 2.1 In order to be awarded a procurement contract, Bidders should possess the technical and financial capacity needed to perform the contract. They should fulfill their tax and national insurance fund liabilities in Guyana and should not currently be subjected to a debarment penalty and must comply with the specific eligibility and qualification requirements referred to in the *Bid Data Sheet*. Bidders shall provide the information and any supporting documentation required by the Qualification Information Form.
- 2.2 The bidders should not have conflict of interests, including involvement in more than one bid in this proceeding, should not be associated nor have been associated in the past, directly or indirectly, with any agency or any of its representative, affiliate, that have been engaged by the Procuring Entity to provide consulting services at the preparation stage of the bidding documents, technical specifications and other documentation that are subject to be used in the procurement of goods, which must be purchased in accordance with the Invitation for Bids. In cases where the indicated facts are discovered, the Bidder's bid shall be rejected.

B. Bidding Documents

3. Clarification and amendment of bidding Documents

- 3.1 The Procuring Entity in not more than three (3) working days, will respond in writing (including by fax or electronic mail) to any request for clarification of the bidding documents to be received (in writing, including by fax or electronic mail) not later than 10 days before the expiry of a deadline for submission of bids. At the same time, the Procuring Entity's response shall without identifying its source of the request, be distributed to all bidders who have received the bidding documents from the Procuring Entity.
- 3.2 At any time before the deadline for submission of bids, the Procuring Entity may amend the bidding documents by issuing an Addendum and notifying it to the prospective bidders.

C. Preparation of Bid

4. Language of Bid

- 4.1 The bid prepared by the Bidder, as well as all correspondence and documents related to that bid and exchanged by the Bidder and the Procuring Entity shall be written in the language *specified in the Bid Data Sheet*.

5. Documents Included in Bid

- 5.1 The bid prepared by the Bidder should contain the Form of Bid, the Price Schedules and the other documents to be submitted in accordance with these Instructions to Bidders.

6. Bid Price

- 6.1. Subject to the choice of INCOTERMS as indicated in the Bid Data Sheet, the prices given in the Price Schedule shall include all transportation costs to the destination point indicated in the Contract, all taxes, duties, payments collected, in accordance with the laws of Guyana and delivery related and other costs on performing of contractual obligations.
- 6.2. The prices offered by the Bidders shall remain fixed during the whole period of Contract performance and shall not be modified in any circumstance.

7. Bid and Payment Currency

- 7.1 The prices shall be indicated in UK Pounds, US Dollars or Euros for Foreign Suppliers and Guyana Dollars for Domestic Suppliers, unless otherwise specified in the *Bid Data sheet*.

8. Bid Security / Bid Securing Declaration

- 8.1 Unless otherwise provided in the *Bid Data Sheet*, the Bidder shall furnish, as part of his bid, a Bid Security, in the form, currency and amount specified in the *Bid Data Sheet* with a validity period for not less than 2 weeks upon the expiry of the bid validity period and in line with the form provided, or, if so indicated in the BDS, a Bid Securing Declaration in accordance with the form provided. **A Bid Securing Declaration is not required.**
- 8.2 The bid security may be forfeited, or the Bid Securing Declaration executed, if the Bidder:
- (a) withdraws his/her bid after it is opened during the period of validity specified in The bid; or,
 - (b) having been awarded the contract fails:
 - (1) to sign the contract on the terms and conditions provided in his bid; or
 - (2) to furnish the Performance Security, if required to do so.

9. Period of Validity of Bid

- 9.1 Bids shall remain in force during the period specified in *the Bid Data Sheet* after the date of bid opening.

10. Format, Signing and submission of Bid

10.1 Reserved

10.2 The bid shall contain no interlineations, erasures or overwriting, except the cases when the Bidder needs to correct errors which must be initialed by the person or persons signing the bid.

10.3 Reserved

10.4 Reserved

11. Deadline for Submission of Bids

11.1 Bids must be received by the Procuring Entity at the address and within the periods specified in *the Bid Data Sheet*. All bids received by the Procuring Entity upon the expiry of a period established for submission of bids as indicated by the Procuring Entity shall be rejected and returned to the Bidder unopened.

12. Modification and Withdrawal of Bids

12.1 The Bidder may modify or withdraw his bid after the bid's submission, provided that the Procuring Entity will receive a written notice of modification, including substitution or withdrawal of bid until the expiry of established period for submission of bids.

12.2 Reserved

E. Opening and Evaluation of Bids

13. Opening of Bids

13.1 The Procuring Entity will open all bids in the presence of bidders' representatives who wish to participate, at the time, on the date, and at the address specified in the *Bid Data Sheet*.

13.2 The bidders' names, bid prices, including alternatives (if alternatives permitted), information on the presence or absence of required bid security, or bid securing declaration, information on the presence (absence) of tax debts and debts of social insurance payments will be announced at the opening. No bid may be rejected at the opening, exclusive of late bids to be returned to the Bidder unopened.

13.3 Bids (and modifications sent pursuant to ITB Clause 12.2) that are not opened and read out during the bid opening shall not be accepted for further evaluation, regardless of circumstances.

14. Evaluation of Bids

- 14.1 During the evaluation of bids, the Procuring Entity may, at his discretion, request the Bidder to provide clarification of his bid. The request for clarification and the response thereto shall be made in writing, and in that case no change in price or substance of the bid shall be sought, offered, or permitted.
- 14.2 The Procuring Entity shall determine the responsiveness of each bid to requirements of the bidding documents. For the purposes of this Clause a substantially responsive bid is one which satisfies all the indicated provisions without a material deviation or reservation.
- 14.3 The Procuring Entity may waive any minor nonconformity or small mistake or inaccuracy in the bid, which is not a material deviation from the requirements of the bidding documents, and such non-conformity or inaccuracy will not affect the bid evaluation. To the extent feasible and appropriate, for the purposes of comparing bids, acceptable deviations shall be quantified in monetary terms and reflected in adjustments to the bid price (for the purposes only of comparison of bids).
- 14.4 Arithmetical errors shall be rectified in the following manner: if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the sum in words shall be preferable. If the Bidder disagrees with such correction of errors, his/her bid shall be rejected.
- 14.5 The Procuring Entity shall evaluate and compare only the bids that are determined to be responsive to the bidding documents.
- 14.6 The methodology to adjust the price to reflect the price of the missing or non-conforming item or component is the average price of the item of all responsive bids.

15. Confidentiality and Contacting the Procuring Entity

- 15.1 No Bidder shall contact the Procuring Entity on any matter related to his/her bid from the date of bid opening until the date of contract award, except for requests related to clarification of the bid. Information concerning the evaluation of bids is confidential.
- 15.2 Any effort by the Bidder to influence the Procuring Entity's decision on bid evaluation and comparison, or contract award may result in the rejection of that Bidder's bid.

F. Award of Contract

16. Award Criteria

- 16.1 Subject to ITB Clause 18, the Procuring Entity will award the Contract to the Bidder whose bid is determined to be substantially responsive to the requirements of the bidding documents, and who offered **the Lowest Evaluated Bid**, provided that the Bidder has been determined:
 - (a) to be eligible pursuant to Clause 2;
 - (b) to comply with qualification requirements, in accordance with Clause 2, and any technical requirements and technical evaluation criteria disclosed in the bidding documents.

17. Procuring Entity’s Right to Vary Quantities at Time of Entering into a Contract

17.1 The Procuring Entity reserves the right, when entering into a contract, to increase or decrease the quantity of goods and related services specified in the Schedule of Requirements, by the percentage indicated in the *Bid Data Sheet*, no change in the unit price or other conditions shall be made (an increase of quantity not exceeding 20 ***percent variation***).

18. Procuring Entity’s Right to Accept Any Bid and to reject All Bids

18.1 The Procuring Entity reserves the right to accept or reject any bid or all bids, and to cancel the bidding process at any time prior to award of contract, without thereby incurring any liability to Bidders and without being required to inform the Bidder or Bidders of reasons of such actions.

19. Notification of Award

19.1. The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period.

19.2. The notice of acceptance shall be equal to entering into a Contract, provided that the Bidder furnishes the performance security and the signed Contract.

19.3. At the same time that the Procuring Entity notifies the successful Bidder in accordance with sub-clause (1), the Procuring Entity will notify all other Bidders of the name of successful Bidder, and his bid price.

19.4 The evaluation report and comparison of bids will not be sent to bidders.

20. Signing of Contract and performance security

20.1 At the same time with notification of award, the Procuring Entity will send the successful Bidder the Form of Contract contained in the bidding documents. The successful Bidder shall sign and date the Contract, and return it to the Procuring Entity during seven (7) days of receipt of notice of award.

20.2 Together with the signed Contract, the Bidder shall, if required to do so by the *Bid Data Sheet*, furnish the Procuring Entity with a Performance Security in the amount and form specified in the *Bid Data Sheet*.

20.3 If the successful Bidder fails to furnish the performance security, if required to do so, or during 14 (fourteen) days fails to return the Contract signed by him, then it shall be a sufficient ground to refuse the award of Contract, and to forfeit the bid security, or execute the bid-securing declaration. In that case the Procuring Entity shall award the Contract to the next lowest evaluated Bidder, subject to the right of the Procuring Entity to reject all bids.

21. Settlement of disputes

21.1 To settle the disputes, which may arise during the execution of the Contract, the parties shall follow the procedure referred to in the *Bid Data Sheet*.

22. Corrupt and Fraudulent Practices

22.1 The Procuring Entity requires that Bidders observe the highest standards of ethics during the procurement and execution of such contracts. In pursuance of this policy, the Procuring Entity:

(a) will reject the bid if it establishes that the Bidder recommended for award has engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract in question;

(b) will declare the Supplier, for indefinite or specified period of time, to be ineligible to participate in state-financed biddings, in accordance with applicable debarment procedures.

23. Compliances

23.1 Bidder registered in Guyana must submit valid certificates of compliances from Guyana Revenue Authority (GRA), National Insurance Scheme (NIS), and (VAT registration is required only if item being supplied is Vatable).

24. Defects Liability:

24.1 The “Defects Liability Period” for the goods and related services is twelve (12) months from the date of taking over possession or such other period as may be specified in the Bid Data Sheet. During this period, the supplier will be responsible for replacing any defective item free of cost to the Procuring Entity.

25. Inspection and Testing

25.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all testing and/or inspections of the Goods and Related Services as are specified in the Technical Specification. Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser.

The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

25.2 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract.

25.3 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.

26.4 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice.

26.5 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report, shall release the Supplier from any warranties or other obligations under the Contract.

Bid Data Sheet (BDS)

The following specific data to clauses of the provisions of Instructions to Bidders which supplement, or amend the provisions of the Instructions to Bidders (ITB) whenever there is a conflict, the provisions herein shall prevail over those in ITB

Item No.	
ITB 1.1	Guyana Power and Light Inc. of 40 Main Street Georgetown Guyana Telephone #592-226-9598 Email: gpersaud@GPLINC.com The subject of the procurement is: Supply of Tools & Equipment.
ITB 2.1	To qualify for award of the Contract, the bidders shall provide satisfactory evidence to the Purchaser of their capability and adequacy of resources to carry out the Contract effectively: <ul style="list-style-type: none"> (a) Copies of original documents defining the constitution or legal status, place of registration and principal place of business. (b) Evidence supporting the supply of 2 (two) or similar items within the last 3 (three) years. (c) Average Turnover for the last three years should be at least USD \$400,000. (d) Evidence of access to lines of credit and availability of other financial resources and certified copies of other financial statements for the last three (3) years. (e) Evidence compliance with NIS, GRA, Vat registration if applicable (Only applies to local Supplier). (f) To be covered by a minimum warranty period of Thirty-Six (36) months. (g) Manufacturers authorization form. (h) Wherever practicable sample(s) may accompany a bid. GPL Inc. reserved the right to request sample(s) before the awarding a tender.
ITB 4.1	Language of Bid shall be English
ITB 5.1	Other documents to be submitted includes; GRA and NIS Compliances, (TIN Certificate and VAT Registration if the item/s being procured attract VAT). Only applies to suppliers who are registered office is within Guyana
ITB 6.1	The price quoted by bidders shall be on the basis of CIF for goods delivered from abroad and for goods delivered from within Guyana. Incoterms 2010 shall apply. Suppliers shall quote with the understanding that they can be awarded all Tools & Equipment as listed.

ITB 7.1(a)	For Goods and Related Services with origin in the Purchaser's country, the currency of the bid shall be Guyana Dollars (GY\$) (Suppliers with registered business in Guyana must submit their bid in Guyana Dollars (GY\$).
ITB 7.1(b)	The prices shall be indicated in UK Pounds, US Dollars or Euros for Foreign Supplier and Guyana Dollars for Domestic Suppliers.
ITB 7.1(c)	<p>The currency that will be used for bid evaluation and comparison purposes to convert all bid prices expressed in various currencies into a single currency is the Guyana Dollars.</p> <p>The source of exchange rate shall be the Bank of Guyana, and the selling rate shall be used.</p> <p>The date for exchange rate shall be ten days before the opening of tenders.</p>
ITB 8.1	A bid security of 2% of the tendered sum is required. A signed Bid Securing Declaration is not required.
ITB 9.1	The period of validity of bid is 90 Days.
ITB 11.1	<p>Deadline and place for submission of bids: 14:00 hours on <u>October 6, 2022.</u></p> <p>Attention: Secretary to the Tender Board, Guyana Power and Light, Inc. 91 Duke Street, Kingston Georgetown Guyana South America.</p>
ITB 13.1	<p>Time and place for opening of bid:</p> <p>The Board Room, Guyana Power and Light, Inc., 91 Duke Street, Kingston, Georgetown, Guyana, South America.</p>
ITB 17.1	When entering into a contract the Procuring Entity reserves the right to Increase or decrease quantities of goods by 5%.
ITB 20.2	The performance security shall be ten percent (10%) of the Contract Price and in the form of a Bank Guarantee or Managers Cheque.
ITB 21.1	Disputes that may arise in the performance of the contract shall be settled in accordance with the Procurement Act 2003.
ITB 24.1	The duration of the defects liability period is to be stated by the Bidder.

General Conditions of Contract (GCC)

The General Conditions are the Standard General Conditions of Contract. No alteration shall be made on the pages of these Conditions. The Procuring Entity, when amending or supplementing the General Conditions of Contract should do so only in the Special Conditions of Contract. Any amendment or addenda of the General Conditions of Contract shall conform to the legislation of Guyana.

1. Definitions and application

1.1 This Contract lists below the terms that have the following interpretation:

- (a) **“Contract”** means the agreement entered into between the Procuring Entity and The Supplier, as recorded in the Form of Contract signed by the parties, including All attachments and appendices thereto and all the documents referenced therein;
- (b) **“Contract Price”** means the price payable to the Supplier under the Contract for Complete and proper performance of his contractual obligations;
- (c) **"Goods"** means the item(s) referred to in the SCC;
- (d) **“GCC”** - means the General Conditions of Contract contained in this Section;
- (e) **"SCC"** - means the Special Conditions of Contract;
- (f) **"Procuring Entity"** – means the Procuring entity carrying out the procurement of Goods, specified in the SCC;
- (g) **"Supplier"** – means an individual or legal entity, or a combination of any above mentioned forms which operate under the existing agreement as a joint venture and supply the Goods and Services under the Contract;
- (h) **"Day"** – means calendar day.

1.2 The General Conditions of Contract shall apply in the procurement of goods; the specific amendment, addition and alteration shall be indicated in the Special Conditions of Contract.

1.3 Warrant requirements are as may be specified in the special conditions of contract.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The contract shall be read as a whole.

3. Performance Security

- 3.1 If required by the SCC, during fourteen (14) days of receipt of notification of award, the successful Bidder shall furnish the Procuring Entity with the performance security the amount and form of which are indicated in the SCC.

4. Packing

- 4.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to final destination specified in the Contract, and as may be required by the Special Conditions of Contract.

5. Delivery, Transportation, Mobilization Advance

- 5.1 The Supplier must deliver the Goods within the periods and to the Destination point indicated in the Schedule of Requirements and shall provide the documentation indicated in the SCC. Subject to the SCC, transportation of the Goods to the place specified by the Procuring Entity shall be carried out and paid by the Supplier, and related costs shall be included in the Contract Price.

6. Payment

- 6.1 The payment to the Supplier for the Goods delivered shall be made in accordance with the Contract in the form and within the periods specified in the SCC.

7. Prices

- 7.1 Prices established by the Supplier in the Contract for goods delivered shall not vary from the prices quoted by the Supplier in his bid.

8. Assignment

- 8.1 The Supplier shall not assign, in whole or in part, his obligations under the Contract to the third party for the execution without the Procuring Entity's prior written consent.

9. Delays in the Supplier's Performance and liquidated damages

- 9.1 Delivery of the Goods shall be carried out by the Supplier, in accordance with the schedule indicated by the Procuring Entity in the *Delivery Schedule*.
- 9.2 Except for provided under GCC Clause 13, the delay in the Supplier's performance of his delivery obligations shall render the Supplier liable for payment of liquidated damages in the

amount specified in the SCC, unless an extension of time is agreed upon by the parties without application of liquidated damages. Once the maximum deduction specified in the SCC is reached, the Procuring Entity may consider termination of the Contract, in accordance with Clause 10 of the General Conditions of Contract.

10. Force Majeure

- 10.1 The Supplier shall not forfeit their performance security and shall not be liable for the payment of liquidated damages, or termination of Contract for failure to perform any obligation under the contract, if the failure to perform or default is the result of an event of force majeure.
- 10.2 “Force majeure” means an event beyond the control of the Supplier, not connected with error or negligence of the Supplier and not foreseeable.
- 10.3 When an event of force majeure arises, the Supplier shall promptly notify the Procuring Entity in writing of such event and its causes and to the extent possible, the expected duration of the event of force majeure and the quantity of Goods to be affected. The Supplier shall diligently search for alternative ways of execution of the Contract, irrespective of force majeure.
- 10.4 The Parties may agree on an extension of time for the delivery of the Goods where this is practical under the circumstances. If Force Majeure prevents the Supplier from performing its obligations in whole or material part for a continuous period of more than thirty (30) days from the date of the notice, the Procuring Entity may terminate the Contract by giving notice to the Supplier.
- 10.5 Provide always that the Parties acknowledge that this Contract is being entered into during the Covid-19 pandemic which has resulted in worldwide supply chain disruptions. The Supplier shall use its diligent efforts, as far as practicable, to ensure accuracy in its bid submissions relative to the period for delivery and price of the Goods, considering the existing circumstances. The Supplier shall not rely on the Covid-19 pandemic as an event of force majeure to delay performance of the Contract, except where performance becomes impossible as a result of measures or circumstances arising after entering into the Contract. The Supplier shall first discuss with the Procuring Entity the effect of those measures or circumstances preventing performance and whether any action may be taken to mitigate its effect. The Procuring Entity reserves the right to terminate the Contract in accordance with 10.4 above.
- 10.6 The procuring entity shall be entitled to make a claim on the advance payment guarantee irrespective of an event of force majeure

11. Termination

- 11.1 The Procuring Entity, without detriment to any other sanctions of infringement of the provisions of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:

- (a) if the Supplier fails to deliver the portion or all of the Goods within the periods provided for in the Contract, or within an extension period of that Contract, or to perform any of his obligations under the Contract;
- (b) if bankruptcy procedures are applied to the Supplier, or it is declared insolvent.
- (c) if the Supplier, in the Procuring Entity's opinion, has engaged in corrupt, fraudulent, collusive or coercive practices when entering into or executing the Contract;
- (d) if the Procuring Entity deems that continued implementation of the contract would no longer be expedient from the standpoint of the public interest

11.2 The notice of termination shall specify the reason of termination, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

11.3 Notwithstanding clauses 9 and 10.1, the Supplier shall not forfeit his performance security, and shall not be liable for payment of liquidated damages, or termination for default, if delay in executing the Contract or failure to perform obligations under the Contract is the result of an event of force majeure. When force majeure arises, the Supplier shall promptly notify the Procuring Entity in writing of such circumstance and its causes.

11.4 When the contract is terminated in accordance with clause 10.1(d), the Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring Entity at the Contract terms and prices. For the remaining Goods, the Procuring Entity may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

12. Settlement of Disputes

12.1 If any dispute or disagreement arises between the Procuring Entity and the Supplier for the Contract or in connection with it, the parties shall make every effort to resolve the dispute or disagreement amicably by mutual consultation.

12.2 If during twenty one (21) days, the parties failed to resolve their dispute or disagreement by mutual consultation; either the Procuring Entity or the Supplier may send the other party the notice of intent to commence arbitration, if an arbitration is incorporated in the Contract in the Special Conditions of Contract or otherwise agreed by the parties, or in the

Court of General Jurisdiction if no arbitration is envisaged, and no arbitration or litigation in respect of that matter may be commenced unless such notice is given.

Any dispute or disagreement in respect of which the notice of intent is sent to commence trial shall be heard by the [Court of General Jurisdiction].

- 12.3 Notwithstanding any reference to dispute settlement herein, the parties shall continue to perform their obligations under the Contract, unless they agree otherwise.

13. Applicable Law

- 13.1 The Contract shall be interpreted in accordance with the laws of Guyana.

14. Formal Communication between the Procuring Entity and the Supplier

- 14.1 Any notice given by one party to the other pursuant to the Contract shall be in force if it is done in writing and sent at the address of other party in the SCC.

- 14.2 A notice shall be effective when delivered or on the specified date, whichever is later.

15. Taxes and Duties

- 15.1 The Supplier shall be fully responsible for all taxes, duties, license taxes, etc., levied in accordance with the legislation of Guyana, and subject to the application of INCOTERMS in accordance with the SCC.

16. Retention

- 16.1 No retention shall be applied on consumables, but warranties, guarantees and expiry dates to apply.

Special Conditions of Contract (SCC)

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

GCC Clause No.	Special Conditions of Contract
<p>1</p> <p>1.1 (f)</p> <p>1.1 (g)</p> <p>1.1(c)</p>	<p>Definitions</p> <p>The Procuring Entity is Guyana Power and Light of 40 Main Street Georgetown Guyana South America, Tele #592-226-9598, Fa x# 592 227-2180 Email: <i>gpersaud@gplinc.com</i></p> <p>The Supplier is Not Applicable <i>(indicate full name, legal address, phone, fax and e-mail of Supplier)</i></p> <p>Supply of Tools & Equipment</p>
<p>3.1</p>	<p>A Performance Security will be required Fourteen (14) days after receipt of notification award in the amount and form of a Bank Guarantee or Managers Cheque for ten <i>percent (10%) of the Contract price.</i></p>
<p>4.1</p>	<p>Packing</p> <p>The packing, marking and documentation within and outside the packages shall be:</p> <p><u>Packing</u></p> <p>The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.</p> <p><u>Marking</u></p> <p>Marking shall be in accordance with international practice and shall be agreed with the Purchaser. The Goods shall be addressed for delivery to Guyana Power & Light, 40 Main Street, Georgetown, Guyana, South America.</p>
<p>5.1</p>	<p>Delivery, Transportation</p> <p><u>Documentation</u></p> <p>(a) For Imported Goods.</p> <p>Within 24 hours of shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable or telex or fax, the full details of the shipment including Contract number, description of Goods, quantity, the vessel, the bill of lading number and date,</p>

	<p>port of loading, date of shipment, port of discharge, etc.</p> <p>The Supplier shall mail the following Original documents to the Purchaser with a copy to the insurance Company:</p> <ol style="list-style-type: none"> (1) Supplier’s invoice indicating a description, quantity, unit price of the Goods and sum total; (2) Shipping order, railway receipt or truck receipt; (3) Warranty certificate of Manufacturer or Supplier; (4) Inspection certificate issued by the authorized inspection service, and the supplier's factory inspection report (if any); (5) Certificate of origin; (6) Certificate of conformity; (7) Full set of ocean on-board bills of lading, of air waybills or courier/parcel post Certificates consigned to the Purchaser; (8) Packing list identifying contents of each package, and clearly showing Shipping marks and package numbers, kind of package, contents, dimensions and Gross weights of each package in pounds or kilos. <p>The above documents shall be received by the Purchaser at least two (2) weeks before arrival of Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p>
<p>6.1</p>	<p>Payment</p> <p>The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>Payment for Goods supplied:</p> <p>Payment will be as follows:</p> <p>Advance Payment:</p> <p>Thirty percent (30%) of the Contract Price shall be paid within thirty (30) days of signing of the Contract, and upon submission of claim and a bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding documents or another form acceptable to the Purchaser.</p> <p>On Delivery & Installation:</p> <p>Sixty percent (60%) of the Contract Price of the Goods shipped shall be paid upon submission of claim and evidence that items are ready for shipment.</p>

	<p>On Acceptance:</p> <p>Ten percent (10%) of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods supported by the acceptance certificate issued by the Purchaser.Purchaser.</p>
9.2	<p>Liquidated Damages</p> <p>The liquidated damage shall apply and they shall be equivalent to half of one percent (0.5%) of the delivered price of the delayed Goods or unperformed services per each day of delay or part thereof until actual delivery.</p> <p>The maximum amount of liquidated damages shall be: 15 percent (15 %) of the delayed Goods or services contract price.</p>
11.2	<p>Settlement of Disputes</p> <p>The rules of procedure for arbitration proceedings pursuant to GCC Sub-Clause 11.2 shall be as follows:</p> <p><i>(a) Contract with foreign Supplier:</i></p> <p>GCC 11.2 (a) Any dispute, controversy or claim arising out of or relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force.</p> <p><i>(b) Contracts with Supplier national of the Purchaser’s country:</i></p> <p>In the case of a dispute between the Purchaser and a Supplier who is a national of the Purchaser’s country, the dispute shall be referred to adjudication or arbitration in accordance with the laws of Guyana</p> <p>(c) The Courts of Georgetown, Guyana, shall have exclusive jurisdiction in all the matters arising in the contract including execution of Arbitration Awards</p>
12.1	<p>The governing law shall be the law of: Guyana</p>

Schedule of Requirements
IFB # GPL-PD-055-2022

Item #	Description of Items	Unit of Measure	Total	Unit Cost	Total Cost
1	1.5 Ton Chain Hoist (Lever Block Ratchet)	Each	45		
2	2 Ton Chain Hoist (Lever Block Ratchet)	Each	32		
3	Chain Jack - 0.5 Ton	Each	39		
4	Chain Jack - 1.5 Ton	Each	36		
5	Block and Tackle	Each	25		
6	6 FT Fiber Glass Step Ladder	Each	59		
7	24 FT Fiber Glass Ladder	Each	100		
8	Jack Hammer	Each	15		
9	Bolt cutter (Large) Heavy Duty	Each	54		
10	AC/DC Clamp-on Digital Multimeter	Each	55		
11	Chainsaw (small) and Bar	Each	23		
12	Chainsaw (large) and Bar	Each	30		
13	Manual Cable Cutter 32" Length	Each	31		
14	Insulator Tester 15kV	Each	18		
15	Insulator Tester 69kV	Each	8		
16	Thermal Imaging Camera & Software	Each	26		
17	Camera Drone	Each	7		
18	Chain for power saw - Short	Each	70		
19	High Voltage Digital Ammeter	Each	37		
20	Power Quality Meter (Qualstik)	Each	25		
21	Roller Tape (digital)	Each	22		
22	Non-contact Voltage Detector	Each	39		
23	Tirfor Jack [2 ton]	Each	13		
24	Ratchet Jacks model 24A	Each	30		
25	Floodlight with Generator	Each	13		
26	Portable Generator	Each	9		
27	Overhead Line Earthing Sets (Complete with Bags)	Each	62		
28	Load buster Load break Tool	Each	39		
29	Transformer Power Quality Data-Logger	Each	24		
30	Distribution Transformer Monitor - Single Phase	Each	46		
31	Switch Stick (12ft Length) 15 Kv	Each	51		
32	Switch Stick (20ft Length) 15 Kv	Each	51		

Item #	Description of Items	Unit of Measure	Total	Unit Cost	Total Cost
33	Grip-all Clampstick	Each	36		
34	Snatch Block- Pulley	Each	39		
35	Resistograph	Each	40		
36	Portable angle grinder Small	Each	36		
37	Pressure washer	Each	11		
38	Crimping tool - ILSCO MT-25	Each	43		
39	Crimping tool - ILSCO 94285	Each	43		
40	MD6-8 HYTOOL Hand Operated Tool	Each	36		
41	Crimping Tool Ratchet Type With Dye	Each	36		
42	Motorized Brush Cutter	Each	21		

Technical Specifications

1.5 TON Hoist (Lever Block Ratchet)

1.0 Scope

This specification covers the design, supply and performance requirements for a 1.5 Ton Chain Hoist. A Chain Hoist shall be use but is not limited to the elevation of various structures or equipment for the purpose of performing work

2.0 Service Conditions

The Chain Hoist and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The Chain hoist shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions.

3.0 Technical Specification

The Hoist shall conform to the technical requirements given below:

- Shall have a m Hook-to-Hook distance of 16 inches.
- Shall have a lift distance of 5.5 feet
- Shall be portable.
- Shall have a handle length of approximately Twenty (20) inches
- Shall have a weight of approximately 22 pounds or 10 kilograms
- Shall comprise of ergonomic design for easy operation.
- Shall have swiveling capability

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the 1.5-ton Hoist with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Hoist serial/ control number.

Guyana Power & Light has the rights to reject any Chain Hoist that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Hoist shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturers name or trademark

Month & Year of manufacture

Serial Number

Max Capacity

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Chain Hoist. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

The 1.5-ton Hoist shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee each Chain Hoist is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR 1.5 TON HOIST

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-	-	
2	Weight	Lbs.	22	
3	Portable	yes/no	YES	
4	Lift Distance	Feet	5.5	
5	Equip with Primer Bulb & throttle lock?	yes/no	YES	
6	Hook to Hook Distance	Inches	16	
7	Equip with Two-speed gear box and neutral?	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	12	

2 TON CHAIN HOIST

1.0 Scope

This specification covers the design, supply and performance requirements for a 2 Ton Hoist. A Hoist shall be use but is not limited to the elevation of various structures or equipment for the purpose of performing work

2.0 Service Conditions

The Hoist and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The hoist shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions.

3.0 Technical Specification

The Hoist shall conform to the technical requirements given below:

- Shall have a m Hook-to-Hook distance of 27 inches minimum and six (6) feet maximum.
- Shall have a lift distance of 3 feet – 9 inches
- Shall be portable.
- Shall have a handle length of approximately thirty-five (35) inches
- Shall have a weight of approximately 15.5 pounds or 7 kilograms
- Shall comprise of ergonomic design for easy operation.

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the 2-ton Hoist with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Hoist serial/ control number.

Guyana Power & Light has the rights to reject any Hoist that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Hoist shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number
- Max Capacity

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Hoist. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

The Hoist shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee each wood boring drill is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR 2 TON HOIST

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-	-	
2	Weight	Lbs.	15.5	
3	Patrol	-	YES	
4	Portable	yes/no	YES	
5	Lift Distance	Feet	3.9	
6	Equip with Primer Bulb & throttle lock?	yes/no	YES	
7	Equip with Two-speed gear box and neutral?	yes/no	YES	
8	Displacement	-	-	
9	Fuel Capacity	-	-	
10	Manufacturer manual included?	yes/no	YES	
11	Manufacturer maintenance & care schedule included?	yes/no	YES	
12	Manufacturer is certified to ISO 9001	yes/no	YES	
13	Warranty	months	12	

0.5 TON CHAIN JACK

1.0 Scope

This specification covers the design, supply and performance requirements for: **0.5 Ton Chain Jack** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

- The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.
- Chain Jack shall Grade 105 galvanized load chain, which adheres to the strict German DIN 5684 standard
- Internal disc hub and ratchet wheel shall be nickel plated for corrosion resistance
- The Product shall have a Rounded lever design for smooth operation when placed against flat surfaces
- The product shall have a lock switch which will prevent operation in the opposite direction

3.0 Technical Specification

• Application	• Industrial Utility
• Capacity	• 1100 – 1200 lbs.
• Standard Lift	• 5 feet
• Pound Force	• 82-90
• Diameter of Load Chain	• 4.3mm
• Breaking Load	• 5.2 N
• Diameter of ratchet wheel	• 45mm

•

4.0 Conceptual Drawing

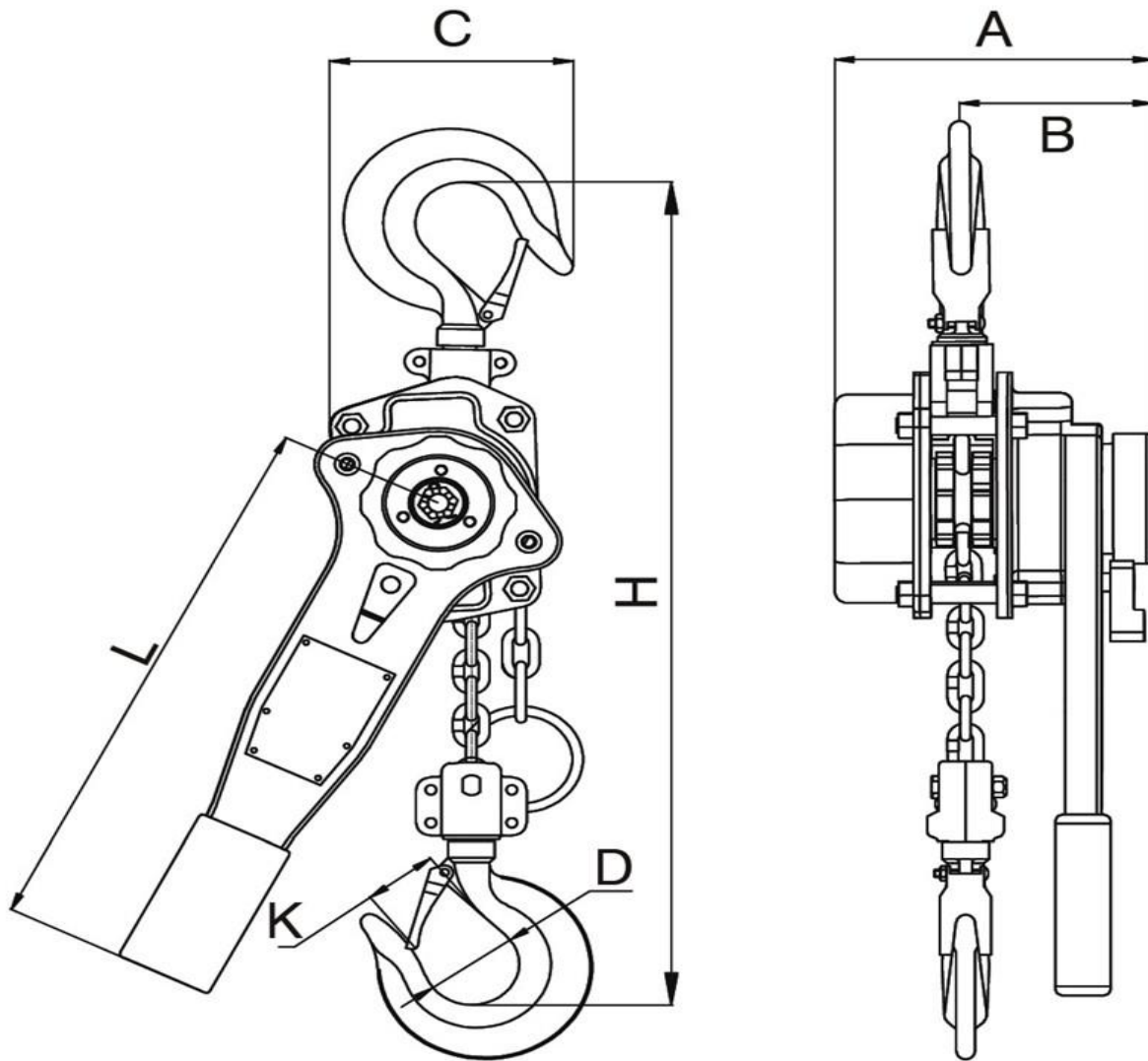


Figure 1 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the 0.5 Ton Chain Jack with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirements stipulated in this specification.

6.0 Marking

0.5 Ton Chain Jack shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturer's name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **0.5 Ton Chain Jack**. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

0.5 Ton Chain Jack shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **0.5 Ton Chain Jack** is against defects arising out of faulty design, workmanship, or defective material for a period of two (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for 0.5 Ton Chain Jack

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Capacity	lbs.	1100-1200	
3	Standard Lift	feet	5	
4	Pound Force	lbf	80-90	
5	Diameter of Load Chain	mm	4.3	
6	Breaking Load	Newton	5.2-5.5	
7	Portable	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	60	

1.5 TON CHAIN JACK

1.0 Scope

This specification covers the design, supply and performance requirements for: **1.5 Ton Chain Jack** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

- The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.
- Chain Jack shall Grade 105 galvanized load chain, which adheres to the strict German DIN 5684 standard
- Internal disc hub and ratchet wheel shall be nickel plated for corrosion resistance
- The Product shall have a Rounded lever design for smooth operation when placed against flat surfaces
- The product shall have a lock switch which will prevent operation in the opposite direction

3.0 Technical Specification

Application	Industrial Utility
Capacity	3000 – 3500 lbs.
Standard Lift	5 feet
Pound Force	66-70
Diameter of Load Chain	7.0-7.5 mm
Breaking Load	8.3-9 N

Diameter of ratchet wheel	72mm
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4.0 Conceptual Drawing

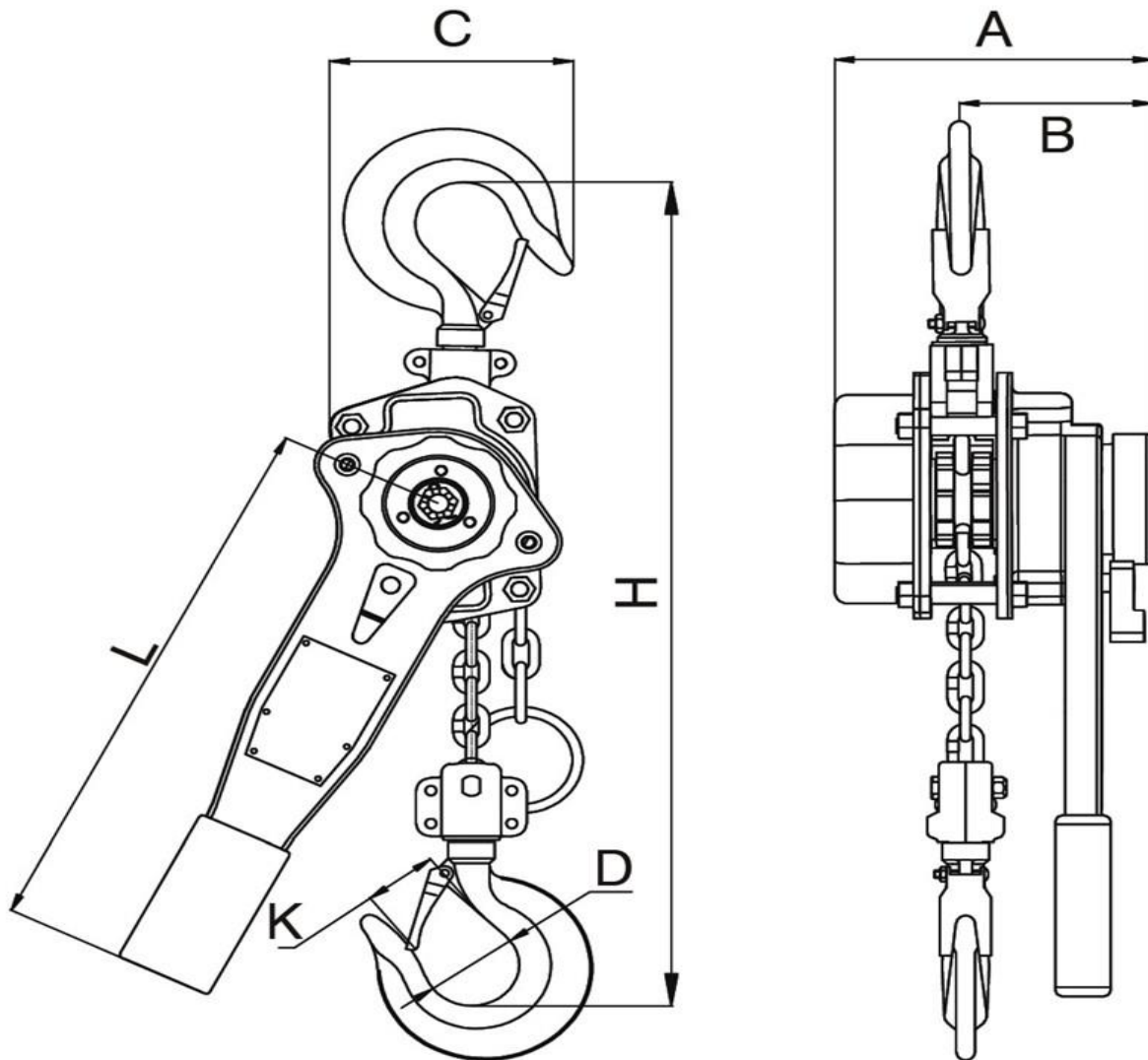


Figure 2 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **1.5 Ton Chain Jack** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

1.5 Ton Chain Jack shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **1.5 Ton Chain Jack**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

1.5 Ton Chain Jack shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **1.5 Ton Chain Jack** is against defects arising out of faulty design, workmanship, or defective material for a period of two (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for 1.5 Ton Chain Jack

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Capacity	lbs.	3000-3500	
3	Standard Lift	feet	5	
4	Pound Force	lbf	66-70	
5	Diameter of Load Chain	mm	7.1	
6	Breaking Load	Newton	8.3-9	
7	Portable	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	60	

Block and Tackle

1.0 Scope

This specification covers the design, supply and performance requirements **Block and Tackle** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Block and Tackle** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Block and Tackle mechanism shall be made of smooth operating nylon rollers which should minimize the work when lifting heavier stuff
- The Block and Tackle shall have a compound pulley system made with heavy-duty block and sturdy rope to withstand a weight capacity of up to 4,000 lbs.
- The rope puller Shall be made of strong high strength tensile polypropylene material to ensure no fraying while housing shall be steel plated with forged sling hooks for sturdy and smooth operation. And the hook design should be simple to use and adjust

3.0 Technical Specification

Application	Industrial Utility
Nominal Capacity	2500-4000 lbs.
Mounting Type	Hook
Application Pattern	Block and Tackle Pulley System
Dimensions Approx.	12 x 1 x 4 inches
Wire Rope Diameter	11.5 mm
Lift Ratio	7:1
Rope Breaking Strength	4000 kg

4.0 Conceptual Drawing



Figure 3 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect Block and Tackle with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Block and Tackle shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Block and Tackle** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Block and Tackle shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Block and Tackle** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Block and Tackle

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	lbs.	3.5 -4.0	
3	Wire Rope Diameter	inch	1/4 – 3/8	
4	Nominal Capacity	lbs.	2500- 4000	
5	Lift Ratio	-	7:1	
6	Appropriate snatch block pulley, hook	yes/no	YES	
7	Portable	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	24	

6Ft Fibre-glass Ladder

1.0 Scope

This specification covers the design, supply and performance requirements for a Fiber Glass Linesmen ladder. Fiber Glass Ladders shall be use but not limited to the climbing of services poles, both secondary and primary in order to complete works.

2.0 Service Conditions

The Fiber Glass Linesmen ladder and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The Fiber Glass Linesmen ladder shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions

3.0 Technical Specification

The Fiber Glass Linesmen ladder shall conform to the technical requirements given below:

- Shall be lightweight (20lbs. – 25lbs.) for ease of operation by the operator.
- The rails Shall be non-conductible
- Shall be portable.
- Shall be able to support a weight rating of 300 lbs.
- Shall have feet with slip resistive capabilities (Traction-Tred) to be used on penetrable surfaces.
- Minimum Steps: Five (5)
- Spread Distance: 40-42 inches
- Shall have quick release fly lock

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Fiber Glass Linesmen ladder along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Fiber Glass Linesmen ladders serial/ control number.

Guyana Power & Light has the rights to reject any Fiber Glass Linesmen ladder that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Fiber Glass Linesmen ladder shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Fiber Glass Linesmen ladder. Additionally, a recommended Maintenance and Care Schedule shall be provided.

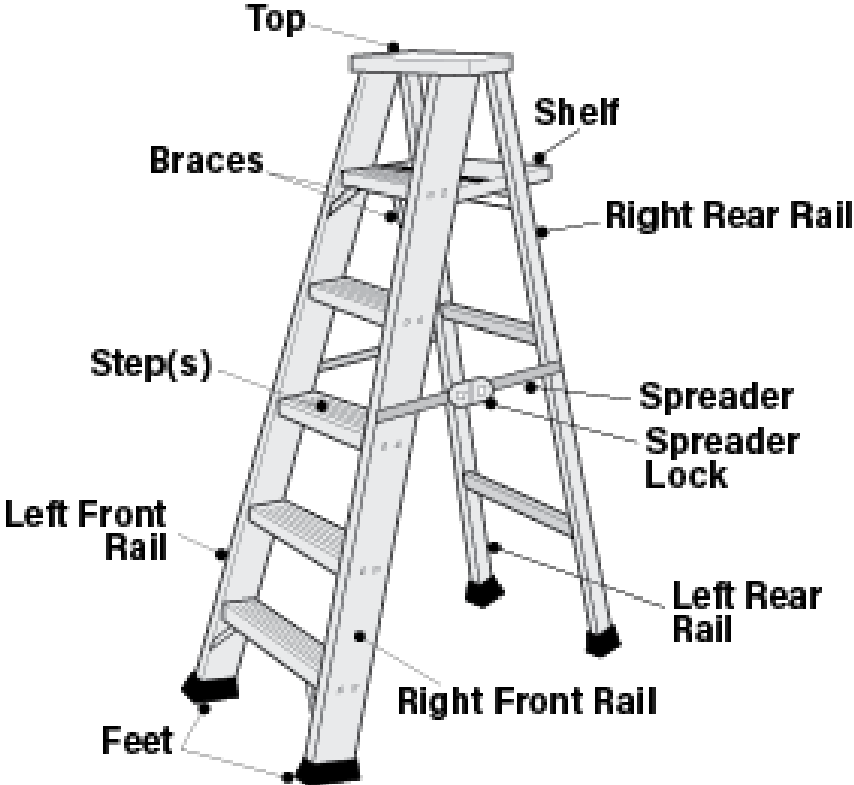
7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

Fiber Glass Linesmen ladder shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Conceptual Drawing



Guarantee

Vendor shall guarantee each Fiber Glass Linesmen ladder is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR FIBER GLASS LINESMAN LADDER

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-	-	
2	Weight	lbs.	20-25	
3	Portable	yes/no	YES	
4	Slip Resistance Feet	yes/no	YES	
5	Max Capacity	Lbs.	300	
6	Manufacturer manual included?	yes/no	YES	
7	Manufacturer maintenance & care schedule included?	yes/no	YES	
8	Manufacturer is certified to ISO 9001	yes/no	YES	
9	Warranty	months	12	

Fiber Glass Linesman Ladder 24Ft

1.0 Scope

This specification covers the design, supply and performance requirements for a Fiber Glass Linesmen ladder. Fiber Glass Ladders shall be use but not limited to the climbing of services poles, both secondary and primary in order to complete works.

2.0 Service Conditions

The Fiber Glass Linesmen ladder and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum ambient air temperature 400C;
- Maximum daily average ambient air temperature 300C;
- Minimum ambient temperature 150C; and
- Maximum relative humidity 100%.

The Fiber Glass Linesmen ladder shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions

3.0 Technical Specification

The Fiber Glass Linesmen ladder shall conform to the technical requirements given below:

- Shall be lightweight (45lbs. – 50 lbs.) for ease of operation by the operator.
- The rails Shall be non-conductible
- Shall be portable.
- Shall be able to support a weight rating of 300 lbs.
- The base and the fly shall be easily separated.
- Shall have feet with slip resistive capabilities (Traction-Trad) to be used on penetrable surfaces.
- Rail Dimension: 3.31 inches
- Shall have quick release fly lock
- Shall have V-Shape top to lead against pole
- Ladder top shall have tool slots.

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Fiber Glass Linesmen ladder along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Fiber Glass Linesmen ladders serial/ control number.

Guyana Power & Light has the rights to reject any Fiber Glass Linesmen ladder that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Fiber Glass Linesmen ladder shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Fiber Glass Linesmen ladder. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

Fiber Glass Linesmen ladder shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee each Fiber Glass Linesmen ladder is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR FIBER GLASS LINESMAN LADDER 24Ft

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-	-	
2	Weight	lbs.	45-50	
3	Portable	Yes/No	Yes	
4	Portable	yes/no	YES	
5	Slip Resistance Feet	yes/no	YES	
6	Quick Release Fly Lock	yes/no	YES	
	Ladder top Tool slot	yes/no	YES	
7	Max Capacity	Lbs.	300	
8	Rail Dimension	Inches	3.31	
9	Manufacturer manual included?	yes/no	YES	
10	Manufacturer maintenance & care schedule included?	yes/no	YES	
11	Manufacturer is certified to ISO 9001	yes/no	YES	
12	Warranty	months	12	

Jack Hammer

1.0 Scope

This specification covers the design, supply and performance requirements **Jack Hammer** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Jack Hammer** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Jack Hammer shall have 360° rotating front handle in order to have convenient all-round operation, optimizing demolition angles.
- The jack hammer shall have durably constructed shell with insulation protection which will offer stable and safe service, while the heat radiator also enhances heat dissipation and lowers the temperature

3.0 Technical Specification

Application	Industrial Utility
Maximum Power	2200 watts
Operating Voltage	120 or 240
Speed	400 rpm
Full- Load Impact Rate	1400 rpm
Rotating Front Blade	360 degrees
No-Load Power	530 watts

4.0 Conceptual Drawing

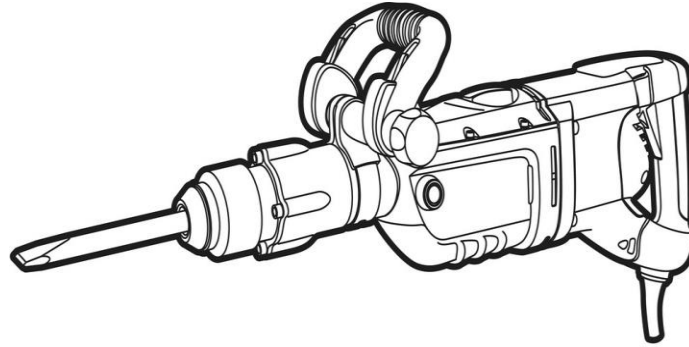


Figure 4 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **Jack Hammer** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Jack Hammer shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Jack Hammer**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Jack Hammer shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Jack Hammer** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Jack Hammer

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	lbs.	40-45	
3	Maximum Power	Watts	2200	
4	Operating Voltage	V	120 or 240	
5	Speed	rpm	400-450	
6	Full- Load Impact Rate	rpm	1400	
7	Portable	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	24	

Bolt Cutter Large Heavy Duty

1.0 Scope

This specification covers the design, supply and performance requirements **Heavy Duty Bolt Cutter** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Heavy-Duty Bolt Cutter** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Heavy-Duty Bolt Cutter shall be made of strong, drop-forged hardened steel jaws for long-lasting blade life and has an adjustable bolt mechanism for proper blade alignment.
- The Heavy-Duty Bolt Cutter shall have strong jaws can cut 3/8-inch low-carbon steel and 5/16-inch medium-carbon steel in industrial jobs. Great for cuts bolts, chain, threaded rod, cable wire and more.
- The Heavy-Duty Bolt Cutter shall feature ergonomic handles and comfortable nonslip rubber grips fit down over steel handles for enhanced strength and comfortable controlled cutting of metals

3.0 Technical Specification

Application	Industrial Utility
Length	36"
Jaw Type	Jaw Type
Maximum Cutting Hardness	HRC 42-48
Cutting Capacity- Soft Metal	0.551" (14 mm) Soft Metal 19 HRC
Cutting Capacity - Medium Metal	0.492" (12.5 mm) Medium Metal 33.5 HRC
Cutting Capacity - Hard Metal	0.433" (11 mm) Hard Metal 48 HRC
Material	Stainless Steel
Controls	Single button operation Preferred

4.0 Conceptual Drawing

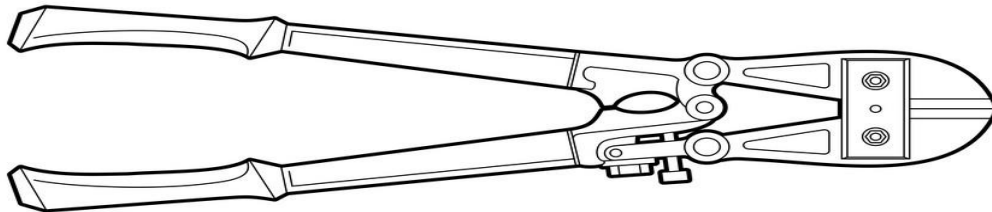


Figure 5 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **Heavy Duty Bolt Cutter** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Heavy Duty Bolt Cutter shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model

- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Heavy-Duty Bolt Cutter** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Heavy Duty Bolt Cutter shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Heavy Duty Bolt Cutter** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Heavy Duty Bolt Cutter

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	1.4-1.8	
3	Length	inches	36	
4	Maximum Cutting Hardness	inches	HRC 42-48	
5	Cutting Capacity- Soft Metal	inches	0.551" (14 mm) Soft Met.19 HRC	
6	Cutting Capacity - Medium Metal		0.492" (12.5 mm) Med Met. 33.5 HRC	
7	Cutting Capacity - Hard Metal		0.433" (11 mm) Hard Met.48 HRC	
8	Material		Stainless Steel	
9	Portable	yes/no	YES	
10	Manufacturer manual included?	yes/no	YES	
11	Manufacturer maintenance & care schedule included?	yes/no	YES	
12	Manufacturer is certified to ISO 9001	yes/no	YES	
13	Warranty	months	24	

AC-DC Clamp on Digital Multi-meter

1.0 Scope

This specification covers the design, supply and performance requirements for an AC/DC Clamp on Digital Multimeter. The AC/DC Clamp on Digital Multimeter used for high current clamp-on amp meter measurement with an extra-wide jaw to easily clamps around large conductors, typically found in high-current applications. The extra rugged design and safety ratings add an extra element of user protection when taking high-powered measurements. It also measures voltage and resistance, making this an ideal clamp meter for utilities, electrical contractors and service technicians.

2.0 Applicable Codes and Standards

The latest revision of the following codes and standards shall be applicable for the equipment/materials covered in this specification. In case of any deviation, the vendor/manufacturer may propose equipment/material conforming to an alternate code or standard.

- IEC 61326-1: Portable, Electromagnetic Environment
- IEC 61010-2-032, 600 V CAT IV, 1000 V CAT III: Safety requirements for electrical equipment for measurement, control and laboratory use
 - Part 2-032: Particular requirements for hand-held and hand-manipulated current sensors for electrical test and measurement
- ANSI/ISA S82.02.01:2004: Safety Standard for Electrical and Electronic Test, Measuring, Controlling and Related Equipment
- CAN/CSA-C22.2 No. 61010-1-04: Part 1: General safety requirements
- IEC/EN 61010-1:2001 to 1000V CAT III, 600V CAT IV.

3.0 Service Conditions

The AC/DC Clamp on Digital Multimeter and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The AC/DC Clamp on Digital Multimeter shall be designed and protected with an IP rating of 42 (Indoor use) and a 1m drop test

4.0 Technical Specification

The AC/DC Clamp on Digital Multimeter shall conform to the technical requirements given below:

- Shall be lightweight (1.8 lbs.) for ease of operation by the operator.
- Shall have a jaw size capable of reaching 2.28” easily clamps around large conductors.

- Dimensions reaching 12" x 3.75" x 2"
- Operating Temperature @ -22° to +140° F & -30° to +60° C
- Shall be capable of operating between 47Hz – 53Hz/ 57Hz-63Hz for more accurate readings
- Shall be capable of measuring a range of DC and AC current (10 Hz to 100 Hz) between 40 A / 400 A / 2000 A / 1400 AC rms
- Shall be capable of measuring a range of AC current (100.1 Hz to 1 kHz) between 40 A / 400 A / 2000 A; 1400 AC rms
- Shall be capable of measuring a range of voltage measurement DC and AC 10 Hz to 100 Hz with Ranges between 4 V / 40 V / 400 V / 600 V AC rms / 1000 VDC
- Shall be capable of measuring a range of AC voltage measurement 100.1 Hz to 1 kHz with Ranges between 4 V / 40 V / 400 V / 600 V ac rms
- Shall provide resistance measurement between the Ranges 4 kΩ / 40 kΩ / 400 kΩ
- Shall be coupled with a continuity beeper provide the convenience of a multimeter in a clamp meter.
- Frequency measurement range 5.0 Hz - 1 kHz
- Quickly analyze readings using the MIN, MAX, and AVG functions
- A large backlit display allows for easy visibility in low-lit areas
- Shall be easily portable.
- Shall be provided with 1 pair TP2 test probes
- Shall be provided with 1 pair AC285 alligator clips
- Shall utilize TL224 1.5 m silicone rubber test leads rated to 1000 V
- Utilizes Nine (9) Volt Lithium Ion Rechargeable Battery
- A User Guide shall be provided
- Zippered soft carrying case
- One - three years product warranty

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the AC/DC Clamp on Digital Multimeter along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each AC/DC Clamp on Digital Multimeter serial/ control number.

Guyana Power & Light has the rights to reject any AC/DC Clamp on Digital Multimeter that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Each AC/DC Clamp on Digital Multimeter shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturers name or trademark

Month & Year of manufacture

Serial Number

Maximum Ratings

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the AC/DC Clamp on Digital Multimeter. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

The AC/DC Clamp on Digital Multimeter shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee each AC/DC Clamp on Digital Multimeter is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

Small & Large Power Chain-Saw

1.0 Scope

This specification covers the design, supply and performance requirements for both large and small scale power chain saw required by Guyana Power & Light. Power chain saw shall be use but not limited to application such as tree felling, limbing, bucking, pruning, cutting of soft and hard wood species.

2.0 Service Conditions

The Wood Boring Drill and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

Maximum altitude above mean sea level less than 1,000 m;

Maximum ambient air temperature 400C;

Maximum daily average ambient air temperature 300C;

Minimum ambient temperature 150C; and

Maximum relative humidity 100%.

3.0 Technical Specification

3.1 Small

The “small” classification of power chain saw shall conform to the technical requirements given below:

Displacement	76.5 cc.
Power output	4.5 kW
Weight (kg / lb.)	6.7 / 14.8
Guide Bar Lengths	16" - 32"

Shall be equipped with a gasoline-powered engine.

Shall be portable.

Shall comprise of ergonomic design for easy operation.

Shall be equip with an Anti-Vibration System feature for minimizing the vibration levels.

Shall be equip with an ElastoStart feature for smooth starting of the chain saw.

Shall be equip with a pre-separation air filtration system.

Fuel cap shall be of “tool free.”

Shall be equip with a side-mounted chain tensioning screw. This tensioning screw can be found on the side of the chain saw through the sprocket cover.

All important functions such as start, choke, throttle and stop shall be operated through a single lever.

3.2 Large

The “large” classification of power chain saw shall conform to the technical requirements given below:

Displacement 91.11 cc.

Power output 5.37 kW

Powerhead weight 7.39 kg

Guide Bar Lengths 25 in.

Chain Oil Capacity 361 ml.

Shall be equipped with a gasoline-powered engine.

Shall be portable.

Shall comprise of ergonomic design for easy operation.

Shall be equip with an Anti-Vibration System feature for minimizing the vibration levels.

Shall be equip with an ElastoStart feature for smooth starting of the chain saw.

Fuel cap shall be of “tool free.”

Shall be equip with a side-mounted chain tensioning screw. This tensioning screw can be found on the side of the chain saw through the sprocket cover.

4.0 Conceptual Drawing

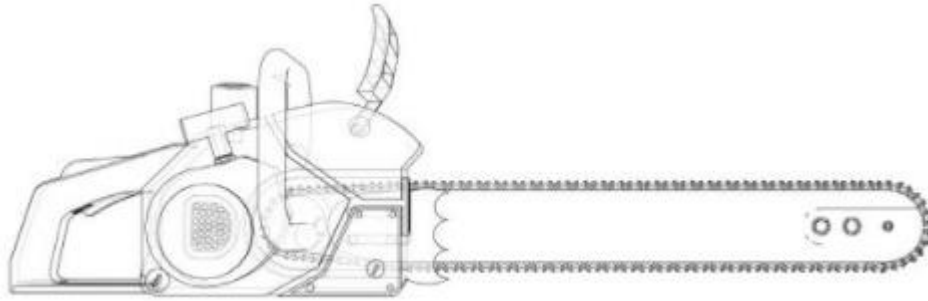


Figure 6 - Note the Drawing above is a conceptual drawing of the Power Chain Saw

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the power chain saw along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each power chain serial/ control number.

Guyana Power & Light has the rights to reject any power drill that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Each wood boring drill shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturers name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the power chain saw. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Power chain saw shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee each power chain saw is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR LARGE POWER CHAIN SAW

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Displacement	cc	91 - 92	
3	Power Output	kW	5.2 - 5.4	
4	Weight	Kg.	7 - 8	
5	Patrol	-	Gasoline	
6	Portable	yes/no	YES	
7	Guide Bar Lengths	inch	25	
8	Chain Oil Capacity	ml	361	
9	Anti-Vibration System	yes/no	YES	
10	Tool free fuel cap	yes/no	YES	
11	Side-mounted chain tensioning	yes/no	YES	
12	Manufacturer manual included?	yes/no	YES	
13	Manufacturer maintenance & care schedule included?	yes/no	YES	
14	Manufacturer is certified to ISO 9001	yes/no	YES	
15	Warranty	months	12	

SCHEDULE 2: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR SMALL POWER CHAIN SAW

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Displacement	cc.	76 - 77	
3	Power Output	kW	4.0 - 4.6	
4	Weight	Kg.	6 - 7.	
5	Patrol	-	Gasoline	
6	Portable	yes/no	YES	
7	Recommended Guide Bar Lengths	inch	16 - 32.	
8	Anti-Vibration System	yes/no	YES	
9	Tool free fuel cap	yes/no	YES	
10	Side-mounted chain tensioning	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	12	

Manual Cable Cutter 32 Inches

1.0 Scope

This specification covers the design, supply and performance requirements for: **Manual Cable Cutter 32 inch** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- Cable Cutter shall have handle made with Fiberglass materials with soft grips
- Cable Cutter shall rugged and high-quality steel blades
- Cable Cutter should be able to operate up to 1000 kcmil Copper/ Aluminum

3.0 Technical Specification

Application	Industrial Cutting Utility
Length	32 Inches
Weight	9 lbs
OSHA & ASTM F711 Tested	Yes
EU RoHS Indicator	Yes
Cable Insulation Diameter Maximum	1.9 – 2 inches
Crimping Ranges	Copper up to 1000 kcmil; Aluminum: up to 1000 kcmil

4.0 Conceptual Drawing

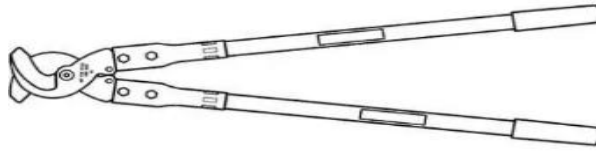


Figure 7 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Manual Cable Cutter 32 inch** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Manual Cable Cutter 32 inch shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturer's name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Manual Cable Cutter 32 inch. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Manual Cable Cutter 32 inch shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Manual Cable Cutter 32 inch is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Manual Cable Cutter 32 inch

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	lbs	9	
3	Length	inches	32	
4	Portable	yes/no	YES	
5	Cable Insulation Diameter Maximum	Inch	1.9 – 2	
6	Crimping Ranges	kcmil	Cu-1000; Al: 1000	
7	Manufacturer manual included?	yes/no	YES	
8	Manufacturer maintenance & care schedule included?	yes/no	YES	
9	Manufacturer is certified to ISO 9001	yes/no	YES	
10	Warranty	months	24	

Insulator Tester

1.0 Scope

This specification covers the design, supply and performance requirements for Insulator Tester required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The Insulator Tester shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

The Insulator tester shall be capable of testing de-energized porcelain, glass, suspension or cap, and pin insulators.

The Insulator tester shall be a self-contained unit.

The insulator tester should have adjustable terminals to facilitate testing of different conductor size.

The Insulator tester shall have LED to indicate status of item tested.

3.0 Technical Specification

Application	Industrial Outdoor / Indoor Insulators
Voltage Range (KV)	15-100
Maximum leakage current	50-60 Microamps
Battery Technology	Lithium-ion
Operating Temperature Range	-25°F (-32°C) to 125°F (52°C)
Operating frequency	60 Hz
Attachment	Universal spline to a Hot Stick
Potential Across Conductor	10-10.5 kVDC
IP Rating	IP – 65

4.0 Conceptual Application Drawing

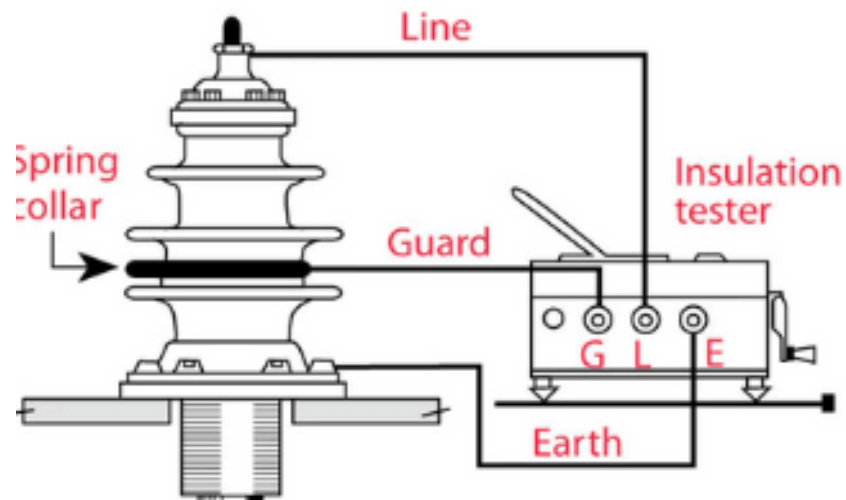


Figure 8 - Note the Drawing above is a conceptual drawing Application of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Insulator Tester with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Insulator Tester shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturer's name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Insulator Tester. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Insulator Tester shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Insulator Tester is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Insulator Tester

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	1.3-1.5	
3	Maximum leakage current	A	50-60 Micro amps	
4	Battery Technology	-	Lithium-ion	
5	Frequency	HZ	60	
6	Operating Temperature Range	-	-25°F (-32°C) to 125°F (52°C)	
7	Potential across conductor	-	10-10.5 kvdc	
8	IP Rating	-	IP 65	
9	Attachment		Universal Spline	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	24	

Insulator Tester 69kv

1.0 Scope

This specification covers the design, supply and performance requirements for **Insulator Tester** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The Insulator Tester shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

The Insulator tester shall be capable of testing de-energized porcelain, glass, suspension or cap, and pin insulators.

The Insulator tester shall be a self-contained unit.

The insulator tester should have adjustable terminals to facilitate testing of different conductor size.

The Insulator tester shall have LED to indicate status of item tested.

3.0 Technical Specification

Application	Industrial Outdoor / Indoor Insulators
Voltage Range (KV)	15-100
Maximum leakage current	50-60 Microamps
Battery Technology	Lithium-ion
Operating Temperature Range	-25°F (-32°C) to 125°F (52°C)
Operating frequency	60 Hz
Attachment	Universal spline to a Hot Stick
Potential Across Conductor	10-10.5 kVDC
IP Rating	IP – 65

4.0 Conceptual Application Drawing

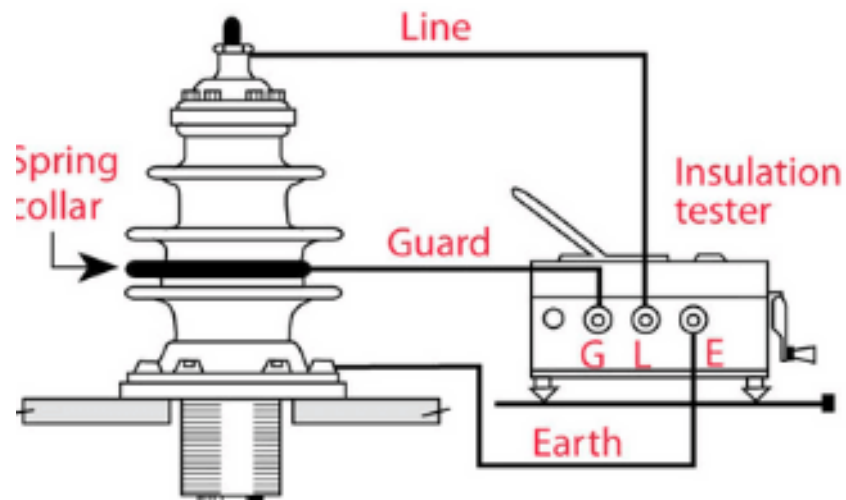


Figure 9 - Note the Drawing above is a conceptual drawing Application of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Insulator Tester with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirements stipulated in this specification.

6.0 Marking

Insulator Tester shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturer's name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Insulator Tester. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Insulator Tester shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Insulator Tester is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Insulator Tester 69kv

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	1.3-1.5	
3	Maximum leakage current	A	50-60 Micro amps	
4	Battery Technology	-	Lithium-ion	
5	Frequency	HZ	60	
6	Operating Temperature Range	-	-25°F (-32°C) to 125°F (52°C)	
7	Potential across conductor	-	10-10.5 kvdc	
8	IP Rating	-	IP 65	
9	Attachment		Universal Spline	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	24	

Thermal Imaging Camera

1.0 Scope

This specification describes the minimum technical requirement for the design and engineering for the Thermal Imaging Camera. The thermal imaging camera will be used for visual and thermal inspection of Guyana Power & Light (GPL) transmission and distribution network.

2.0 Service Conditions

The Thermal Camera shall be suitable for satisfactory operation under climatic conditions listed below: -

Maximum altitude above mean sea level less than 1,000 m;

Maximum ambient air temperature 40°C;

Maximum daily average ambient air temperature 30°C;

Minimum ambient temperature 15°C; and

Maximum relative humidity 100%.

3.0 System Parameters: -

The systems on which the Thermal Camera will be inspecting are:

Voltage Range 100 V – 230 kV

Nominal Frequency (±5%) 60Hz

4.0 Technical Specification

The Thermal Camera shall have the technical particulars as detailed below:

Infrared Resolution 640 x 480 pixels

Visual Camera Resolution 1.2 Megapixels

Built-in visual Camera 5 Megapixels, Fixed Focus, built in LED Light

Thermal Sensitivity <30mK @ 300°C (860 F), 42° Lens

Temperature Range -20°C to 120°C (-4°F to 248°F)

Ks 0°C to 650°C (32°F to 1202°F)

Ks	300oC to 1500oC (572oF to 2732oF)
Accuracy	±2oC (±3.6oF) or ±2% of the reading
Focus Modes	Continuous LDM, one shot LDM, one-shot.....contrast, and manual.
Digital Zoom	1-8x Continuous
Lenses	24o
Communication Modes	USB 2.0, Bluetooth, Wi-Fi, Display Port
Display	640 x 480 pixels
Drop-Testing	2m (6.6ft)
Battery operation time (typical use)	>2.5 Hours

5.0 Accessories

The following accessories shall be provided with the thermal camera:

24oLens

SD Card (>8GB)

USB 2.0 A to USB Type-C Cable

USB Type C to HDMI Adaptor

Screws

Front Protection and its Fastener

Lens Cap Strap

Wrist Strap

Lens Cap, Front

Hand Strap

Hard Carrying Case

Power Supply for Battery Charger

Power Supply, 15W/ 3A

Battery Charger

2x Battery

NOTE:

An advance reporting software must be supplied with the thermal imaging camera.

The supplier shall submit the software specification.

A perpetual license shall be given.

One (1) day training shall be schedule by the manufacturer.

One (1) Hard Transport Case shall be provided that is recommended for the Thermal Imaging Camera.

6.0 Packing & Shipment

The Thermal Camera shall be packed in such a manner so as to prevent damage to components during transportation and handling.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier must provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Guarantee

Vendor shall guarantee the Thermal Camera against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year.

9.0 Technical Data Schedule

Requirements for Thermal Camera

Item No. _____

S/ N	Description	Unit	GPL Specified Values	Bidders' Proposed Values
1	Infrared Resolution	Pixels	640 x 480	
2	Visual Camera Resolution	Megapixels	1.2	
3	Built-in visual Camera	Megapixels	5 (Fixed Focus, built in LED Light)	
4	Thermal Sensitivity	mK	<30 (@ 300C (860 F), 42o Lens)	
5	Temperature Range	Deg-Celsius	.-20oC to 120oC	
6	Accuracy	Deg-Celsius	±2	
7	Focus Modes	-	Continuous LDM, one shot LDM, one-shot contrast, and manual.	
8	Digital Zoom	-	1-8x Continuous	
9	Lenses	-	24o	
10	Communication Modes	-	USB 2.0, Bluetooth, Wi-Fi, Display Port	
11	Display	Pixels	640 x 480	
12	Drop-Testing	Meters	2	
13	Battery operation time (typical use)	Hours	>2.5	
14	24oLens	Yes/No	Yes	
15	SD Card (>8GB)	Yes/No	Yes	
16	USB 2.0A to USB Type-C Cable	Yes/No	Yes	
17	USB Type C to HDMI Adaptor	Yes/No	Yes	

18	Screws	Yes/No	Yes	
19	Front Protection and its Fastener	Yes/No	Yes	
20	Lens Cap Strap	Yes/No	Yes	
21	Wrist Strap	Yes/No	Yes	
22	Lens Cap, Front	Yes/No	Yes	
23	Hand Strap	Yes/No	Yes	
24	Hard Carrying Case	Yes/No	Yes	
25	Power Supply for Battery Charger	Yes/No	Yes	
26	Power Supply, 15W/ 3A	Yes/No	Yes	
27	Battery Charger	Yes/No	Yes	
28	2x Battery	Yes/No	Yes	
29	Thermal Imaging Software	Yes/No	Yes	
30	Perpetual License	Yes/No	Yes	
31	Hard Transport Case	Yes/No	Yes	

Camera Drone

1.0 Scope

This specification covers the design, supply and performance requirements for **Camera Drone** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The camera drone flight Autonomy is an advanced aerial intelligence and flight automation platform, giving filmmakers the confidence to capture more complex images

The camera drone shall have a real-time view of its environment and 3D map to provide crucial data.

The camera drone shall employ time-division multiplexing technology to send control signals and receive video signals simultaneously, which allows for 1080p livestreaming at a distance of up to 10-12 Km

The Camera Drone shall have an advanced battery management system in place to prevent overcharging and over-draining. When placed in long term storage, batteries will discharge power to maintain good health.

3.0 Technical Specification

Weight (Battery & Propellers Included)	1.3-1.5 kg
Diagonal Size (Propellers Excluded)	350 mm
Max Ascent Speed	S-mode: 6 m/s
Max Speed	S-mode: 45 mph (72 kph) A-mode: 36 mph (58 kph) P-mode: 31 mph (50 kph)

Max Service Ceiling Above Sea Level	19685 ft (6000 m)
Max Wind Speed Resistance	10 m/s
Max Flight Time	Approx. 30 minutes
Operating Temperature Range	32° to 104°F (0° to 40°C)
Satellite Positioning Systems	GPS/GLONASS
Hover Accuracy Range	
Vertical:	±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning)
Horizontal:	±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)
Downward Vision System	
Velocity Range	≤31 mph (50 kph) at 6.6 ft (2 m) above ground
Altitude Range	0-33 ft (0-10 m)

Operating Range	0-33 ft (0-10 m)
Obstacle Sensory Range	2-98 ft (0.7-30 m)
Measuring Frequency	Forward: 10 Hz
	Backward: 10 Hz
	Downward: 20 Hz

Video Recording Modes

H.265

C4K: 4096×2160 24/25/30p @100Mbps

4K: 3840×2160 24/25/30p @100Mbps

2.7K: 2720×1530 24/25/30p @65Mbps

2.7K: 2720×1530 48/50/60p @80Mbps

FHD: 1920×1080 24/25/30p @50Mbps

FHD: 1920×1080 48/50/60p @65Mbps

FHD: 1920×1080 120p @100Mbps

HD: 1280×720 24/25/30p @25Mbps

HD: 1280×720 48/50/60p @35Mbps

HD: 1280×720 120p @60Mbps

H.264

C4K: 4096×2160 24/25/30/48/50/60p @100Mbps

4K: 3840×2160 24/25/30/48/50/60p @100Mbps

2.7K: 2720×1530 24/25/30p @80Mbps

2.7K: 2720×1530 48/50/60p @100Mbps

FHD: 1920×1080 24/25/30p @60Mbps

FHD: 1920×1080 48/50/60 @80Mbps

FHD: 1920×1080 120p @100Mbps

HD: 1280×720 24/25/30p @30Mbps

HD: 1280×720 48/50/60p @45Mbps

HD: 1280×720 120p @80Mbps

Max Video Bitrate

100 Mbps

Supported File Systems

FAT32 (≤32 GB); exFAT (>32 GB)

Photo

JPEG, DNG (RAW), JPEG + DNG

Video

MP4/MOV (AVC/H.264; HEVC/H.265)

Supported SD Cards

microSD

Max Capacity: 128 GB

Write speed ≥15MB/s, Class 10 or UHS-1 rating required

Operating Temperature Range

32° to 104°F (0° to 40°C)

Remote Controller

Operating Frequency

2.400-2.483 GHz and 5.725-5.850 GHz

Max Transmission Distance

2.400-2.483 GHz, 5.725-5.850 GHz (Unobstructed, free of interference)

FCC: 10000 m

CE: 6000 m

SRRC: 6000 m

MIC: 6000 m

Operating Temperature Range

32° to 104°F (0° to 40°C)

Battery

6000 mAh LiPo 2S

Transmitter Power (EIRP)

2.400-2.483 GHz

FCC: 26 dBm

CE: 20 dBm

SRRC: 20 dBm

MIC: 17 dBm

5.725-5.850 GHz

FCC: 26 dBm

CE: 14 dBm

SRRC: 20 dBm

MIC: -

Operating Current/Voltage

1.2 A@7.4 V

Video Output Port

GL300K: HDMI

GL300L: USB

Mobile Device Holder

GL300K: Built-in display device (5.5-inch screen, 1920×1080, 1000 cd/m², Android system, 4 GB RAM + 16 GB ROM)

GL300L: Tablets and smart phones

Charger

Voltage

17.4 V

Rated Power

100 W

Intelligent Flight Battery

Capacity

5870 mAh

Voltage

15.2 V

Battery Type

LiPo 4S

Energy

89.2 Wh

Net Weight

468 g

Charging Temperature Range

41° to 104°F (5° to 40°C)

Max Charging Power

160 w

4.0 Conceptual Drawing

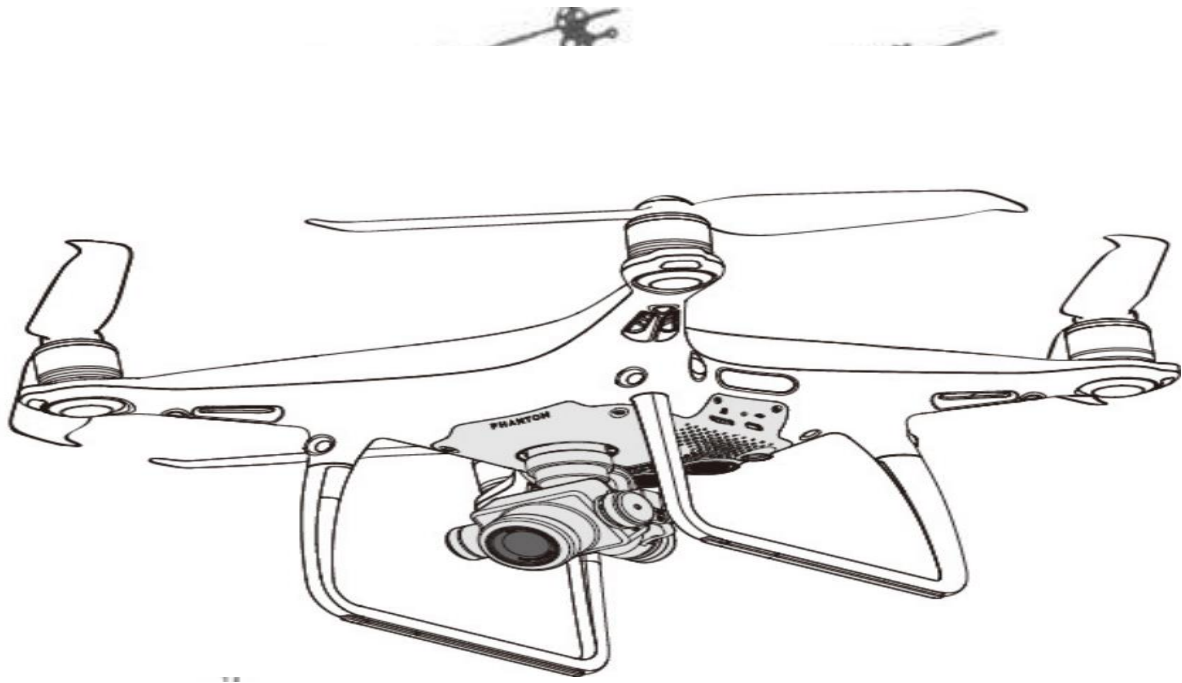


Figure 10 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Camera Drone with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Camera Drone shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

Manufacturers Model

Manufacturer's name or trademark

Month & Year of manufacture

Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Camera Drone. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Camera Drone shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Camera Drone is against defects arising out of faulty design, workmanship, or defective material for a period of two (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Camera Drone

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	lbs.	3-3.5	
3	Max Speed	mph	45	
4	Max Service Ceiling Above Sea Level	meters	6000	
5	Max Wind Speed Resistance	m/s	10	
6	Max Flight Time	min	30-45	
7	Video Output Port		HDMI, USB	
8	Battery Capacity	mAh	5500-6000	
9	Portable	yes/no	YES	
10	Satellite Positioning Systems		GPS	
11	Obstacle Sensory Range	meters	.2-7	
12	Max Video Bitrate	Mbps	100	
13	Max Transmission Distance	meters	6000-10000	
14	Manufacturer manual included?	yes/no	YES	
15	Manufacturer maintenance & care schedule included?	yes/no	YES	
16	Manufacturer is certified to ISO 9001	yes/no	YES	
17	Warranty	months	60	

Power Chain Saw (Large and Small)

1.0 Scope

This specification covers the design, supply and performance requirements for both large and small scale power chain saw required by Guyana Power & Light. Power chain saw shall be use but not limited to application such as tree felling, limbing , bucking, pruning, cutting of soft and hard wood species.

2.0 Service Conditions

The Wood Boring Drill and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

3.0 Technical Specification

3.1 Small

The “small” classification of power chain saw shall conform to the technical requirements given below:

- Displacement 76.5 cc.
- Power output 4.5 kW
- Weight (kg / lb.) 6.7 / 14.8
- Guide Bar Lengths 16" - 32"
- Shall be equipped with a gasoline-powered engine.
- Shall be portable.
- Shall comprise of ergonomic design for easy operation.
- Shall be equip with an Anti-Vibration System feature for minimizing the vibration levels.
- Shall be equip with an ElastoStart feature for smooth starting of the chain saw.
- Shall be equip with a pre-separation air filtration system.
- Fuel cap shall be of “tool free.”
- Shall be equip with a side-mounted chain tensioning screw. This tensioning screw can be found on the side of the chain saw through the sprocket cover.

- All important functions such as start, choke, throttle and stop shall be operated through a single lever.

3.2 Large

The “large” classification of power chain saw shall conform to the technical requirements given below:

- Displacement 91.11 cc.
- Power output 5.37 kW
- Powerhead weight 7.39 kg
- Guide Bar Lengths 25 in.
- Chain Oil Capacity 361 ml.
- Shall be equipped with a gasoline-powered engine.
- Shall be portable.
- Shall comprise of ergonomic design for easy operation.
- Shall be equip with an Anti-Vibration System feature for minimizing the vibration levels.
- Shall be equip with an ElastoStart feature for smooth starting of the chain saw.
- Fuel cap shall be of “tool free.”
- Shall be equip with a side-mounted chain tensioning screw. This tensioning screw can be found on the side of the chain saw through the sprocket cover.

4.0 Conceptual Drawing

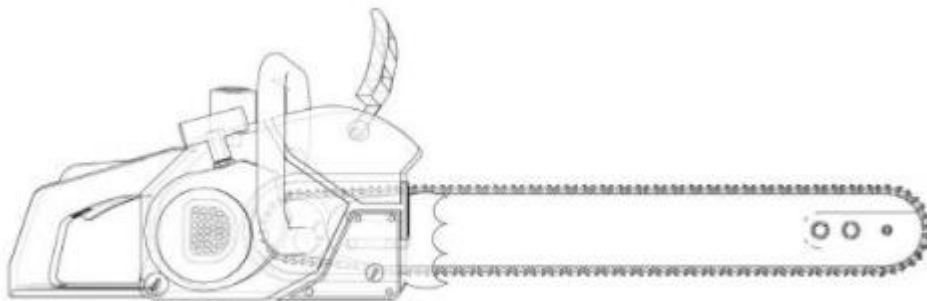


Figure 11 - Note the Drawing above is a conceptual drawing of the Power Chain Saw

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the power chain saw along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each power chain serial/ control number.

Guyana Power & Light has the rights to reject any power drill that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Each wood boring drill shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the power chain saw. Additionally, a recommended *Maintenance and Care Schedule* shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Power chain saw shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee each power chain saw is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR LARGE POWER CHAIN SAW

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Displacement	cc	91 - 92	
3	Power Output	kW	5.2 - 5.4	
4	Weight	kg.	7 - 8	
5	Patrol	-	Gasoline	
6	Portable	yes/no	YES	
7	Guide Bar Lengths	inch	25	
8	Chain Oil Capacity	ml	361	
9	Anti-Vibration System	yes/no	YES	
10	Tool free fuel cap	yes/no	YES	
11	Side-mounted chain tensioning	yes/no	YES	
12	Manufacturer manual included?	yes/no	YES	
13	Manufacturer maintenance & care schedule included?	yes/no	YES	
14	Manufacturer is certified to ISO 9001	yes/no	YES	
15	Warranty	months	12	

SCHEDULE 2: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR SMALL POWER CHAIN SAW

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Displacement	cc.	76 - 77	
3	Power Output	kW	4.0 - 4.6	
4	Weight	Kg.	6 - 7.	
5	Patrol	-	Gasoline	
6	Portable	yes/no	YES	
7	Recommended Guide Bar Lengths	inch	16 - 32.	
8	Anti-Vibration System	yes/no	YES	
9	Tool free fuel cap	yes/no	YES	
10	Side-mounted chain tensioning	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	12	

High Voltage Digital Ammeter

1.0 Scope

This specification covers the design, supply and performance requirements **High Voltage Digital Ammeter** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **High Voltage Digital Ammeter** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The High Voltage Digital Ammeter shall have the ability to take accurate current measurements when performing high voltage live-line load checks for balancing, switching, or breaking load.
- The High Voltage Digital Ammeter linear current sensor shall give accurate readings in every electric utility setting from 1 amp to 5000 amps, while in low to high voltage environments of up to 500 kV
- The High Voltage Digital Ammeter amp sensor opening should be electronically closed, while external currents are electronically rejected. The sensor design shall enable the user to measure an individual conductor within close proximity to adjacent current carrying conductors.

3.0 Technical Specification

Application	Industrial Utility Measurement
Voltage Range	0-500kV
Current Range	1-5000A
Sensor Opening	2.5 in, 6.35 cm
Accuracy	± 1%, ± 2 Counts
Frequency Range	57 to 63 Hz
Operating Temperature	-22° to +140° F, -30° to +60° C
Housing	Shock & water resistant
Controls	Single button operation Preferred

4.0 Conceptual Drawing

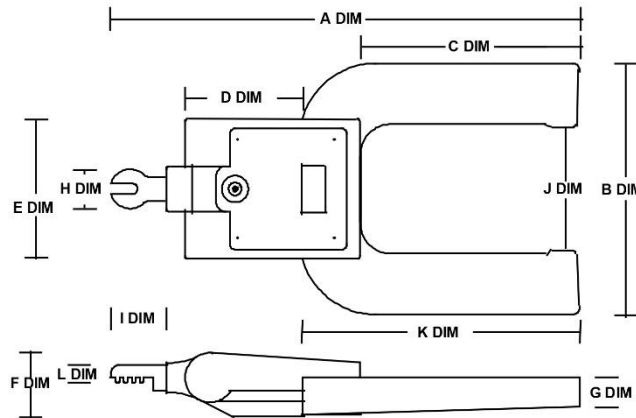


Figure 12 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **High Voltage Digital Ammeter** with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

High Voltage Digital Ammeter shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark

- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **High Voltage Digital Ammeter** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

High Voltage Digital Ammeter shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **High Voltage Digital Ammeter** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for High Voltage Digital Ammeter

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	kg.	2-2.5	
3	Voltage Range	inches	0-500kV	
4	Current Range	inches	1-5000A	
5	Sensor Opening	inches	2.5 in, 6.35 cm	
6	Accuracy		± 1%, ± 2 Counts	
7	Frequency Range		57 to 63 Hz	
8	Operating Temperature		-22° to +140° F, -30° to +60° C	
9	Portable	yes/no	YES	
10	Manufacturer manual included?	yes/no	YES	
11	Manufacturer maintenance & care schedule included?	yes/no	YES	
12	Manufacturer is certified to ISO 9001	yes/no	YES	
13	Warranty	months	24	

Power Quality Meter

1.0 Scope

This specification covers the design, supply and performance requirements for a Qualstik Power Quality Meter. developed specifically for measurement of four important items of power quality namely Current, True Power Factor, Total Harmonic Distortion (THD) and the Direction of Current Flow which is outputted onto the graphic LCD display.

2.0 Applicable Codes and Standards

The latest revision of the following codes and standards shall be applicable for the equipment/materials covered in this specification. In case of any deviation, the vendor/manufacturer may propose equipment/material conforming to an alternate code or standard.

- IEC 61010-1:
 - Part 1: General safety requirements
- IEC 60060 -1
 - High Voltage Test Techniques
- IEC 61326-1:
 - Portable, Electromagnetic Environment
- IEC 61326-2-2 CISPR 11: Group 1, Class A
 - Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.
 - Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.
- IEC 61010-031
 - Part 031: Safety requirements for handheld probe assemblies for electrical measurement and test
- IEC 61010-2-030
 - PART 2-030: Particular requirements for equipment having testing or measuring circuits

3.0 Service Conditions

The Qualstik and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;

- Maximum daily average ambient air temperature 30°C;
- Minimum ambient temperature 15°C; and
- Maximum relative humidity 100%.

The Qualstik shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions. The housing is resistant to shock, water repellent, flame retardant and operates in a wide temperature environment.

4.0 Technical Specification

The Qualstik shall conform to the technical requirements given below:

- Shall be lightweight (3.0 lbs -3.5 lbs) and portable with ergonomic design for ease of operation by the operator.
- Sensor Opening capable of reaching 2.5” – 3.86” to properly contact the lines.
- Operating Temperature @ -22° to +140° F & -30° to +60° C
- Shall be capable of operating at 50/60 Hz
- Shall be capable of measuring a range of current between 1-2000A
- Shall be capable of measuring a range of voltage between phases of 600v-500Kv
- Measures leading or lagging power factor from 0.01 lag to 0.01 Lead
- Capable of surveying primary lines for total harmonic distortion (THD) from 1 -100%
- Capable of detecting the direction of current flow either Amps in or Amps Out.
- Compatible with standard hot stick mounting utilizing a universal chuck adapter
- Can hold tested recordings up to nine sets of readings
- Shall be easily portable.
- Utilizes an Alkaline 9-Volt Battery
- User Guide
- Zippered Carry Case or Optional replacement light/heavy duty carrying case
- One-year product warranty

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Qualstik along with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each Qualstik serial/ control number.

Guyana Power & Light has the rights to reject any Qualstik that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Each Qualstik shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number
- Highest Rated voltage.

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Qualstik. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001 as all Qualstiks must successfully passed international test standards indicated by CE. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Qualstik shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee each Qualstik is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR QUALSTIK

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	3.5	
3	Portable	yes/no	YES	
4	Max Amperage	Amps	2000	
5	Jaw Size	Inch	3.86	
6	Max Voltage	KV	500	
7	Operational Frequency	HZ	50/60	
8	Max PF	-	0.01	
9	Max THD	%	1-100	
10	Manufacturer manual included?	yes/no	YES	
11	Manufacturer maintenance & care schedule included?	yes/no	YES	
12	Manufacturer is certified to ISO 9001	yes/no	YES	
13	Warranty	months	12	

Roller Tape (Digital)

1.0 Scope

This specification covers the design, supply and performance requirements for: Roller Wheel measuring Instrument (digital) required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- Measures in standard US or Metric up to 9,999,999 feet, meters, yards or inches with 99.5% accuracy; so, you always have the right wheel
- Rolls to accurately find length, width, height/depth, square areas, cubic volumes, perimeters and circular calculations; gets it done faster
- Center-line design for balance and stability, top-mounted controls with backlit display eliminates stooping, bending or squinting
- Reinforced handle, protective bumpers, sturdy metal shaft, heavy duty 12.5-inch diameter wheel and sealed gear-driven for jobsite durability

3.0 Technical Specification

Application	Industrial
Used for	On Field Site Measurement
Wheel Size	12.6" cm
EU RoHS Indicator	Yes
Wheel Accuracy	99.5-100 %

Operating temperature	0 degree -40degrees
Display Capacity	7 Digits

4.0 Conceptual Drawing



Figure 13 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Roller Wheel measuring Instrument (digital) with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Product shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture

- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Roller Wheel measuring Instrument (digital). Additionally, a recommended *Maintenance and Care Schedule* shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Roller Wheel measuring Instrument (digital) shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Roller Wheel measuring Instrument (digital) is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for ROLLER WHEEL MEASURING INSTRUMENT (DIGITAL)

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	1.9-2.2	
3	Portable	yes/no	YES	
4	Manufacturer manual included?	yes/no	YES	
5	Manufacturer maintenance & care schedule included?	yes/no	YES	
6	Manufacturer is certified to ISO 9001	yes/no	YES	
7	Warranty	months	24	

Non-Contact Voltage Detector

1.0 Scope

This specification covers the design, supply and performance requirements for **Non-Contact Voltage Detector** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Non-Contact Voltage Detector** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Non-Contact Voltage Detector shall have a mechanical slide switch for function selection:
HIGH / OFF / LOW
- The Non-Contact Voltage Detector shall provide good optional accessories of Hot Sticks HS-175 and HS-120 for high voltage detection
- The Non-Contact Voltage Detector shall have a bright LED and audible alarm sound when voltage is present
- The Non-Contact Voltage Detector Shall be Efficient and easy to use
- The Non-Contact Voltage Detector Shall be Lightweight, robust and compact.

3.0 Technical Specification

Application	Industrial Utility
Voltage Range (KV)	1.5-132
Battery Technology	Lithium-ion
Operating Temperature Range	0°C~50°C
Operating frequency	60 Hz
Power source	9 v
IP Rating	IP – 65

4.0 Conceptual Application Drawing

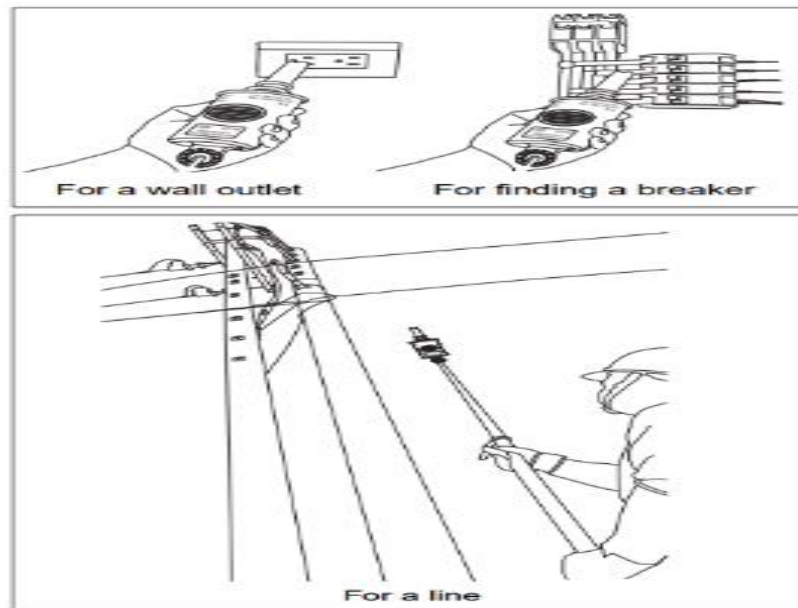


Figure 14 - Note the Drawing above is a conceptual drawing Application of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Non-Contact Voltage Detector** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Non-Contact Voltage Detector shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture

- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Non-Contact Voltage Detector** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Non-Contact Voltage Detector shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Non-Contact Voltage Detector** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Non-Contact Voltage Detector

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	1.75-2	
3	Power source	VDC	9	
4	Battery Technology	-	Lithium-ion	
5	Frequency	HZ	60	
6	Operating Temperature Range	-	0°C~50°C	
7	Safety standards	-	EN 61326-1, EN 61000-4-3	
8	IP Rating	-	IP 65	
9	Attachment		Universal Spline	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	24	

Tirfor Jack 2 Ton

1.0 Scope

This specification covers the design, supply and performance requirements for a **2 Ton Tirfor Jack**. The **2 Ton Tirfor Jack** shall be use but not limited to the lifting of structures or equipment in which to have the relevant jobs done.

2.0 Service Conditions

The **2 Ton Tirfor Jack** and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The **2 Ton Tirfor Jack** shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions

3.0 Technical Specification

The **2 Ton Tirfor Jack** shall conform to the technical requirements given below:

- Shall be lightweight (90-93lbs) for ease of operation by the operator.
- Shall be portable.
- Shall be available to accept a wide range of bit sizes.
- Shall comprise of ergonomic design for easy operation.
- Stroke: 13 in.
- Lifting Capacity: 15-20 Tons
- Minimum Height: 23.25 inches
- Shall be made either of Alloy Steel, heat treat steel and deep forged

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Ratchet Jack along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each **2 Ton Tirfor Jack** serial/ control number.

Guyana Power & Light has the rights to reject any Product that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

The 2 Ton Tirfor Jack shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **2 Ton Tirfor Jack**. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

2 Ton Tirfor Jack shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee the **2 Ton Tirfor Jack** is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR the 2 Ton Tirfor Jack

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	93	
3	Minimum Height	Inches	23.25	
4	Portable	yes/no	YES	
5	Stroke	Inches	13	
6	Capacity	Tons	15-20	
7	Manufacturer manual included?	yes/no	YES	
8	Manufacturer maintenance & care schedule included?	yes/no	YES	
9	Manufacturer is certified to ISO 9001	yes/no	YES	
10	Warranty	months	12	

Ratchet Jack

1.0 Scope

This specification covers the design, supply and performance requirements for a Ratchet Jack. The Ratchet Jack shall be use but not limited to the lifting of structures or equipment in which to have the relevant jobs done.

2.0 Service Conditions

The Ratchet Jack and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The Ratchet Jack shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions

3.0 Technical Specification

The Ratchet Jack shall conform to the technical requirements given below:

- Shall be lightweight (90-93lbs) for ease of operation by the operator.
- Shall be portable.
- Shall be available to accept a wide range of bit sizes.
- Shall comprise of ergonomic design for easy operation.
- Stroke: 13 in.
- Lifting Capacity: 15-20 Tons
- Minimum Height: 23.25 inches
- Shall be made either of Alloy Steel, heat treat steel and deep forged

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Ratchet Jack along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Ratchet Jack serial/ control number.

Guyana Power & Light has the rights to reject any Ratchet Jack that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Ratchet Jack shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Ratchet Jack. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

Ratchet Jack shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee each Ratchet Jack is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR RATCHET JACK

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	93	
3	Minimum Height	Inches	23.25	
4	Portable	yes/no	YES	
5	Stroke	Inches	13	
6	Capacity	Tons	15-20	
7	Manufacturer manual included?	yes/no	YES	
8	Manufacturer maintenance & care schedule included?	yes/no	YES	
9	Manufacturer is certified to ISO 9001	yes/no	YES	
10	Warranty	months	12	

Floodlight with Generator

1.0 Scope

This specification covers the design, supply and performance requirements for: **Floodlight with Generator** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The light bar shall be extended to 4.55 meters altitude fully
- The shooting angle shall be manually adjusted easily at the lowest position
- The galvanized mast and the powder coated canopy shall suit the outdoor environment for a long time
- The Product shall have 3-section telescopic mast which can be extended by manual operation

3.0 Technical Specification

Application	Industrial Utility
Diesel Engine Characters	4-cycle, In line, Air-cooled Diesel
Combustion Type	Direct injection
Speed	3000 rpm
Alternator	Single phase
Fuel	Diesel
Rating Voltage (V)	100-260
Socket Configuration	2 Socket (1x240 and 1x 120)
Fuel tank capacity	15 liters
Operating hours with full fuel	More Than 8 hours
Type of Lights	Metal halide spotlight (LED)
Number & Power of lights	4*400W or 2*1000W
Acoustic Pressure	75dB(A) at 7 meters away

4.0 Conceptual Drawing

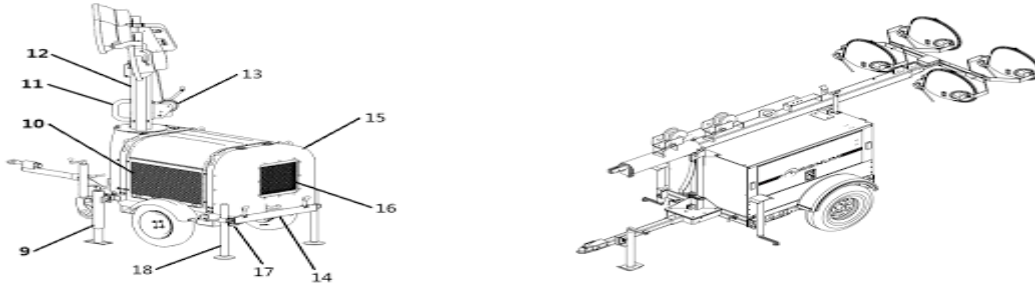


Figure 15 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Floodlight with Generator** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Floodlight with Generator shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Floodlight with Generator**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Floodlight with Generator shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Floodlight with Generator** is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Floodlight with Generator

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	120-130	
3	Power	kVA	4.5	
4	Alternator	Phase	Single	
5	Speed	rpm	1800-3000	
6	Fuel Tank Capacity	Liter	15	
7	Portable	yes/no	YES	
8	Manufacturer manual included?	yes/no	YES	
9	Manufacturer maintenance & care schedule included?	yes/no	YES	
10	Manufacturer is certified to ISO 9001	yes/no	YES	
11	Warranty	months	24	

Portable Generator

1.0 Scope

This specification covers the design, supply and performance requirements for: **Portable Generator** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Portable Generator** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Portable generator shall be capable of operating on dual fuel
- The portable generator shall be able to keep track voltage, hertz and run-time hours to easily monitor output and track maintenance intervals
- All Outlets shall exceed 20 Amps and shall be GFCI.
- The portable generator shall Featuring a tough, water-resistant vinyl exterior, the included storage cover with elastic base which will keep generator and its engine protected from sun and UV damage, rain, dirt, debris, dust, cobwebs etc.

3.0 Technical Specification

Application	Industrial Outdoor
Rated Power (kW)	7.5-10 kw
Rated AC Voltage	120/240VAC \pm 10%
Engine/Alternator RPM	3000-3600
Fuel Type	Dual Fuel, Gasoline, Propane
System Frequency	60 Hz
Starting System	Electric Start/ Recoil
Sound Level (dB)	70-75
IP Rating	IP – 65
Cooling System	Air Cooled
Connection	Single Phase 2 AND 3 wire
Fuel Tank capacity	7-10 Gallons

Recommend Run Time	10-12 Hours
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4.0 Conceptual Drawing

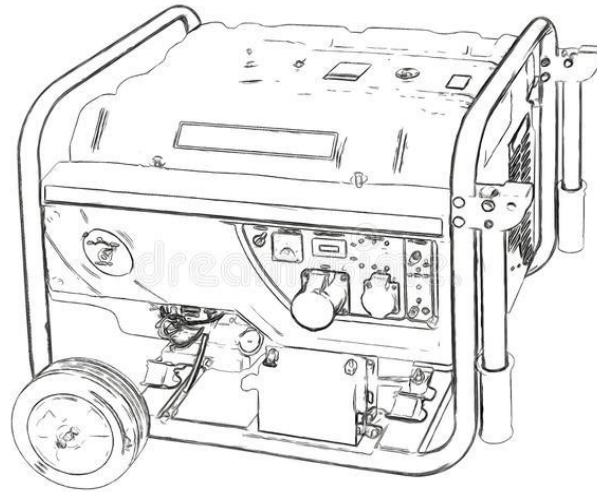


Figure 16 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Portable Generator** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Portable Diesel Generator shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark

- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Portable Generator** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Portable Generator shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Portable Generator** is against defects arising out of faulty design, workmanship, or defective material for a period of Three (3) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Portable Generator

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	90-110	
3	Rated AC Voltage	V	120/240VAC ± 10%	
4	Engine/Alternator	rpm	3000-3600	
5	Frequency	HZ	60	
6	Starting System	-	Electric Start	
7	Connection	-	Single Phase 2& 3 wire	
8	Cooling System	-	Air Cooled	
9	Fuel	Dual	Gasoline/ Propane	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Sound Level	dB	70-75	
15	Warranty	months	36	

Overhead Line Earthing Sets

1.0 Scope

This specification covers the design, supply and performance requirements for: **Complete Earthing Sets** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

Earthing sets shall consist of 4/0 Grounding Cable

Earthing sets shall support conductors ranging from #8 to 1033 kcmil ACSR

Ferrules shall be factory crimped to the grounding cable

Grounding clamps, ferrules and cable must meet ASTM F 855 Specifications

3.0 Technical Specification

Application	Industrial Power Utility
4/0 Copper Ground Cable	60ft
Ferrules	4/0 Plain Plug
Serrated jaw, "C" Clamp	For Plain Plug ferrules
Hv Structure Rating	13800-14400 V
Fault Current Rating - 15 Cycles (AMPS)	21-43 kA
Fault Current Rating - 30 Cycles (AMPS)	15-30 kA

4.0 Conceptual Application Drawing

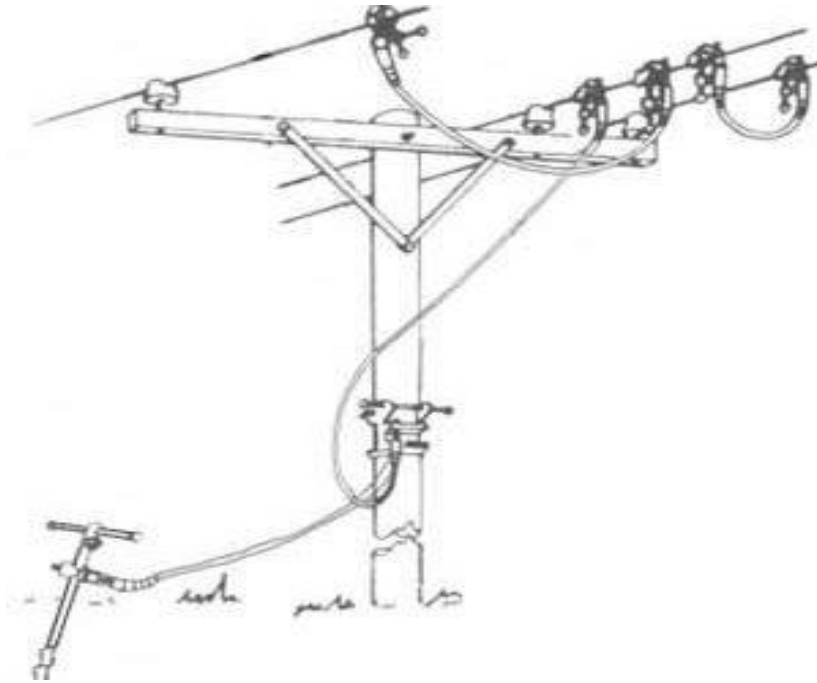


Figure 17 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Complete Earthing Sets** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Complete Earthing Sets shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark

- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Complete Earthing Sets**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Complete Earthing Sets shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Complete Earthing Sets** is against defects arising out of faulty design, workmanship, or defective material for a period of two (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Complete Earthing Sets

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	lbs.	70-80	
3	Serrated jaw, "C" Clamp	Amt.	10	
4	Ground Cluster Support	Amt.	1	
5	4/0 Copper Ground Cable	ft	60	
6	Clamp Support Stud	Amt.	3	
7	Ground Set (6 Feet)	Amt.	3	
8	Ground Set (12 Feet)	Amt.	1	
9	Portable	yes/no	YES	
10	Screw Ground Rod	ft	6	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	60	

Load-buster Load Break Tool

1.0 Scope

This specification covers the design, supply and performance requirements for **Loadbuster Loadbreak Tool** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Loadbuster Loadbreak Tool** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

The **Loadbuster Loadbreak Tool** shall have an attachment hook at the upper (jaw) end of the device, over which Loadbuster’s anchor can be hooked; and a pull ring on the device’s switch blade or fuse tube which can be readily engaged with Loadbuster’s pull-ring hook and held fast by the pull-ring latch.

The **Loadbuster Loadbreak Tool** shall be capable of easy, positive manipulation with Loadbuster from all practical angles and directions—and in all mounting positions intended for the device—while maintaining the minimum mechanical and electrical requirements.

The **Loadbuster Loadbreak Tool** shall mechanically coordinate with Loadbuster’s operating sequence such that (a) engagement of Loadbuster will not cause or allow the switch blade or fuse tube to drop open prematurely and (b) the attachment hook will keep Loadbuster positively anchored until tripping occurs, while (c) permitting easy removal of Loadbuster whether the opening stroke has been completed or whether, for any reason, the device being switched has been reclosed after partial (incomplete) opening.

3.0 Technical Specification

Application	Industrial Utility
Voltage Range (KV)	14.5
Transformer Switching Load (Nominal)	600 Amps
Transformer Switching Load (maximum)	900 Amps
Line Switching Load (Nominal)	600 Amps
Line Switching Load (Maximum)	900 Amps
Cable Switching Load (Nominal)	600 Amps
Capacitor Switching Load (Maximum)	900 Amps

4.0 Conceptual Drawing

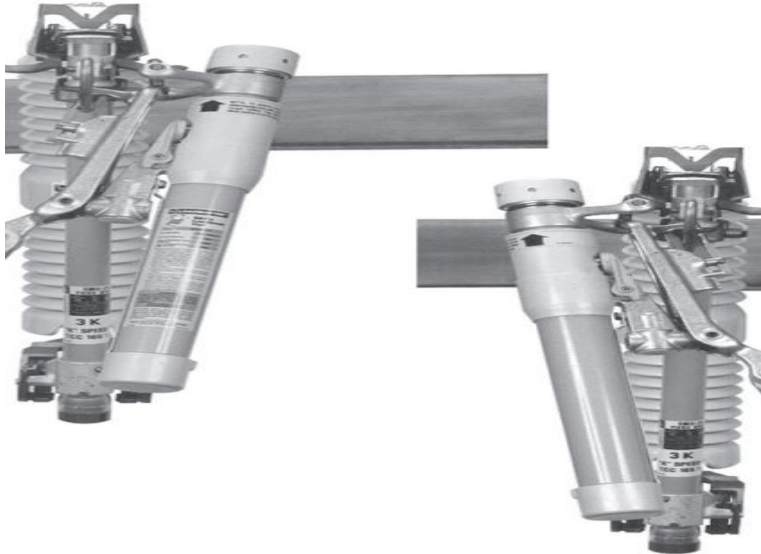


Figure 18 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **Loadbuster Loadbreak Tool** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Loadbuster Loadbreak Tool shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Load buster Load break Tool** Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Load buster Load break Tool shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Load buster Load break Tool** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Load Buster Load break Tool

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	kg	1.5-4	
3	Transformer Switching Load (Maximum)	A	900	
4	Line Switching Load (Maximum)	A	900	
5	Cable Switching Load (Maximum)	A	900	
6	Capacitor Switching Load (Maximum)	A	900	
7	Safety standards	-		
8	IP Rating	-	IP 65	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	24	

Transformer Power Quality Data Logger

1.0 Scope

This specification covers the design, supply and performance requirements for a Transformer Power Quality Data-Logger Power Quality Meter, developed specifically to give you fast, easy access to the data you need to make critical power quality and energy decisions in real-time. This allows you to analyze power quality in detail and to correlate intermittent events with detailed waveform data, helping to identify the root cause of disturbances.

2.0 Applicable Codes and Standards

The latest revision of the following codes and standards shall be applicable for the equipment/materials covered in this specification. In case of any deviation, the vendor/manufacturer may propose equipment/material conforming to an alternate code or standard.

- IEC 61010-1: General safety requirements
- IEC 60060 -1 High Voltage Test Techniques
- IEC 61326-1: Portable, Electromagnetic Environment.
- IEC 61010-031: Safety requirements for handheld probe assemblies for electrical measurement and test
- IEC 61010-2-030: Particular requirements for equipment having testing or measuring circuits
- IEC 61000-4-30 Class A Edition 3 standard for ‘Testing and measurement techniques–Power quality measurement methods
- IEC 61000-4-7: Class 1 applies to instrumentation intended for measuring spectral components in the frequency range up to 9 kHz
- IEEE 519: system guideline for setting limits on voltage and current distortion (short time and very short time harmonics)
- IEC 62586-1: specifies product and performance requirements for instruments whose functions include measuring, recording and possibly monitoring power quality parameters in power supply systems
- IEC 62586-2: specifies functional tests and uncertainty requirements for instruments whose functions include measuring, recording
- IEEE 1459: Measurement of Electric Power Quantities Under Sinusoidal, Nonsinusoidal, Balanced, or Unbalanced power
- EN 50160: Quality of Supply Standards
- IEC 60721-3-3: classifies groups of environmental parameters and their severities to which products are subjected when installed for stationary use at weather protected locations.
- IEC 61010-1: Pollution Degree 2
- IEC 60529: IP50: rate and grade the resistance of enclosures of electric and electronic devices against the intrusion of dust and liquids
- IEC 60529: IP65 with IP65 rated voltage connector
- IEC 60721-3-3 / 3M2: classifies groups of environmental parameters and their severities to which products are subjected when installed
- EN 61326-1: Industrial CISPR 11: Group 1, Class A
- IEC 61000-6-5: Power station environment

3.0 Service Conditions

The Transformer Power Quality Data-Logger and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The Transformer Power Quality Data-Logger shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions. Rugged and reliable; Designed to withstand harsh installation environments with IP65 rating when used with IP65 voltage input adapter.

4.0 Technical Specification

The Transformer Power Quality Data-Logger shall conform to the technical requirements given below:

- Shall be lightweight (0.25 lbs) and portable with ergonomic design for ease of operation by the operator.
- Probe cable diameter 7.5 mm (0.3 in)
- Probe cable length 610 mm (24 in)
- Shall be a compact size designed to fit in tight spaces and panels with small 9.1” x 7.1” x 2.1” footprint.
- Operating Temperature @ -20 °C to +70 °C (-4 °F to 158 °F) temperature of conductor under test shall not exceed 80 °C (176 °F)
- Shall be able to Measure all three voltage and current phases with addition of the neutral current
- Shall be capable of Comprehensive logging with more than 20 separate logging sessions can be stored in the instrument
- Shall be able to capture dips, swells and interruptions information to help pinpoint potential root causes of power quality issues.
- Shall be able to measures harmonics and inter-harmonics for voltage and current which also includes unbalance, flicker and rapid voltage changes.
- Shall have an Optimized user interface for Quick, guided, graphical setup which ensures you’re capturing the right data every time, and the intelligent verification function indicates correct connections have been made, reducing user uncertainty.
- Shall have a flexible power supply from 100 V to 500 V or from a wall line cord, so you can test anywhere.
- Ethernet connectivity: Wired and wireless connections for instrument setup and high-speed data download.
- Optimized measurement accessories: Unique tangle-free flat voltage cable and thin flexible current probes ensure easy installation even in tight spaces.

- Battery life: Four-hour operating time (backup time) per charge on lithium-ion battery to withstand temporary power disruptions.
- Security: Safeguard your best asset from theft with a standard chain or other security device.
- Magnetic hanger kit: Conveniently stow the instrument safely inside or outside of electrical panels; compatible with all models and included with 1748 model as standard.
- Shall be capable of operating between 47Hz – 53Hz/ 57Hz-63Hz for more accurate readings
- Shall be capable of measuring a range of current between 1-5000A
- Shall be capable of measuring a range of voltage between 0-500Kv
- A large backlit display allows for easy visibility in low-lit areas
- Shall be easily portable.
- Shall be provided with accessories:
 - Voltage test lead (3-phase + N)
 - Alligator clips (blue) (x2)
 - Alligator clips (black) (x4)
 - Set of cable markers
 - Mains power cable
 - Mains adapter MA-C8
 - Set of 2 test leads (stack and non-stackable, blue, 7 in.)
 - Set of 2 test leads (non-stackable, blue, 79 in.)
 - USB Cable
 - i17xx-flex1500IP 24 inch current probes (x4)
 - shallWiFi/BLE-to-USB Adapter
- Shall be easily portable.
- A User Guide shall be provided
- Shall be provided with Zippered Carry Case/bag
- One-year product warranty
- Software Features
 - In-workshop" or "in-the-field" setup and download through PC application software: simple download using USB memory stick, Wi-Fi download, wired Ethernet connection or via USB cable.
 - Energy Analyze Plus application software: Download and analyze every measured detail of energy consumption and power quality state-of-health with automated reporting.
 - Advanced analysis: Choose any available logged parameter to create a highly customized view of logged measurements for advanced correlation of data.
- Hardware Features

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Transformer Power Quality Data-Logger along with a representative from Guyana Power & Light as to confirm its specification. A

report shall be draft from this exercise as reference detailing each Transformer Power Quality Data-Logger serial/ control number.

Guyana Power & Light has the rights to reject any Transformer Power Quality Data-Logger that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Each Transformer Power Quality Data-Logger shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number
- Highest Rated voltage.

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Transformer Power Quality Data-Logger. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001 as all Transformer Power Quality Data-Loggers must successfully passed international test standards indicated by CE. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Transformer Power Quality Data-Logger shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

10.0 Guarantee

Vendor shall guarantee each Transformer Power Quality Data-Logger is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR TRANSFORMER POWER QUALITY DATA-LOGGER

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	3.5	
3	Portable	yes/no	YES	
4	Max Amperage	Amps	2000	
5	Jaw Size	Inch	3.86	
6	Max Voltage	KV	500	
7	Operational Frequency	HZ	47 - 67	
8	Max PF	-	0.01	
9	Max THD	%	1-100	
10	Manufacturer manual included?	yes/no	YES	
11	Manufacturer maintenance & care schedule included?	yes/no	YES	
12	Manufacturer is certified to ISO 9001	yes/no	YES	
13	Warranty	months	12	

Distributor Transformer Monitor

1.0 Scope

This specification covers the design, supply and performance requirements for: **Distribution Transformer Monitor** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Distribution Transformer Monitor** shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Distribution Transformer Monitor shall consist of patented products, developed with utilities input, which incorporates state-of-the-art design, engineering, and manufacturing processes thereby ensuring high versatility, accuracy, and durability.
- The Distribution Transformer Monitor shall be a Self-contained unit: Metering, Sensing and Communications all integrated within the same device
- The Distribution Transformer Monitor shall have High-accuracy of monitored transformer parameters within all ranges of operation.

3.0 Technical Specification

Application	Industrial Outdoor
Rated AC Voltage	240VAC \pm 10%
Rated AC Current	1000A
Power Consumption	1.5-2 Watts
Accuracy (Energy Accumulation)	0.5% - Class 0.5, based on ANSI C12.20
System Frequency	50Hz/60Hz \pm 5%
Enclosure Material	ABS/PC, UL94V0 rated, UV resistant
Dielectric Withstand	4000VAC, 1 minute
IP Rating	IP – 65
Maximum Conductor Diameter	16.9 mm (0.667 IN) Max - 336.4 ASC

Connection	Single Phase 2 AND 3 wire
Conductor type	ANSI Buss Bar or insulated cable
Voltage Dips and Interrupts	IEC 61000-4-11

4.0 Conceptual Drawing



Figure 19 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Distribution Transformer Monitor** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Distribution Transformer Monitor shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Distribution Transformer Monitor** **Additionally**, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Distribution Transformer Monitor shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Distribution Transformer Monitor** is against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Distributor Transformer Monitor

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	2-2.5	
3	Rated AC Voltage	V	240VAC ± 10%	
4	Rated AC Current	A	1000	
5	Frequency	HZ	50Hz/60Hz ± 5%	
6	Accuracy (Energy Accumulation)	-	0.5% - Cl 0.5, ANSI C12.20	
7	Enclosure Material	-	ABS/PC, UL94V0, UV res.	
8	Connection	-	1PHASE 2 & 3 Wire	
9	Maximum Conductor Diameter	mm	16.9 mm (0.667 IN) Max - 336.4	
10	Portable	yes/no	YES	
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	IP Rating	-dB	IP – 65	
15	Warranty	months	24	

Switch Stick 12ft, 15Kv

1.0 Scope

This specification covers the design, supply and performance requirements for: **Switch Stick 12ft, 15kV** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

Poles should be made of Epoxiglas

Tested per OSHA & ASTM F711

NEMA-standard heads should be made of cast bronze

3.0 Technical Specification

Application	Industrial Utility
Design Length	1.25IN -1.50IN X 12ft
OSHA & ASTM F711 Tested	Yes
Design Style	1.25" (32 mm) Switch Stick Head

4.0 Conceptual Drawing



Figure 20 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Switch Stick 12ft, 15kV** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Switch Stick 20ft, 15kV shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Switch Stick 12ft, 15kV**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Switch Stick 12ft, 15kV shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Switch Stick 12ft, 15kV** is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Switch Stick 12ft, 15kV

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	3.6-4	
3	Length		1.25IN- 1.50IN x 12ft	
4	Portable	yes/no	YES	
5	Manufacturer manual included?	yes/no	YES	
6	Manufacturer maintenance & care schedule included?	yes/no	YES	
7	Manufacturer is certified to ISO 9001	yes/no	YES	
8	Warranty	months	24	

Switch Stick 20Ft, 15kV

1.0 Scope

This specification covers the design, supply and performance requirements for: **Switch Stick 20ft, 15kV** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

Poles should be made of Epoxiglas

Tested per OSHA & ASTM F711

NEMA-standard heads should be made of cast bronze

3.0 Technical Specification

Application	Industrial Utility
Design Length	1.25IN -1.50IN X 20 ft
OSHA & ASTM F711 Tested	Yes
Design Style	1.25" (32 mm) Switch Stick Head

4.0 Conceptual Drawing



Figure 21 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Switch Stick 20ft, 15kV** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Switch Stick 20ft, 15kV shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Switch Stick 20ft, 15kV**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Switch Stick 20ft, 15kV shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Switch Stick 20ft, 15kV** is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Switch Stick 20ft, 15kV

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	5 -5.4	
3	Length		1.25IN- 1.50IN x 20ft	
4	Portable	yes/no	YES	
5	Manufacturer manual included?	yes/no	YES	
6	Manufacturer maintenance & care schedule included?	yes/no	YES	
7	Manufacturer is certified to ISO 9001	yes/no	YES	
8	Warranty	months	24	

Grip- All Clampstick

1.0 Scope

This specification covers the design, supply and performance requirements for: **Grip-All Clamp stick** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

Operating mechanism (or “shotgun”) incorporates a sliding hand grip that opens the hook to grasp a clamp eye screw and retract it into tool head

Tested per OSHA & ASTM F711

Latch must be depressed to release locked hand grip that opens the hook

3.0 Technical Specification

Application	Industrial
Head Travel	6 ¾ Inches
OSHA & ASTM F711 Tested	Yes
EU RoHS Indicator	Yes
Design Type	Hinged Style

4.0 Conceptual Drawing

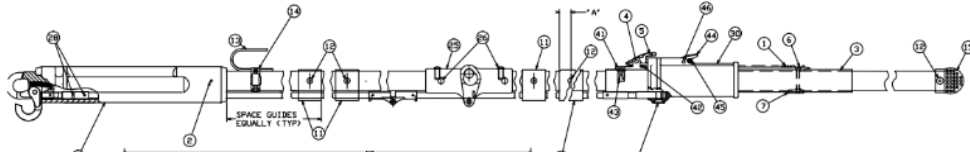


Figure 22 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Grip-All Clamp stick** with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirements stipulated in this specification.

6.0 Marking

Grip-All Clamp stick shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturer's Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Grip-All Clamp stick**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Grip-All Clamp stick shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Grip-All Clamp stick** is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Grip-All Clampstick

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	3.8 -4.2	
3	Length		1 1/4" x 12' 7"	
4	Portable	yes/no	YES	
5	Manufacturer manual included?	yes/no	YES	
6	Manufacturer maintenance & care schedule included?	yes/no	YES	
7	Manufacturer is certified to ISO 9001	yes/no	YES	
8	Warranty	months	24	

Snatch-Block Pulley

1.0 Scope

This specification covers the design, supply and performance requirements **Snatch Block- Pulley required** by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Snatch Block- Pulley shall** be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Snatch Block- Hauling Line shall have Spring Loaded safety latch on forged steel hook.
- The Snatch Block- Pulley shall be Light-weight, with cast-aluminum housing and sheave with a hinged cotter lock yoke and forged steel hook for quick rigging in diversified applications.

3.0 Technical Specification

Application	Industrial Load Lift Assist
Working Load Limit	560 -600 kg
Weight:	0.8-1.5 kg
Maximum Fiber Rope Diameter	5/8
Material	Cast Aluminum

4.0 Conceptual Drawing



Figure 23 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **Snatch Block- Pulley with** a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Snatch Block- Pulley be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Snatch Block- Pulley** **Additionally**, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Snatch Block- Pulley shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Snatch Block- Pulley** against defects arising out of faulty design, workmanship, or defective material for a period of Two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Snatch Block- Pulley

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	0.8-1.5	
3	Working Load Limit	kg	560-600	
4	Maximum Fiber Rope Diameter	inches	5/8	
5	Material	inches	Cast Aluminum	
6	Portable	yes/no	YES	
7	Manufacturer manual included?	yes/no	YES	
8	Manufacturer maintenance & care schedule included?	yes/no	YES	
9	Manufacturer is certified to ISO 9001	yes/no	YES	
10	Warranty	months	24	

Resistograph

1.0 Scope

This specification covers the design, supply and performance requirements for a Resistograph. The Resistograph is the essential tool for any serious arborist to detect the inner condition of wooden structures.

2.0 Service Conditions

The Resistograph and accessories shall be suitable for continuous, satisfactory operation under climatic conditions listed below: -

- Maximum altitude above mean sea level less than 1,000 m;
- Maximum ambient air temperature 40⁰C;
- Maximum daily average ambient air temperature 30⁰C;
- Minimum ambient temperature 15⁰C; and
- Maximum relative humidity 100%.

The Resistograph shall be designed and protected for use in exposed, heavily polluted, and salty, corrosive, and humid tropical coastal atmospheric conditions

3.0 Technical Specification

The Resistograph shall conform to the technical requirements given below:

- Shall be lightweight (8.82 lbs.) for ease of operation by the operator.
- Shall have a Drilling Depth of 50cm / 20"
- Shall have a Length 70cm / 28"
- Battery Life shall be between 50-100hrs
- Drilling Charging Time shall be approximately 2 hours
- Shall have Charging Cycles at approximately 1000
- Shall have Thrust/Speeds < 5cm per second
- Shall have a Resolution of 0.01mm
- Precision Correlation shall be $r^2 > 0.9$ (Wood Density)
- Shall have an Internal Measurement Storage of 10000 x 50cm measurements
- Shall be capable of One-Handed Operation
- Shall be able to accommodate Realtime Simultaneous Display to be sent to a Printer, Smartphone, Tablet or Computer
- Shall be portable.
- Computer-controlled feed-rate
- Shall be able to reach speeds of up to 300 cm/min

- Shall be accommodated with More than 50 drillings in hard wood with a single battery charge
- Shall be equip with the following accessories
 - Resolution 1/50 mm
 - 2 battery packs with charger
 - Wireless thermo printer with 20 paper rolls
 - USB cable
 - Tool set
 - 10 Needles, 10 hardened needles
 - Carrying case for complete system
 - Carrying strap
 - Software for data processing and visualization
- Shall be equipped with an Anti-Vibration System for minimizing the vibration levels of handheld outdoor operation.
-

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the Resistograph a long with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each Resistograph serial/ control number.

Guyana Power & Light has the rights to reject any Resistograph that does not meet the minimum requirement stipulated in this specification.

5.0 Marking

Each Resistograph shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

6.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Wood Boring Drill. Additionally, a recommended Maintenance and Care Schedule shall be provided.

7.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

8.0 Packing and Shipment

Resistograph shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

9.0 Guarantee

Vendor shall guarantee each Resistograph is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR RESISTOGRAPH

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	8.82	
3	Portable	yes/no	YES	
4	Accommodate Bit Size	Vendor shall state		
5	Battery Life	Hrs.	100	
6	Thrust/Speed	cm/m	300	
7	Precision Correlation	-	$R^2 > 0.9$	
8	Drilling Depth	cm/in	50/20	
9	Resolution	m	0.01	
10	Feed Rate	Computer Controlled		
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	months	12	

Portable Angle Grinder

1.0 Scope

This specification covers the design, supply and performance requirements for a **Portable Angle Grinder**.

2.0 Service Conditions

The **Portable Angle Grinder** and accessories shall be suitable for continuous, satisfactory operation under climatic conditions and meet the following criteria listed below: -

- Cordless design with maximum flexibility for outdoor work.
- No load speed of 9000-11000 rpm to grind and cut metal easily.
- All-cooper motor operates smoothly with lower noise and high efficiency.
- 4.0-5.0 Ah lithium-ion battery and fast charger to ensure long-time work.
- Double overload protection to improve safety and reduce damage to the tool.
- 3-position adjustable auxiliary side handle for less vibration and more control.
- Soft rubberized grip for optimal comfort and long-term operation.
- Spindle lock button and wrench to change wheel quickly.
- Slide switch with lock-on for convenient use.
- Air vent to prevent scalding and protect the motor.
- Equipped with a tool bag for carrying conveniently.
- Protective wheel guard to prevent sparks from splashing.

3.0 Technical Specification

The **Portable Angle Grinder** shall conform to the technical requirements given below:

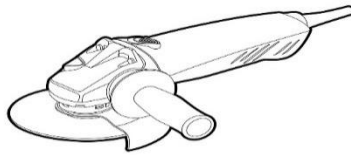
Grinder Type	Angle Grinder
Material	Metal
Power Source	Battery Powered
Voltage	18-20 Volts
Disc Size	125mm
Motor type	Brushless

4.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect and operate the **Portable Angle Grinder** along with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each angle grinder serial/ control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

5.0 Conceptual Drawing



6.0 Marking

Each portable angle grinder shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturers name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Portable Angle Grinder**. Additionally, a recommended Maintenance and Care Schedule shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Portable Angle Grinder shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee each portable angle grinder is against defects arising out of faulty design, workmanship, or defective material for a period of one (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR THE PORTABLE ANGLE GRINDER

Item No. _____

No.	Description	Unit	GPL's Specified Values	Bidders' Value
1	Name of Manufacturer	-		
2	Weight	lbs.	6.5-8	
3	Power	-	Battery	
4	Portable	yes/no	YES	
5	Accommodate Bit Size	Vendor shall state		
11	Manufacturer manual included?	yes/no	YES	
12	Manufacturer maintenance & care schedule included?	yes/no	YES	
13	Manufacturer is certified to ISO 9001	yes/no	YES	
14	Warranty	Months	12	

Pressure Washer

1.0 Scope

This specification covers the design, supply and performance requirements for: **Pressure washer** required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- Rupture Disc
- Oil Filled Pressure Gauge
- Pressure Relief
- Adjustable pressure
- Thermal Relief
- Key start engine with a safety shut down.

3.0 Technical Specification

Application	Industrial
Pressure	9000 -10000 psi
Max Flow	5.0 GPM
EU RoHS Indicator	Yes
Engine	38-40 HP
Fuel tank Capacity	11 Gallons
Nozzle	Spinning Turbo

4.0 Conceptual Drawing

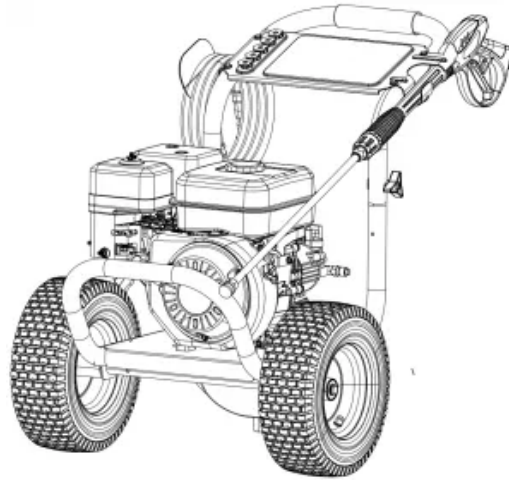


Figure 24 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the **Pressure washer** with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Product shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Pressure washer**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Pressure washer shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Pressure washer** is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Pressure Washer

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
4	Weight	Kg.	52-68	
6	Portable	yes/no	YES	
12	Manufacturer manual included?	yes/no	YES	
13	Manufacturer maintenance & care schedule included?	yes/no	YES	
14	Manufacturer is certified to ISO 9001	yes/no	YES	
15	Warranty	months	24	

Crimping Tool ILSCO-MT 25

1.0 Scope

This specification covers the design, supply and performance requirements crimping tool - ILSCO 94285 required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- CONTROL CYCLE RATCHET TYPE
- 25-1/4 INCH
- COMFORT GRIP HANDLE TYPE
- ROTATABLE DIE, MUST BE INCLUDED
- MUST UL LISTED

3.0 Technical Specification

Application	Crimping
Application - For Use On	acl, acn, as series (aluminum)/cln, clnd, clnf, clnn, clns series (copper) connector
Die Type	Rotatable (Built in)
EU RoHS Indicator	Yes
Tool Type	Controlled cycle ratchet mechanism
Crimping Ranges	8AWG to 250 kcmil, 8 TO 3/0 AWG (ALUMINUM) CABLE SIZE

4.0 Conceptual Drawing

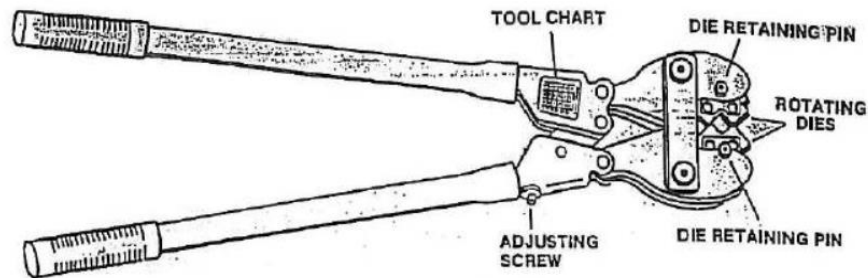


Figure 25 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Crimping tool - ILSCO 94285 with a representative from Guyana Power & Light as to confirm its specification. A report shall be drafted from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirements stipulated in this specification.

6.0 Marking

Product shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturer's Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Crimping tool - ILSCO 94285. Additionally, a recommended *Maintenance and Care Schedule* shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Crimping tool - ILSCO 94285 shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Crimping tool - ILSCO 94285 is against defects arising out of faulty design, workmanship, or defective material for a period of five (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR CRIMPING TOOL - ILSCO 94285

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
4	Weight	Kg.	2.76-2.94	
6	Portable	yes/no	YES	
12	Manufacturer manual included?	yes/no	YES	
13	Manufacturer maintenance & care schedule included?	yes/no	YES	
14	Manufacturer is certified to ISO 9001	yes/no	YES	
15	Warranty	months	24	

Crimping Tool ILSCO 94285

1.0 Scope

This specification covers the design, supply and performance requirements Crimping tool - ILSCO 94285 required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- CONTROL CYCLE RATCHET TYPE
- 25-1/4 INCH
- COMFORT GRIP HANDLE TYPE
- ROTATABLE DIE, MUST BE INCLUDED
- MUST UL LISTED

3.0 Technical Specification

Application	Crimping
Application - For Use On	acl, acn, as series (aluminum)/cln, clnd, clnf, clnn, clns series (copper) connector
Die Type	Rotatable (Built in)
EU RoHS Indicator	Yes
Tool Type	Controlled cycle ratchet mechanism
Crimping Ranges	8AWG to 250 kcmil, 8 TO 3/0 AWG (ALUMINUM) CABLE SIZE

4.0 Conceptual Drawing

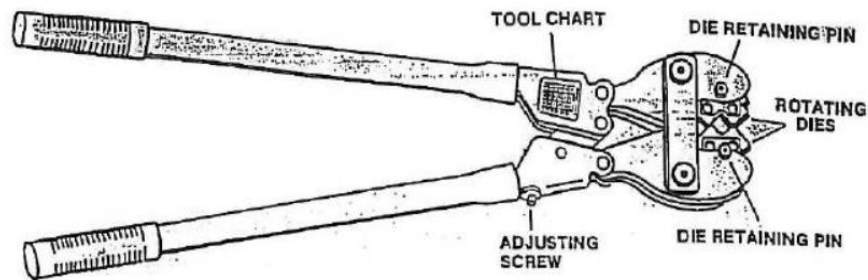


Figure 26 - Note the Drawing above is a conceptual drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the Crimping tool - ILSCO 94285 with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Product shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture
- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the Crimping tool - ILSCO 94285. Additionally, a recommended *Maintenance and Care Schedule* shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Crimping tool - ILSCO 94285 shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee Crimping tool - ILSCO 94285 is against defects arising out of faulty design, workmanship, or defective material for a period of five (5) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR CRIMPING TOOL - ILSCO 94285

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	2.76-2.94	
3	Portable	yes/no	YES	
4	Manufacturer manual included?	yes/no	YES	
5	Manufacturer maintenance & care schedule included?	yes/no	YES	
6	Manufacturer is certified to ISO 9001	yes/no	YES	
7	Warranty	months	24	

Crimping Tool Ratchet Type with Dye

1.0 Scope

This specification covers the design, supply and performance requirements MD6-8 HYTOOL Hand Operated tool required by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The product shall be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- Ergonomically designed, one-piece, composite polymer handles
- Comfort grip handles
- Time-proven steel jaw designs
- No tool adjustment required
- 99,000 crimp/cycle life
- Positive lock, spring loaded die retainer buttons
- PTFE impregnated steel/bronze bushings and stainless-steel pins
- Electro less nickel plated jaws and jaw links

3.0 Technical Specification

Application	Crimping
Application - For Use On	Copper, Aluminum, ACSR, Steel, Copper weld, Alum weld, 6201, 5005, Compressed and Compact Conductors
Crimp Force Capacity	4.5 ton
Die Type	W Die and X Die
EU RoHS Indicator	Yes
Tool Type	Hand Operated Crimper

Crimping Ranges	Copper: 10 sol. - 500 Kcmil; Copper Flex: #8 to 350 kcmil
-----------------	---

4.0 Conceptual Drawing

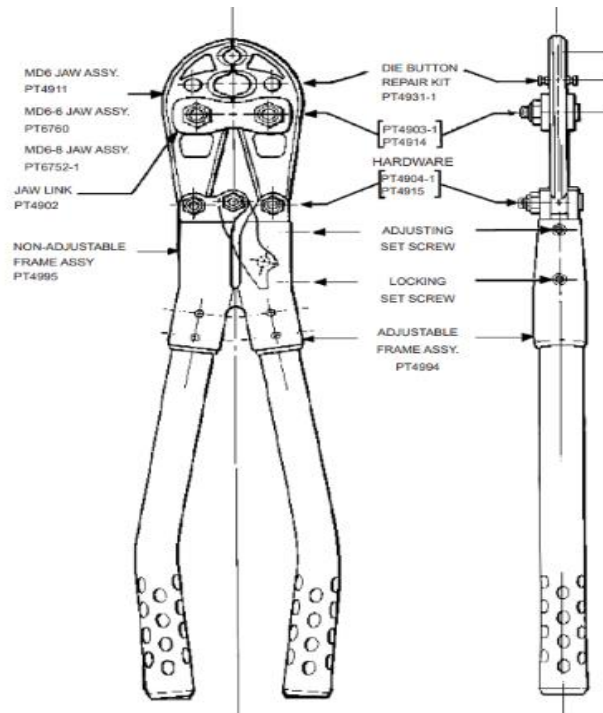


Figure 27 - Drawing conceptual Product

Note the above is a drawing of the

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect the MD6-8 HYTOOL Hand Operated tool with a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Product shall be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture

- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the MD6-8 HYTOOL Hand Operated tool. Additionally, a recommended *Maintenance and Care Schedule* shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

MD6-8 HYTOOL Hand Operated tool shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee MD6-8 HYTOOL Hand Operated tool is against defects arising out of faulty design, workmanship, or defective material for a period of two (2) years from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

REQUIREMENTS FOR Crimping Tool Ratchet Type with Dye

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	2.8-3.6	
3	Portable	yes/no	YES	
4	Manufacturer manual included?	yes/no	YES	
5	Manufacturer maintenance & care schedule included?	yes/no	YES	
6	Manufacturer is certified to ISO 9001	yes/no	YES	
7	Warranty	months	24	

Motorized Brush Cutter

1.0 Scope

This specification covers the design, supply and performance requirements **Brush Cutter** by Guyana Power & Light. This Product shall be use but not limited to application and operational conduction specified in this document.

2.0 Product Characteristics

The **Brush Cutter** be suitable for continuous, satisfactory operation and outlined characteristics must be met.

- The Brush Cutter shall have a special starter handle which ensures a smooth starting process without any sudden peak forces.
- The Brush Cutter shall have a comfortable thumb-operated control so that the operator's hand never leaves the handle
- The Brush Cutter shall have a central wing nut which will enable easy adjustment without the use of tools.

3.0 Technical Specification

Application	Industrial Land Clearing
Displacement	30,8 cm ³
Power output	1,3/1,8 kW/bhp
Weight	6,3-6.5 kg
Sound pressure level with plastic tool	95 dB(A)
Vibration level, left/right with plastic tool	4,9/3,5 m/s ²

4.0 Conceptual Drawing

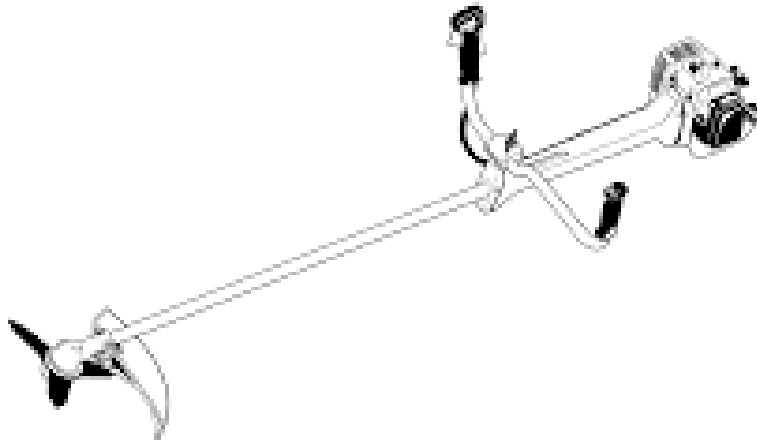


Figure 28 - Note the Drawing above is a conceptual Drawing of the Product

5.0 Inspection

A representative from the Manufacturer/ Vendor shall inspect **Brush Cutter with** a representative from Guyana Power & Light as to confirm its specification. A report shall be draft from this exercise as reference detailing each item/control number.

Guyana Power & Light has the rights to reject any product that does not meet the minimum requirement stipulated in this specification.

6.0 Marking

Brush Cutter be provided with a nameplate, bearing the following information, as a minimum, in English language:

- Manufacturers Model
- Manufacturer's name or trademark
- Month & Year of manufacture

- Serial Number

7.0 Manuals

The tenderer shall furnish the manufacturer manuals, literature, and detailed dimensional drawings of the **Brush Cutter**. Additionally, a recommended **Maintenance and Care Schedule** shall be provided.

8.0 Quality Assurance

The manufacturer shall be certified in accordance with ISO 9001. The supplier has to provide a copy of a valid certificate along with his quote. Relevant manuals shall be presented upon request.

9.0 Packing and Shipment

Brush Cutter shall be securely packed, complete with all accessories, in strong non-returnable boxes, in such a manner as to prevent damage during shipment/transport.

Guarantee

Vendor shall guarantee **Brush Cutter** against defects arising out of faulty design, workmanship, or defective material for a period of One (1) year from the date of purchase unless and otherwise specified in tender documents.

SCHEDULE 1: GUARANTEED TECHNICAL PARTICULARS

Requirements for Brush Cutter

Item No. _____

No.	Description	Unit	GPL's Specified	Bidders' Value
			Values	
1	Name of Manufacturer	-		
2	Weight	Kg.	6.3 – 6.5	
3	Total length	cm	176-185	
4	Power output	kW/bhp	1,3/1,8	
5	Displacement	cm ³	30,8	
6	Portable	yes/no	YES	
7	Manufacturer manual included?	yes/no	YES	
8	Manufacturer maintenance & care schedule included?	yes/no	YES	
9	Manufacturer is certified to ISO 9001	yes/no	YES	
10	Warranty	months	12	

BID Delivery Schedule**IFB # GPL-PD-004-2022**

Description	Named place of Destination as stated in the bid document	Earliest Delivery Date	Latest Delivery Date	Bidders offered Delivery date (to be specified by the bidder)	Bid Security required
Supply of Tools & Equipment	Georgetown Guyana	Immediately after signing of Contract or receipt of Purchase Order	Eight weeks after the signing of the contract or the receipt of the purchase order.		2 % of Bid Price

QUALIFICATION INFORMATION

1. For individual bidders or individual members of a joint venture

1.1 Legal status of Bidder (*attach copy*).

Place of registration: _____

Principal kind of business: _____

Power of attorney for signing the Bid (*attach*).

1.2 Total volume of supplies executed for the last three (3) years in Guyana dollars or currency of bid:

_____ in 20__.

_____ in 20__.

_____ in 20__.

1.3 Supplies of a similar nature executed by the Supplier during the last two years (*not less than three (3) supplies*)

No	Name of Goods	Name of Clients, address and telephone	Contract Price

1.4 Copies of financial reports for the last three years (*balance sheets, loss and profit statements, auditors' reports, etc.*). List below and attach copies.

a. Evidence of access to financial resources (*cash in hand, lines of credit, overdraft facility*)

etc.).List below and attach copies of supporting documents.

b. Evidence of compliance with NIS, IRD and TIN Certificate and VAT Registration for Vatable item/s. *(attach supporting documents).*

c. Information on all claims, arbitration or other legal proceedings currently being examined or already settled.

—

—

2.0 Any other information required by the Procuring Entity to execute the Contract

2.1 The Supplier certifies that he meets all the qualification criteria and requirements, in accordance with normative legal documents.

I certify the authenticity of all the above information.

(Full name)

(Title)

(Signature and seal)

Dated on: _____ day of _____ 20__.

(Date)

SUPPLIER'S BID

Date: _____

IFB No: _____

TO: _____

(Name and address of Procuring Entity)

Dear Sir / Madam,

Having examined the bidding documents, including the Annexes and Addenda No _____ *[specify number]*, the receipt of which is hereby acknowledged, we, the undersigned, offer to supply and provide _____ *[description of goods and related services]* in accordance with the requirements of the bidding documents to the total sum of _____ *[Total Amount of Bid in Words and Figures]*, confirmed by the attached Price Schedule which is a part of this Bid.

- (a) We, including all subcontractors, regarding any part of the Contract, in accordance with the bidding documents, have no conflict of interests pursuant to sub clause 2 (i) of the Instructions to Bidders;
- (b) We, including all subcontractors, regarding any part of the Contract, in accordance with the bidding documents, have not been declared by the [authorized State body] [National Board] on procurement to be ineligible, or are not ineligible, in accordance with the legislation of Guyana.

We undertake, if our Bid is accepted, to supply the Goods, in accordance with a delivery schedule given in the Schedule of Requirements.

If our Bid is accepted, we undertake to furnish the Performance security in the form of _____ to the amount of _____, comprising _____% of the Contract Price

in order to execute the Contract properly and within the time period(s) specified in the Bidding Documents.

We hereby confirm that this bid shall be valid during _____ days starting from the date established for bid opening, and it shall be binding until the expiry of the indicated period.

Prior to the preparation and execution of a formal Contract, this Bid together with your written confirmation of its acceptance shall form a binding Contract on the parties.

We understand that you are not bound to accept the lowest or any bid you receive.

Dated _____.

Duly authorized to sign the Bid _____

(Name of Supplier)

Supply Contract

THIS CONTRACT made the _____ day of _____ 20__

Between _____ [name of Procuring Entity] (hereinafter referred to as "the Procuring Entity"), on the one hand, and _____ [name of Supplier] from _____ [city and country of Supplier] (hereinafter referred to as "the Supplier"), on the other hand have come to an Agreement on the following:

The Procuring Entity has announced bid for procurement of goods and services, namely _____ [brief description of goods and related services] and has accepted the Supplier's bid for the supply of indicated goods and services to the sum of _____ [Contract Price in words and figures] (hereinafter referred to as "the Contract Price").

THIS CONTRACT WITNESSES AS FOLLOWS:

1. In this Contract, the terms and expressions have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall form the Contract and shall be deemed its integral part, viz.:
 - (a) Procuring Entity's Notification of Award;
 - (b) Bid and Price Schedule submitted by Bidder;
 - (c) Schedule of Requirements;
 - (d) Technical Specifications;
 - (e) General Conditions of Contract;
 - (f) Special Conditions of Contract;
 - (g) Other documents included in the Contract documents;

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 Procuring Entity to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Services, and remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Procuring Entity hereby agrees to pay the Supplier in consideration of the delivery of the Goods and 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 of the foresaid, the parties hereto have caused this Contract to be executed
In accordance with the legislation of Guyana the day and year first above written in the
Beginning of the document.

For and on behalf of the Procuring Entity:

Signed by _____

Witnesses:

1. _____

2. _____

For and on behalf of the Contractor:

Signed by _____

Witnesses:

1. _____

2. _____

BID SECURITY

(Bank Guarantee)

Whereas _____ *[name of Bidder]* (hereinafter referred as "the Bidder") is ready to submit his bid dated _____ *[date of bid submission]* for the supply _____ *[name and/or description of goods]* (hereinafter referred as "the Bid"),

KNOW ALL PEOPLE, that WE _____ *[name of Bank]* from _____ *[name of country]*, having our registered office at the address _____ *[address of Bank]*, (hereinafter referred as "the Bank"), are bound to _____ *[name of Procuring Entity]* to the sum of _____, by which payment to the indicated Procuring Entity shall be made in whole and in a timely manner; the Bank is bound on behalf of its name, its successors and authorized persons. This is to confirm that the license issued to the Bank shall provide for activity on issuance of the guarantee, and the person(s) signing that guarantee is entitled to act on behalf of the Bank, and if the approval of Board of Directors, or of General Stockholders Meeting is required, it is already received and there is no other approval required.

THE CONDITIONS of this obligation are as follows:

1. If the Bidder:
 - (a) Withdraws his Bid during the period of bid validity specified by the Bidder on the Form of Bid; or
2. If the Bidder having received notice from the Procuring Entity that his bid is accepted within the period of bid's validity:
 - (a) Fails or rejects to sign the Contract at the request of; or
 - (b) Fails or rejects to furnish the performance security in accordance with the Instructions to Bidders;

We undertake to pay the Procuring Entity the above sum upon receipt of his first written request, without needing the Procuring Entity to show grounds or reasons of that request, provided that the sum requested by the Procuring Entity is due to him because of the occurrence of one or two or both conditions, specifying the condition or conditions occurred.

This guarantee shall remain in force during _____ days inclusive following the expiry of the bid validity period, and any request in respect thereof should reach the Bank not later than the abovementioned date.

(Full name of Bank's representative) *(Title)* *(Signature and seal)*

Dated on « ____ » day of _____ 20__.

Bid-Securing Declaration –Not Applicable

[The Bidder shall fill in this Form if applicable pursuant to BDS.]

Date: _____

IFB No.: _____

Alternative No.: _____

To: _____

We, the undersigned, declare that:

1. We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.
2. We accept that we will automatically be suspended from being eligible for bidding in any contract with the Purchaser for the period of time of _____ *[insert number of months or years]* starting on _____ *[insert date]*, if we are in breach of our obligation(s) under the bid conditions, because we:
 - (a) Have withdrawn our Bid during the period of bid validity specified by us in the Bidding Data Sheet; or
 - (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the ITB.
3. We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of a copy of your notification of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.
4. We understand that if we are a Joint Venture, the Bid Securing Declaration must be in the name of the Joint Venture that submits the bid. If the Joint Venture has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

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

Capacity of _____ *[insert legal capacity of person signing the Bid Securing Declaration]*

Name: _____ *[insert complete name of person signing the Bid Securing Declaration]*

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

Dated on _____ day of _____, _____ *[insert date of signing]*

PERFORMANCE SECURITY

(Bank Guarantee)

TO: _____

[Name of Procuring Entity]

WHEREAS _____ *[name of the Supplier]* (hereinafter called "the Supplier") has undertaken, in accordance with the Contract No. _____ *[Contract number]* dated _____ 20__ to supply _____ *[description of Goods and Services]* (hereinafter called "the Contract"),

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a reputable bank to the sum specified therein as a security for compliance with the Supplier's obligations under the Contract,

AND WHEREAS we have agreed to furnish the Supplier with a security,

THEREFORE WE hereby confirm that we are the Guarantors and are responsible to you on behalf of the Supplier, up to a total of _____ *(amount of security in words and figures)* and, we undertake to pay you, on your first request notifying of the Supplier's default with the Contract, and without cavil or argument, any sum or sums within the above limits, as aforesaid, without your needing to show grounds or reasons of your request or the sum specified therein.

Any modification or addition, or amendment in the terms of Contract, which may be made by the Procuring Entity and the Supplier by Additional Agreement shall in no way release us from obligations under the Guarantee, and we waive any notice of modification, addition, or amendment. This guarantee shall be valid until full completion of the Contract Conditions by the Supplier. Also, we confirm that the license issued to the Bank shall provide for activity on issuance of a bank guarantee, and the person signing the guarantee is entitled to act on behalf of the Bank, and if the

approval of Board of Directors or of General Stockholders Meeting is required, it is already received, and there is no other approval required

This guarantee shall be valid till the _____ day of _____ 20__.

_____ (Full name of Bank's
representative) (Title) (Signature and seal)

Dated on _____ day of _____ 20__

Address of the Bank issuing guarantee: _____

Letter of Acceptance
(Letterhead paper of Procuring Entity)

Date: _____

To: _____
(Name of Supplier)

(Address of Supplier)

We hereby notify you that your bid dated the _____ day of _____ 20__, for the supply of goods _____ (*description of goods*) up to a total of _____
(*Amount in figures and words*)

as amended and modified in accordance with the Instructions to Bidders is hereby accepted by our agency.

Simultaneously, we send you the Form of Contract and request you, pursuant to Clause 20.1 of the Instructions to Bidders, during seven (7) days to sign and date the Form of Contract, and return it at our address. Jointly with the signed Contract, we request you to furnish the performance security, in accordance with ITB Clause 20.2.

You hereby entrusted to start supply of the Goods, in accordance with the terms and conditions of a Contract.

Name of agency _____

Full name and Title _____

Signature of Authorized Representative _____

Power of Attorney

TO: _____ *[name of Procuring Entity]*

WHEREAS _____ *[name of Supplier]*,
who is the Supplier _____ *[name and/or description of goods]*.

do hereby authorize _____ *[name and address of Supplier's Representative]* to submit the Bid, and sign the Contract based on *Invitation for Bids* for the abovementioned goods to be supplied by us, and

[Full name, title, signature for and on behalf of Supplier]

Dated on « _____ » day of _____ 20__ (Seal)

(Date)

Note: The power of attorney must be drafted on a letterhead paper of the Supplier, and signed by a competent person authorized by the Supplier. The Bidder shall include this power of attorney in his Bid.

Bank Guarantee for Advance Payment

TO _____

[Name Procuring Entity]

[Name of Contract] _____

We, _____ [name of Bank] in accordance with the conditions of Contract

which provide for advance payment (*name and address of the Supplier*), and whereas the

Supplier has undertaken to provide you a Bank guarantee for advance payment to the Procuring Entity.

THEREFORE WE hereby affirm that we are the Guarantors, and are responsible to you on behalf of the Supplier to a total sum _____ GYD (*amount of guarantee in figures and words*), and we undertake to pay you on your first request and without objection on our part, and without the preliminary address to the Supplier, any sum or sums within the above limits.

We also agree that no alteration or addition in the terms of Contract which is subject to implementation, or any other contract documents which may be made by the Purchaser and the Supplier shall release us from obligations under the guarantee, and we hereby waive any notice of such alteration, or addition. We confirm that the license issued to the Bank shall provide for activity on issuance of a bank guarantee, and the person signing the guarantee is entitled to act on behalf of the Bank, and if the approval of Board of Directors or of General Stockholders Meeting is required, then it is already received, and there is no other approval required.

This guarantee shall be valid and remain in force from the date of advance payment received by the Supplier under the Contract, and until the date when the Procuring Entity receives delivery of the Goods in the amount of Advance Payment.

The Advance Payment referred to above must be received by the Supplier in its account number _____ *[insert account number]* at _____ *[insert name and address of Bank]*.

This guarantee shall expire, at the latest, upon our receipt of the Goods equivalent to the amount of the Advance Payment, or on the _____ *[insert date]*, whichever is later. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

(Full name of Bank's representative) (Title) (Signature and seal)

Dated on _____ day of _____ 20__.

Address of the Bank issued the guarantee: _____

Evaluation Criteria

1. Evaluation Criteria

Points will be awarded to bidders. The bidder with the highest points will be awarded the project. The points are split between X-points, tendered price and Y-points, other adequacies equally, as follows:

X-Points (60 Points):

Lowest Bid (Tender Price) – 50 Points

Financial Adequacy – 10 Points

Y- Points (40 points)

Technical Adequacy – 30 points

Delivery Time – 10 points

X-points

Max Score attained from sum of Formula 1 (30 point Max) and Table 1 (10 points Max) Score

Lowest Tendered Price (Max – 30 Points)

The X-points is calculated using the following ;

Formula 1

$$X = \frac{\text{Lowest Tendered Price}}{\text{Tendered Price}} \times 30$$

Financial Adequacy (Max -10 points):

Table No.1 = 10 points

The financial adequacy is based on the financial resources, available to the bidder.

Credit available as percentage of bid price	Points gained(Max 10 Points)
>50%	10
40-50	8
30-40	6
20-30	4
<20	2

Table 1 – Financial assessment based on credit available

A penalty of immediate rejection of a proposal or termination of the contract will be applied upon discovery of misrepresentation of information.

In addition, the bidder must include audited financial statements for the last three fiscal years and also evidence of access to funds stated.

The Contractor should provide proof in the following forms”

1. Bank Statement (s)
2. Letter of Credit (L/C)
3. Bank Reference
4. Any other evidence in support of funding

Y-points

Technical Adequacy (Max – 60points)

Max Score attained from sum of Table 2 (10 point Max), Table 3 (40 points Max) Score and formula 2 (10 point Max).

Technical Specification Submission

Technical Specification Submissions	Total Points = 10
75 - 100%	10
50 -75%	7
40 -50%	5
35-40%	3
Else	0

Table 2 – Points to be gained based on Clarity and completeness of technical Submissions

Technical Evaluation

Technical Suitability	Total Points = 40
Yes	40
No	0

Table 3 – Points to be gained based on evaluation of technical submissions for compliance
Compliance is evaluated against the requirements submitted in the technical evaluation sheets provided.

Formula 2

Delivery Score

$$\text{Delivery Score} = \frac{\text{Minimum Delivery time (Weeks)}}{\text{Bidder's Delivery time (Weeks)}} \times 10$$

Minimum Thresholds

Bidders failing to meet the following criteria will not be evaluated, as they would be deemed unqualified for the award of contract.

1. Minimum X-points of 20
2. Minimum Y-points of 30

NOTES ON EVALUATION

- (a) The Contract would be awarded to the Bidder whose bid is determined to be substantially Responsive to the Bid Document and who has offered the lowest evaluated Bid Price

A penalty of immediate rejection of a bid or termination of contract will be applied upon discovery of misrepresentation of information

Law of Guyana: Procurement Act 2003

Section 39 – Subsection 6 (b)

- (a) The procuring entity may grant a margin of preference not exceeding ten percent to tenders submitted by domestic contractors or for the benefit of tenders for domestically produced goods, provided that such preference is specified in the tender documents. If the lowest evaluated tender was submitted by a foreign tenderer, the evaluating committee will apply the margin of preference to the prices submitted by all foreign tenderers, for evaluation purpose. If, after applying the margin of preference, the lowest evaluated tender was submitted by a domestic tenderer, such tenderer shall be awarded the contract. Otherwise, the foreign tenderer who has submitted the lowest evaluated tender shall be awarded the contract.