



Guyana Power & Light

**Registered Offices:
Guyana Power & Light Inc.
40 Main Street
Georgetown
Guyana
Tel. No. 592-227-4482
Fax No. 592-225-5638**

September 26, 2008

Prospective Bidders

**INVITATION FOR BIDS (IFB) GPL – PD-07-09/2008
PROCUREMENT OF SWITCHYARD MATERIALS, 69 KV SUB-STATIONS PROJECT**

ADDENDUM No. 2

Please find attached an addendum on the above contract. This addendum forms part of the contract and must be included in your bid submission.

Please acknowledge receipt of this addendum.

Should you require any further clarifications, do not hesitate to contact me.

Yours sincerely

GUYANA POWER & LIGHT INC.

Lennox McGregor

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Projects Manager

**INVITATION FOR BIDS (IFB) GPL – PD-07-09/2008
PROCUREMENT OF SWITCHYARD MATERIALS, 69 KV SUB-STATIONS PROJECT**

ADDENDUM No. 2

This addendum addresses clarifications requested on 15 -09 - 08 and now forms part of the bidding and contract documents and modifies the original bidding documents. Kindly acknowledge receipt of this addendum in the space provided in the Bid Submission Form. **Failure to do so may subject Bidder to disqualification.**

AMENDMENT/CLARIFICATION OF LIST OF GOODS AND DELIVERY SCHEDULE, 69 KV Switchyard Materials.

1. **Closing date** for the submission of Bids for 69 KV switchyard materials has been extended to **October 28th 2008 at 09:00 hours.**
2. Please be informed that the technical specifications for the items listed below have been supplemented as follows:

ITEM	DESCRIPTION	QTY	Clarification requested on September 15, 2008	GPL Reply
2	Outdoor group manual operated disconnect switch 69 KV	1	Provide Technical Specifications	OUTDOOR GROUP MANUAL OPERATED DISCONNECT SWITCH, WITH HORN GAPS, 69 KV, 3 POLE, 60 HZ, 600 AMPS WITH 3 POLE GROUND SWITCH, FOR MOUNTING ON 7'-0" CENTERS VERTICAL BREAK PLEASE REFER TO DWG NO. 5279-00-D-5A134, PREVIOUSLY SENT AS GCE6
3	Outdoor group manual operated disconnect switch 69 KV	2	Provide Technical Specifications	OUTDOOR GROUP MANUAL OPERATED DISCONNECT SWITCH, WITH HORN GAPS, 69 KV, 3 POLE, 60 HZ, 600 AMP FOR MOUNTING ON 7'-0" CENTERS. VERTICAL BREAK PLEASE REFER TO DWG NO. 5279-00-D-5C137, PREVIOUSLY SENT AS GCE2

5

Potential transformer 42kv/69-120V

2

Provide
Technical
Specifications

OUTDOOR POTENTIAL TRANSFORMER
42kv/69-120v/69-120v single phase 350kv BIL.

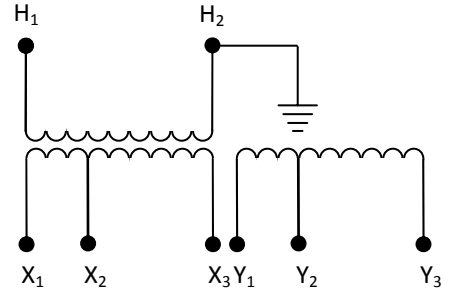
INS P.F.....	0.20%
THERMAL CAP.....	3.5
BIL.....	350KV
FREQUENCY.....	60HZ
INS P.F.....	0.20%
THERMAL CAP.....	3.5

PRIMARY SIDE

MAXIMUM HV.....	69KV
PHASE-TO-GROUND VOLTAGE.....	42KV

SECONDARY SIDE

X ₁ -X ₃	120V
X ₂ -X ₃	70V
X ₁ -X ₂	50V
Y ₁ -Y ₃	120V
Y ₂ -Y ₃	70V
Y ₁ -Y ₁	50V



PLEASE REFER TO DWG NUMBERS: 5279-00-D-5C137 & 5279-00-D-5C136, PREVIOUSLY SENT AS GCE2 AND GCE7 RESPECTIVELY

nn	72.5KV,1200 Amps, SF6 Breaker	1	Provide Technical Specifications	<p>Dead Tank Circuit Breaker (SF6) Model DTI-72.5 F1</p> <p>Type DT1-72.5 F1 Rated max voltage 72.5KV BIL 350 KV Rated Continuous Current..... 1200 A Rated Interruption Time..... 3 cycle Rated Short - circuit current 40 kA Rated K factor 1 Continuous Current 1,200 A Short-Circuit Current 31.5 kA Operating Frequency..... 60 Hz</p> <p>SF6 Pressure 69.6 Psig Sf6 Pressure..... 55 Psig Lockout Pressure. 50 Psig Gas Weight..... 45 Lbs Temp. Range..... -40 – 40 °C Motor 125vdc, 450w Total Weight 4,200 Lbs</p> <p>Capacitance current switching Rated Overvoltage Transient Factor 2.0 Rated Open-Wire Line Charging Current..... 100A Rated Isolated Shunt Capacitor Bank Current 630A Rated Back- to-back Shunt Capacitor Bank Current.. 630 A Rated Transient Inrush Current, Peak..... 25KA Rated Transient Inrush Current Frequency..... 3360 Hz Rated Out-of-Phase Switching Current..... 10 Ka</p> <p>Mechanism type CRR4 Closing control..... 125 VDC, 3.1 A Motor 125 VDC, 450 W Tripping control..... 125 VDC, 1.4 A</p> <p>POLE MOUNTED (MOUNTING HEIGHT 32 FT) 69 KV DISCONNECT SWITCH 600 AMPS, HORIZONTAL MOUNTING, VERTICAL BREAK</p> <table border="1" data-bbox="992 1377 1573 1591"> <thead> <tr> <th colspan="5">Ratings</th> </tr> <tr> <th colspan="3">KV</th> <th colspan="2">AMPERES</th> </tr> <tr> <th>Nom</th> <th>Max</th> <th>BIL</th> <th>Cont</th> <th>MOM(KA)</th> </tr> </thead> <tbody> <tr> <td>69</td> <td>72.5</td> <td>350</td> <td>600</td> <td>40</td> </tr> </tbody> </table>	Ratings					KV			AMPERES		Nom	Max	BIL	Cont	MOM(KA)	69	72.5	350	600	40
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Nom	Max	BIL	Cont	MOM(KA)																				
69	72.5	350	600	40																				
nn	Pole mounted (mounting height 32ft) 69 KV disconnect switch 600 Amps, horizontal break	1	Provide Technical Specifications																					
nn	Ground gradient control mat 6ft x 4ft	6	Provide Technical Specifications	<p>GROUND GRADIENT CONTROL MAT – 0" x 4'-0" WITH MESH 6" x 6" MADE FROM 1/4"DIA RODS. FINISHED HOT DIPPED GALVANIZED.</p> <p>PLEASE REFER TO AUTOCAD DRAWING: GROUND GRADIENT MAT</p>																				