

**REQUEST FOR PROPOSALS FOR THE
SUPPLY OF LED STREET LIGHTING
FIXTURES, ASSEMBLIES AND
ACCESSORIES FOR ELECTRICAL
SECTOR IN DOMINICA, FOR THE POST
HURRICANE MARIA RESTORATION
PERIOD OF THE ELECTRICITY
SUPPLY SYSTEM OF THE DOMINICA
ELECTRICITY SERVICES LIMITED
(DOMLEC), IN THE COMMONWEALTH
OF DOMINICA**

OCTOBER 2018

TABLE OF CONTENTS

1 INTRODUCTION AND OBJECTIVES

1.1 Intent of this Document

Bids are invited for the supply of Light Emitting Diode (LED) type street lighting fixtures, assemblies and accessories in support of DOMLEC's post Hurricane Maria efforts to restore the Electricity Generation and Supply System (The System) of the Commonwealth of Dominica, as well as their longer term strategic objectives which includes critical objectives relating Climate Resiliency and Renewable Energy generation, transmission, distribution and supply. Under the Electricity Supply Act of 2006, Dominica Electricity Services Limited (DOMLEC) are the current Licensee with responsibility for the restoration and post restoration operations and management of The System. DOMLEC will therefore be seeking proposals from suitably qualified entities to tender on the above mentioned material as detailed in the attached appendices as follows:

1. Appendix 1 – LED Street light specifications
2. Appendix 2 – Material specifications and quantities

Bidders are at liberty to request further details as deemed necessary.

1.2 Corporate Background & Relevant Business Information

The Dominica Electricity Services Limited, hereinafter called the Requestor, is an investor-owned, vertically integrated electric utility, which supplies electricity to the island of the Commonwealth of Dominica under respective Generation (non-exclusive) and Transmission, Distribution and Supply (exclusive) licenses, in accordance with the aforementioned Act. . The Requestor operates Generation, and Transmission, Distribution and Supply (TD&S) systems summarized as follows:

1.2.2 Table 1 - Generation Plants

PLANT	GENERATING UNIT TYPE	TOTAL CAPACITY
FOND COLE POWER STATION	RECIPROCATING DIESEL	13.864 MW
SUGAR LOAF POWER STATION	RECIPROCATING DIESEL	6.830 MW
LAUDAT POWER STATION	HYDRO TURBINE	1.240 MW
TRAFALGAR POWER STATION	HYDRO TURBINE	3.520 MW
PADU POWER STATION	HYDRO TURBINE	1.880 MW
TOTAL CAPACITY		27.334 MW

1.2.3 Table 2 – TD&E System

LENGTH OF HV LINES (11 kV)	500 km
LENGTH OF LV LINES (400/240 V)	725 km
NO. TRANSFORMERS/ASSOCIATED LV CIRCUITS	1,489
NO. OF POLES	15,924
NO. OF STREETLIGHT FOR REPLACEMENT BY LED	2,500

The demand for the island is between 17 MW and 18 MW, which an off peak demand as low as 8 MW especially in the cooler months of the year.

The pre Maria customer base was over 36,000 with an average monthly electrical energy consumption of 8.4 GWh.

1.3 Impact of Hurricane Maria

Hurricane Maria made a direct hit on the Commonwealth of Dominica on September 19, 2018, resulting in widespread damage and destruction across the island and affecting all sector of the economy. The electricity sector was affected as follows:

1.3.1 Generation System

Over 60% of the DOMLEC's generating capacity affected immediately. Currently only 22% of the generating capacity remains unavailable as restoration work in this area continues.

1.3.2 TD&S System

Over 98% of this system was affected immediately following the hurricane. Our restoration efforts have seen:

1.4 Status of Restoration/Recovery

After one (1) year, the status of our restoration is as follows:

1.4.1 Generation System

From a capacity point of view, the generation system has been restored to the 78% level. 4.2 MW/30% of the Fond Cole power station's capacity remains unavailable, and similarly, 1.88 MW/28.3% of the Hydro capacity remains unavailable. Additional current pertinent generation system metrics are as follows:

- a) System Peak – 11.8 MW, 65% of pre TS Maria peak
- b) Net Energy Production (end Oct, 2017 – end Sept. 2018) – 46.08 GWh
- c) Current average weekly load demand – 1.48 Gwh/69% of pre TS Maria demand for a similar period.

2 DESCRIPTION OF MATERIAL REQUIRED

As per details in Appendices 1 and 2, DOMLEC requires the material as summarized below:

- (a) LED Street lighting fixtures
- (b) Street lighting mounting hardware
- (c) Photo cells, cabling and other accessories

2.1 Safety and Environmental Policies and Procedures

The Bidder shall demonstrate the ability to conform with the Requestor's Health, Safety and Environmental Policies and Procedures generally, and specifically with its Material Safety Data Sheets, and Contractor Safety Work Program (CSWP). The requirements of same are set out in Appendices 3. Tenderers who have not met the requirements as set out

2.2 Pricing and Delivery

Bidders are requested to provide pricing and delivery times as per the format set out in Appendix 2.

3 BIDDERS' INSTRUCTIONS

3.1 Contact Person

Any further information required for this request for proposal may be obtained from:

Albernachie Ackie – Purchasing Officer
C/o Dominica Electricity Services
18 Castle Street
Roseau
Commonwealth Of Dominica
(767) 255-6178 (Office), (767) 275-7472 (Mobile), (767) or
(albernachie.ackie@domlec.dm)

3.2 Submission of Bids

Bids

1. Via email as follows
 - a. Captioned: Dominica LED Street Lighting
 - b. Email address: albernachie.ackie@domlec.dm
 - c. Copied to dave.stamp@domlec.dm, Project Coordinator (PC) and tamra.paul@domlec.dm Assistant to the PC
2. Tenders must be delivered by **16:00 hrs. on November 9, 2018**

4 PROCEDURE FOR AWARDING CONTRACT

4.1 Bid Evaluations and Award

The Requestor may make such investigations as it deems necessary to determine the qualification and ability of the Bidder to provide the requested materials and the Bidder shall furnish to the Requestor all such information and data required for this purpose.

The Requestor, reserves the right to, not accept the lowest or any bid.

After conducting its evaluations, and the Requestor will make an award/awards, and will advise both successful and unsuccessful Bidders via written communication. If the parties are unable to conclude negotiations and agree on terms, the Requestor reserves the right to select the next most eligible bid or to go back out to public bidding.

APPENDIX 1:LED STREETLIGHT SPECIFICATIONS

Luminaire Designation: ROADWAY LIGHTING - Type 3 LED intended to replace 100W (9500 L) HPS

INSTRUCTIONS: Indicate whether the LED LUMINAIRE being proposed MEETS or EXCEED the value as applicable

LED LUMINAIRE CRITERIA			MEETS or EXCEEDS
LUMEN OUTPUT	Min. LED lumen output	State value	
WATTAGE	Max. LED LUMINAIRE wattage	80W	
EFFICACY	Min. Lumens per Watt	100 lm/W	
POWER FACTOR	Min. power factor at full load	0.90	
HARMONIC DISTORTION	Max. harmonic distortion at full load	20%	
CRI	Min. Color Rendering Index	80	
VOLTAGE	Nominal luminaire input voltage (or range as applicable)	120 - 277 V	
LUMEN MAINT.	Min. % of initial output at 100,000 hours operation	80%	
WARRANTY	Min. luminaire warranty	10 years	
NOMINAL CCT	Rated correlated color temperature	4000 ± 300 K	
BUG RATINGS	Max. nominal backlight-uplight-glare ratings	B1-U0-G2	
FINISH	Luminaire housing finish color	Gray	
WEIGHT	Luminaire weight	Max. 20 lb	
TILT	Tilt adjustability of fixture. If "MEETS" indicate the degree of tilt.	>0°	
EPA	Max. effective projected area	0.7 ft2	
MOUNTING	Method <input type="checkbox"/> Post-top <input checked="" type="checkbox"/> Side-arm <input type="checkbox"/> Trun./yoke <input type="checkbox"/> Swivel Tenon		
	Tenon nominal pipe size (NPS)	1-5/8" to 2-3/8" OD	
VIBRATION	ANSI C136.31 <input type="checkbox"/> Level 1 (normal) <input checked="" type="checkbox"/> Level 2 (bridge/overpass)		
THERMAL ENVIRONMENT	Typical min. ambient temperature during operation	-40 °C (-40°F)	
	Typical max. ambient temperature during operation	40 °C (104°F)	
ELECTRICAL IMMUNITY	ANSI C136.2 Comb. Wave Test Level <input type="checkbox"/> Basic (6kV / 3kA) <input checked="" type="checkbox"/> Enhanced (10kV / 5kA) <input type="checkbox"/> Elevated (20kV / 10kA)		
CONTROL INTERFACE	<input type="checkbox"/> None <input type="checkbox"/> ANSI C136.10 (3-pin) <input type="checkbox"/> ANSI C136.41 (5-pin) <input checked="" type="checkbox"/> ANSI C136.41 (7-pin)		
LED DRIVER	<input type="checkbox"/> Not dimmable <input checked="" type="checkbox"/> Dimmable, 0-10V (IEC 60929) <input type="checkbox"/> Dimmable, DALI (IEC 62386)		

APPENDIX 1:LED STREETLIGHT SPECIFICATIONS

1.1 General requirements

- 1.1.1 Luminaires shall satisfy the key criteria summarized in preceding section, **PRODUCT REQUIREMENTS**. Products shall be selected in part on the basis of best value. Provide summary of luminaire attributes that significantly exceed the key criteria and/or detail items that do not satisfy criteria but could be determined to be acceptable.
- 1.1.2 Transmissive optical components shall be applied in accordance with OEM design guidelines to ensure suitability for the environment (e.g., electromagnetic, thermal, mechanical, chemical).
- 1.1.3 LED light source(s) and driver(s) shall be RoHS compliant.
- 1.1.4 Nominal luminaire input wattage shall account for nominal applied voltage and any reduction in driver efficiency due to sub-optimal driver loading.
- 1.1.5 Luminaire shall accept the voltage or voltage range specified at 50/60 Hz, and shall operate normally for input voltage fluctuations of plus or minus 10 percent.
- 1.1.6 All internal components shall be assembled and pre-wired using modular electrical connections.
- 1.1.7 The following shall be in accordance with corresponding sections of ANSI C136.37 except as noted.
 - 1.1.7.1 Wiring and grounding
 - 1.1.7.2 Terminal blocks for incoming AC lines (electrical mains wires)
 - 1.1.7.3 Photocontrol receptacle. An ANSI compliant, 7-wire (PRC7) photocontrol receptacle with the dimming connections shall be furnished.
 - 1.1.7.3.1 Gasket seal between the photocell control and the receptacle shall be neoprene material.
 - 1.1.7.4 Latching and hinging
 - 1.1.7.5 Mounting provisions
 - 1.1.7.6 Ingress protection for the luminaire electrical compartment shall be protected to minimum rating of IP65 unless the individual internal electronic components are sealed to at least IP65
- 1.1.8 Residential Property Light Protection – The luminaire shall have the capability for at least 1 of 3 of the following:
 - 1.1.8.1 The luminaire may have the capability to install a light shield on the “house side” of the fixture.
 - 1.1.8.2 The luminaire may include an LED dimmable driver as per Section 1.4.
 - 1.1.8.3 Adjustable tilt. Indicate degree on individual Luminaire Designation documents
- 1.1.9 The LED lights will not be metered.
- 1.1.10 Each refractor or lens shall be made from UV inhibited high impact plastic or heat and impact resistant and be resistant to scratching
- 1.1.11 Cap screws and clamping bracket(s) shall be made of corrosion resistant materials and be compatible with the luminaire housing and the mast-arm or treated to prevent galvanic reactions.

1.2 Painted or finished luminaire surfaces exposed to the environment

- 1.2.1 Shall exceed a rating of six per ASTM D1654 after 1000 hours of testing per ASTM B117.
- 1.2.2 The coating shall exhibit no greater than 30% reduction of gloss per ASTM D523, after 500 hours of QUV testing at ASTM G154 Cycle 6.

1.3 Thermal management

- 1.3.1 Mechanical design of protruding external surfaces (heat sink fins) shall facilitate hose-down cleaning and discourage debris accumulation.
- 1.3.2 The Luminaires shall not contain liquids or moving parts except where liquid is for a leveling bubble.

APPENDIX 1:LED STREETLIGHT SPECIFICATIONS

- 1.3.3 Exposed heat sink fins shall be oriented so that water can freely run off the luminaire and carry dust and other accumulated debris away from unit.
- 1.4 LED driver, photocontrol receptacle, and control interface
 - 1.4.1 Luminaire designations indicate “ASI C136.41, 7-pin” which shall be fully prewired and shall incorporate an ANSI C136.41 compliant receptacle. A dimmable LED driver can be provided as an ‘option.’ If a dimmable LED driver is specified, its 0-10V or DALI control wires shall be connected to the receptacle pads as specified in ANSI C136.41; connection of the two remaining pads shall be by Supplier.
- 1.5 Electrical safety testing
 - 1.5.1 Luminaire shall be listed for wet locations by a U.S. Occupational Safety Health Administration (OSHA) UL 1598 by Nationally Recognized Testing Laboratory (NRTL).
 - 1.5.2 Luminaire shall meet the performance requirements specified in ANSI C136.2 for dielectric withstand, using the DC test level and configuration.
- 1.6 Electrical immunity
 - 1.6.1 Luminaire shall meet the performance requirements specified in ANSI C136.2 for electrical immunity, using the combination wave test level.
 - 1.6.2 Manufacturer shall indicate on submittal form whether failure of the electrical immunity system can possibly result in disconnect of power to luminaire.
- 1.7 Interference and power quality
 - 1.7.1 Luminaire shall comply with FCC 47 CFR part 15 interference criteria for Class B digital devices.
 - 1.7.2 Luminaire shall comply with ANSI C82.77 at full input power and across specified voltage range.
- 1.8 Color attributes
 - 1.8.1 Color Rendering Index (CRI) shall be no less than 80.
 - 1.8.2 Nominal Correlated Color Temperature (CCT) shall be as specified in the Luminaire Designations. Measured CCT and Duv shall be as listed in the table below

Table 1.9.2.1. Allowable CCT and Duv

Manufacturer-Rated Nominal CCT (K)	Allowable IES LM-79 Chromaticity Values	
	Measured CCT (K)	Measured Duv
4000	3700 to 4300	-0.005 to 0.007

- 1.9 Identification
 - 1.9.1 Luminaire shall have an external label per ANSI C136.15.
 - 1.9.2 Luminaire shall have an internal label per ANSI C136.22.
- 2.0 REQUIRED SUBMITTALS
 - 2.2 Product cutsheets
 - 2.2.1 Luminaire cutsheets
 - 2.3 Instructions for installation and maintenance
 - 2.4 The City requires an initial shipment of 2,000 LED lights by November 1, 2016. Vendor must
- 2.2 Product cutsheets
 - 2.2.1 Luminaire cutsheets
- 2.3 Instructions for installation and maintenance
- 2.4 DOMLEC requires an initial shipment of 800 LED lights by October 24, 2018. Vendor must confirm that this time-line can be met.

APPENDIX 1:LED STREETLIGHT SPECIFICATIONS

- 2.5 Summary of luminaire recycled content and recyclability
 - 2.5.1 Shall be in accordance with the FTC Green Guides, expressed as a percentage of luminaire weight.
- 2.6 IES LM-79 luminaire photometric report(s)
 - 2.6.1 Provide IES for each type of light. Proposal must include the IES files corresponding to each product proposed.
 - 2.6.2 Shall be produced by the test laboratory
 - 2.6.2.1 The test laboratory shall satisfy LED Lighting Facts accreditation requirements.
 - 2.6.3 Shall include the following information
 - 2.6.3.1 Name of test laboratory
 - 2.6.3.2 Report number
 - 2.6.3.3 Date
 - 2.6.3.4 Complete luminaire catalog number
 - 2.6.3.5 Description of luminaire, LED light source(s), and LED driver(s)
 - 2.6.3.6 Goniophotometry
 - a. IES TM-15 Backlight-Uplight-Glare (BUG) ratings shall be for initial (worst-case) values, i.e., Light Loss Factor (LLF) = 1.0.
 - b. If luminaires are tilted upward for calculations in section 2.7.2, BUG ratings shall correspond to the same angle(s) of tilt.
- 2.7 Lumen maintenance calculations and supporting test data
 - 2.7.1 Shall be in accordance with LED Lighting Facts guidance.
 - 2.7.1.1 Exception: calculations shall be based on the cumulative hours of operation specified in the Luminaire Designations.
 - 2.7.2 Submit completed ENERGY STAR TM-21 Calculator as an electronic Excel file.
- 2.8 Computer-generated point-by-point photometric analysis of maintained light levels
 - 2.8.1 Calculation/measurement points shall be per IES RP-8. Separated vehicular lanes, bikeways, and walkways shall be evaluated separately.
 - 2.8.2 Calculations shall be for maintained values, i.e. Light Loss Factor (LLF) < 1.0, where $LLF = LLD \times LDD \times LATF$, and
 - 2.8.2.1 Lamp Lumen Depreciation (LLD) shall be 0.90 or the value calculated in section 2.6, whichever is lower.
 - 2.8.2.2 Luminaire Dirt Depreciation (LDD) = 0.90
 - 2.8.2.3 Luminaire Ambient Temperature Factor (LATF) = 0.96
 - 2.8.3 Mesopic multipliers (i.e., effective luminance factors) shall not be used. All values shall assume photopic visual adaptation.
 - 2.8.4 Submit IES LM-63 format electronic file containing luminous intensity data associated with submitted LM-79 report(s) and used for point-by-point calculations.
- 2.9 Summary of reliability testing performed for LED driver(s)
- 2.10 Written product warranty as per section 4.0 below
- 2.11 Safety certification and file number indicating compliance with UL 1598
 - 2.11.1 Applicable testing bodies are determined by the US Occupational Safety Health Administration (OSHA) as Nationally Recognized Testing Laboratories (NRTL) and include: CSA (Canadian Standards Association), ETL (Edison Testing Laboratory), and UL (Underwriters Laboratory).

APPENDIX 1:LED STREETLIGHT SPECIFICATIONS

3.0 QUALITY ASSURANCE

3.1 Electrically test fully assembled luminaires before shipment from factory.

3.2 After installation, D may perform IES LM-79 and/or IES LM-50 field measurements to verify performance requirements, giving consideration to manufacturing tolerances and measurement uncertainties as outlined in IES LM-61 and NEMA LSD 63. LED's shall maintain performance as outlined. If an LED, doesn't perform as required during field testing, the supplier shall replace the LED immediately and at no cost to DOMLEC. Continued nonperformance in testing may lead to the termination of the agreement to purchase the LED's.

4.0 WARRANTY

4.1 Warranty shall be of the minimum duration of ten (10) years, and shall cover maintained integrity and functionality of the following:

4.1.1 Luminaire housing, wiring, and connections

4.1.2 LED light source(s)

4.1.2.1 Negligible light output from more than 10 percent of the LED packages constitutes luminaire failure.

4.1.3 LED driver(s)

4.2 Warranty period shall begin 90 days after date of invoice, or as negotiated by DOMLEC.

4.3 Any packaging, shipping and handling costs on returned components or luminaires under warranty shall be at the expense of the suppliers.

5.0 MANUFACTURER SERVICES

5.1 Manufacturer or local sales representative shall provide installation and troubleshooting support via telephone and/or email.

6.0 ELIGIBLE MANUFACTURERS

6.1 Any manufacturer offering products that comply with the required product performance and operation criteria may be considered. If the manufacturer's products are unable to meet all the standards or requirements set forth in this document but can present evidence that the product could still be found suitable for the applications outlined in this RFP, the manufacturer can present in writing reasons why their product should be considered.

APPENDIX 2: MATERIAL SPECIFICATIONS AND QUANTITIES

TELEPHONE
GENERAL OFFICE : (767) 448-2681
PURCHASING : (767) 448-6281



FACSIMILE
PURCHASING : (767) 448-7133

DOMINICA ELECTRICITY SERVICES LIMITED

18 CASTLE STREET
P.O. BOX 1593
ROSEAU, COMMONWEALTH OF DOMINICA
WEST INDIES

Requisition No: ETD-116/18
Date: 21st September 2018

Date Quote Required:
24th September 2018

REQUEST FOR QUOTATION

Please quote your lowest net price **C & F**. Roseau, Commonwealth of Dominica for the items specified below. **Our Company has open Cargo Insurance and you are not required to take same through the carriers insurance program.** No charge will be allowed for packing or cartage if not previously arranged. If you cannot quote on the items listed and wish to substitute goods of equal or superior quality, give complete description of proposed substitution. Prices and delivery must be firm. **Payment Terms : Best Extended Payment Terms.**

PURCHASING CLERK _____

A.A.Ackie

E-mail: albernachie.ackie@domlec.dm

Tel : (767) 255-6178 , Fax : (767) 448-7133

Lin #	Our Item No.	Qty U/M	Vendor Item No. / Description	Price	U/M	Amount
1	ZZZS126	2000 Ea.	CEW1007 PC NEMA 8480M 100 LUX 1 : 1 Grey Photocell, 50 Hz, Revision 1 (8480M030) Plug in Type *** Items Require Immediate Delivery Into Dominica. *** Please “ Hot Rush ” quote to include Freight Cost for our evaluation, thank you.			

THIS IS NOT AN ORDER

TO: Purchasing Officer, Roseau, Commonwealth of Dominica
We quote you **C & F**, Roseau, Commonwealth of Dominica.

DATE SHIPMENT CAN BE MADE

Terms _____

Date _____

Signed _____

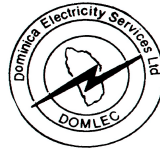
Name of Firm

By _____

PHONE No. _____

APPENDIX 2: MATERIAL SPECIFICATIONS AND QUANTITIES

TELEPHONE
GENERAL OFFICE : (767) 448-2681
PURCHASING : (767) 448-6281



FACSIMILE
PURCHASING : (767) 448-7133

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18 CASTLE STREET
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Requisition No: ETD-117/18
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Date Quote Required:
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A.A.Ackie

E-mail: albernachie.ackie@domlec.dm

Tel : (767) 255-6178 , Fax : (767) 448-7133

Lin #	Our Item No.	Qty U/M	Vendor Item No. / Description	Price	U/M	Amount
1	ZZZS120	1000 Ea.	AMI-100 or P125S020 2 Ft. Utility Metal, Galvanize Steel Bracket Arm without Mounting Hardware, For Wood Pole Mounting, Cantilever Style *** Items Require Immediate Delivery Into Dominica. *** Please “ Hot Rush ” quote to include Freight Cost for our evaluation, thank you.			

THIS IS NOT AN ORDER

TO: Purchasing Officer, Roseau, Commonwealth of Dominica
We quote you **C & F**, Roseau, Commonwealth of Dominica.

DATE SHIPMENT CAN BE MADE

Terms _____ Date _____

Signed _____ By _____ PHONE No. _____
Name of Firm

APPENDIX 2: MATERIAL SPECIFICATIONS AND QUANTITIES

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FACSIMILE
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DOMINICA ELECTRICITY SERVICES LIMITED

18 CASTLE STREET
P.O. BOX 1593
ROSEAU, COMMONWEALTH OF DOMINICA
WEST INDIES

Requisition No: ETD-118/18
Date: 21st September 2018

Date Quote Required:
25th September 2018

REQUEST FOR QUOTATION

Please quote your lowest net price **C & F**. Roseau, Commonwealth of Dominica for the items specified below. **Our Company has open Cargo Insurance and you are not required to take same through the carriers insurance program.** No charge will be allowed for packing or cartage if not previously arranged. If you cannot quote on the items listed and wish to substitute goods of equal or superior quality, give complete description of proposed substitution. Prices and delivery must be firm. **Payment Terms : Best Extended Payment Terms.**

PURCHASING CLERK _____

A.A.Ackie

E-mail: albernachie.ackie@domlec.dm

Tel : (767) 255-6178 , Fax : (767) 448-7133

Lin #	Our Item No.	Qty U/M	Vendor Item No. / Description	Price	U/M	Amount
1	ZZZS147	3000 Ea.	Type 3 LED Fixtures for Roadway Lighting as per attached specification sheets. Schedule of delivery into Dominica as follows: To be supplied as follows: Qty. 800 Ea. – October 2018 Qty. 800 Ea. – November 2018 Qty. 800 Ea. – December 2018 Qty. 600 Ea. – January 2019			
2	”	500 Ea.	Type 3 LED Fixtures for Roadway Lighting as per attached specification sheets. *** Line Item # 2 above is additional items and require separate quotation. Order to be confirmed based on final requirements following complete receipt of line item # 1. *** Please “ Hot Rush ” quote to include Freight Cost for our evaluation, thank you.			

THIS IS NOT AN ORDER

TO: Purchasing Officer, Roseau, Commonwealth of Dominica
We quote you **C & F**, Roseau, Commonwealth of Dominica.

APPENDIX 2: MATERIAL SEPCIFICATIONS AND QUANTITIES

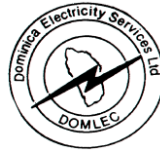
DATE SHIPMENT CAN BE MADE

Terms _____ Date _____

Signed _____ By _____ PHONE No. _____
Name of Firm

APPENDIX 2: MATERIAL SPECIFICATIONS AND QUANTITIES

TELEPHONE
GENERAL OFFICE : (767) 448-2681
PURCHASING : (767) 448-6281



FACSIMILE
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DOMINICA ELECTRICITY SERVICES LIMITED

18 CASTLE STREET
P.O. BOX 1593
ROSEAU, COMMONWEALTH OF DOMINICA
WEST INDIES

Requisition No: ETD-119/18
Date: September 25th 2018

Date Quote Required:
September 27th 2018

REQUEST FOR QUOTATION

Please quote your lowest net price **C & F**. Roseau, Commonwealth of Dominica for the items specified below. **Our Company has open Cargo Insurance and you are not required to take same through the carriers insurance program.** No charge will be allowed for packing or cartage if not previously arranged. If you cannot quote on the items listed and wish to substitute goods of equal or superior quality, give complete description of proposed substitution. Prices and delivery must be firm. **Payment Terms : *Best Extended Payment Terms***

PURCHASING CLERK _____

Jislyn Charles

E-mail: jislyn.charles@domlec.dm

Tel : (767) 255-6135, Fax : (767) 448-7133

Lin #	Our Item No.	Qty U/M	Vendor Item No. / Description	Price	U/M	Amount
1	ZZZS210	20,000 Ft.	2.5mm ² Flat Twin and Earth Power Cable, Insulation Type : PVC or similar Voltage : 600 VAC			
2	ZZZS211	20,000 Ft.	2.5mm ² 2 Core Flex Cable Insulation Type : PVC or similar Voltage : 600 VAC			
Please furnish quote to include Freight Cost for our evaluation, thank you.						

THIS IS NOT AN ORDER

TO: Purchasing Officer, Roseau, Commonwealth of Dominica
We quote you **C & F**, Roseau, Commonwealth of Dominica.

DATE SHIPMENT CAN BE MADE

Terms _____ Date _____

APPENDIX 2: MATERIAL SEPCIFICATIONS AND QUANTITIES

Signed _____

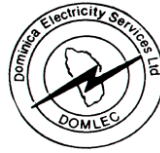
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18 CASTLE STREET
P.O. BOX 1593
ROSEAU, COMMONWEALTH OF DOMINICA
WEST INDIES

Requisition No: ETD-120/18
Date: September 25th 2018

Date Quote Required:
September 27th 2018

REQUEST FOR QUOTATION

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Tel : (767) 255-6135, Fax : (767) 448-7133

Lin #	Our Item No.	Qty U/M	Vendor Item No. / Description	Price	U/M	Amount
1	ZZAB210	8000 Ea.	Part Number CDP-150-10 Insulation Piercing Connector for Streetlights Primary : 10 – 150mm ² Tap : 1.5 – 10mm ² Please furnish quote to include Freight Cost for our evaluation, thank you.			

THIS IS NOT AN ORDER

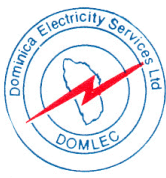
TO: Purchasing Officer, Roseau, Commonwealth of Dominica
We quote you **C & F**, Roseau, Commonwealth of Dominica.

DATE SHIPMENT CAN BE MADE

Terms _____ Date _____

APPENDIX 2: MATERIAL SEPCIFICATIONS AND QUANTITIES

Name of Firm _____



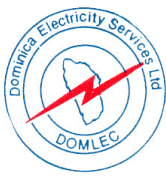
DOMINICA ELECTRICITY SERVICES LIMITED

2017

DOMINICA ELECTRICITY SERVICES LIMITED.

CONTRACTOR SAFE WORK PROGRAM.

1. **The Contract Planning Stage:** covers the Safety, Health & Environmental requirements (Job Hazard Analysis) and technical aspects of the job (scope of the work). The process is as follows:
 - a. The Contract Manager plans the work and develop the scope. He may use consultants where required.
 - b. The Contract Manager undertakes a Job Hazard Analysis (JHA) for the works using the JHA form.
 - c. The Contract Manager sends out Request for Proposal (RFP) documents. The said RFP also includes a request for a JHA to be undertaken by the bidders.
2. **Pregualification and Bid Evaluation Stage:** The awarding of contracts will not only be on grounds of price and technical ability, but also on the bidder's ability to satisfy the safety and environmental standards and requirements of DOMLEC, and other applicable laws, regulations or standards.
 - a. The bidder completes the Bidder HSE Qualification form (Appendix 3 in the Contractor Safety Program document).
 - b. The Contract Manager collects the tender documents which will also include the JHA Form and the Bidder HSE Qualification form.
 - c. The Contract Manager conducts a bid analysis on the basis of price, technical ability, HSE standard, and law/regulation compliance to select a contractor for the project. The analysis should be done using the Bid Analysis Form.
 - d. The Contract Manager should also validate that the contractor meets the insurance, Social Security and the Inland Revue Division requirements.
 - e. The HR & Admin. Department will maintain an updated list of registered and JHA-trained contractors. Only contractors who have done the JHA training should be selected for contractual work with DOMLEC.
 - f. The Contract Manager will then informs the successful contractor.
 - g. The Contract Manager should use the JHA which he created during the planning stage and the JHA from the contractor to create the JHA to be used for the project.
 - h. The Contract Manager then drafts out the contract and attaches a copy of the JHA.
 - i. The Contract Manager may update this JHA when there is an incident, change in job scope, changes in technology or every three years.



DOMINICA ELECTRICITY SERVICES LIMITED

2017

3. **Contract Orientation:** includes General and Site Orientation with contractor and team prior to starting work with DOMLEC.
 - a. The Orientation Form should be used as a guide to conduct the orientation and must be dated and signed off by the respective persons.
 - b. The orientation form should be completed and filed by the Contract Manager.
4. **Execution and Monitoring:** During this stage:
 - a. The contractor shall conduct a daily written tailgates using the Tailgate Form
 - b. The Contract Manager should conduct regular monitoring of the work in progress, HSE requirements, technical, regulatory and other compliance.
 - c. Other supervisors may also conduct routine work observation and document their findings using the Job Observation Form.
 - d. Contractor's incidents should be reported using the Contractor Incident Report Form in appendix 4 of the CSP document and proactives should be reported using the Proactive Report Forms.
 - e. HSE Noncompliance will result in corrective actions appropriate to the nature and seriousness of the issue, as determined by DOMLEC.
5. **Contract Completion:** At the end of the job a contract review should be conducted.
 - a. At the end of the job the Contract Manager shall conduct a contract review using the Contract Review Form.
 - b. The Contract Review Form shall be completed and signed off by both the contractor and the Contract Manager
 - c. The Contract Review Form should provide the contractor with the opportunity for feedback for continuous improvement.

Attachments:

1. JHA Form
2. Bidder HSE Qualification Form
3. Bid Analysis Form
4. Orientation Form
5. Tailgate Form
6. Job Observation form
7. Contractor Incident Reporting Form
8. Proactive Reporting Form
9. Contract Review Form

Note: All related CWSP forms and documents will be received by the participants who are shortlisted.