



North Carolina  
Department of Administration

Beverly Eaves Purdue, Governor  
Moses Carey, Jr., Secretary

Division of Purchase & Contract  
James D. Staton, State Purchasing Officer

February 24, 2011

NPC  
Attn.: Lamar Britt  
5100 Departure Drive  
Raleigh, NC 27614

Ref.: Bid #201000589-Generators/Request for Price Increase

Dear Mr. Britt:

This is to acknowledge and respond to your letter dated February 3, 2011 requesting a price increase for the above referenced bid. Your request for a price increase has been approved for Line 001 at a 5% increase and Line 003 at a 4% increase. However, Line 002 at 7% increase is not approved. Please be advised that the effective date of this increase will February 24, 2011. The increase shall be effective for the duration of the contract expiration date as outlined in the bid solicitation.

Your interest in doing business with the State of North Carolina is very much appreciated.

Should you have any questions, please do not hesitate to contact me at (919) 807-4520.

Sincerely,

A handwritten signature in black ink, appearing to read "Bahaa Jizi".

Bahaa Jizi  
State Procurement Specialist

Mailing Address:  
1305 Mail Service Center  
Raleigh, NC 27699-1325

Internet Home Page: [www.doa.state.nc.us](http://www.doa.state.nc.us)  
Phone: 919-807-4500

Location Address:  
116 West Jones Street  
Raleigh, NC 27603-8002

Proposed Price Adjustments

Item	Description	Original Price	New Price	% Increase
#1	80KW Diesel Generator, 1-phase, 240/120 VAC (Option #4) w/integral fuel tank	\$ 19,940.00	\$ 21,034.71	5.49%
#2	80 KW Dual Multi Fueled generator, 1-phase, 240/120 VAC (Option #5)	\$ 19,408.00	\$ 20,710.28	6.71%
#3	40KW diesel generator, single phase, 240/120 VAC (Option #2) w/integral fuel tank.	\$ 18,628.00	\$ 19,402.92	4.16%
#4	40 KW LPG, single phase 240/120 VAC (Option #3) vapor fueled generator.	\$ 14,597.00	\$ 15,194.02	4.09%
#5	25 KW diesel generator, single phase 240/120 VAC (Option #1) w/integral fuel tank.	\$ 16,160.00	\$ 16,808.02	4.01%
#6	400 AMP Automatic Transfer Switch, 3-pole for 1-phase service	\$ 2,720.00	\$ 2,860.62	5.17%
#7	200 AMP Automatic Transfer Switch, 2-pole for 1-phase service	\$ 1,625.00	\$ 1,713.73	5.46%
#7	200 AMP Automatic Transfer Switch, 3-pole for 1-phase service	\$ 1,916.00	\$ 2,017.93	5.32%
#8	100 AMP Automatic Transfer Switch, 3-pole for 1-phase service	\$ 1,420.00	\$ 1,489.86	4.92%
#9	400 AMP Manual Transfer Switch for single phase service only	\$ 2,474.00	NC	
#10	200 AMP Manual Transfer Switch for single phase service only	\$ 1,260.00	NC	
#11	ACDATA Series BB2XRR surge arrester	\$ 1,085.00	NC	
#12	Appleton COPS receptacle P/N ADJA20044-250	\$ 805.00	NC	

- 21,034.71  
 - 19,408.00  
 - 19,402.92  
 - 15,194.02  
 - 16,808.02  
 - 2860.62  
 - 1713.73  
 - 2017.93  
 - 1489.86



STATE OF  
NORTH CAROLINA

DEPARTMENT OF ADMINISTRATION  
DIVISION OF PURCHASE AND CONTRACT  
RALEIGH, NC

**CONTRACT CERTIFICATION**

*THIS IS NOT A PURCHASE ORDER!*

**BID/FILE NUMBER: 201000589**

**THIS BID NUMBER MUST BE SHOWN ON  
YOUR PURCHASE ORDER.**

O: Jennifer Jackson  
DEPARTMENT - Crime Control and Public Safety  
Raleigh, NC 27699

DATE: May 20, 2010  
REQUISITION NO: PR9780520  
TERMS: Net  
DELIVERY:

In accordance with the requirements of General Statutes 143-52 and 143-53, we certify contract on the items listed below to be ordered by you. Issue orders immediately direct to the Vendor listed, giving complete shipping instructions. Order only the item(s) listed and in the quantity(ies) shown. Price(s) includes delivery to destination. Read the contract in its entirety including the attached General Contract Terms and Conditions to be aware of any action necessary on your part.

COMMODITY NO: 285-39

Generators

\$100,142.00

**VENDOR:**

National Power Corp.  
Attention: Molly Logan  
100 Departure Drive  
Raleigh, NC 27616



Bahaa Jizi

**INSTRUCTIONS TO VENDORS:**

**THIS IS NOT A PURCHASE ORDER.** Do not make shipment until you have received an official order from the using agency.

Invoices should be made out to the using agency and forwarded direct to them for payment.

The exact items certified and ordered must be shipped. No substitutions shall be made without prior approval of the Division of Purchase and Contract. Applicable North Carolina sales and use tax shall be added to invoices as a separate item.

Please note the contract award description above; the contract awarded to you may be a portion of the contract rather than the complete contract.



<b>STATE OF NORTH CAROLINA</b> <b>NC Department of Administration</b> <b>Division of Purchase and Contract</b>	<b>INVITATION FOR BIDS NO. 201000589</b>	
	Bids will be publicly opened: May 3, 2010	
Refer <u>ALL</u> Inquiries to: Bahaa Jizi Telephone No. 919-807-4520 E-Mail: bahaa.jizi@doa.nc.gov (See page 2 for mailing instructions.)	Contract Type: Agency Specific Term Contract	
	Commodity: Generators	
		Using Agency Name: DEPARTMENT - Crime Control and Public Safety
		Agency Requisition No.: PR9780520
INTERNET ADDRESS: <a href="http://www.pandc.nc.gov/">http://www.pandc.nc.gov/</a>		

**NOTICE TO BIDDERS**

Sealed bids, subject to the conditions made a part hereof, will be received at this office (116 W. Jones St., Raleigh, NC) until 2 o'clock p.m. on the day of opening and then opened, for furnishing and delivering the commodity as described herein. Refer to page 2 for proper mailing instructions.

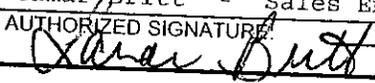
Bids submitted via telegraph, facsimile (FAX) machine, telephone, and electronic means, including but not limited to e-mail, in response to this Invitation for Bids will not be acceptable. Bids are subject to rejection unless submitted on this form.

Please review the new additions to the Instructions to Bidders, which are found in new paragraphs 22 ("Confidentiality of Bids," which prohibits certain types of communications during the procurement process and any violation of this provision may subject bidder's bid to disqualification) and 23 (Executive Order #50-Price-Matching Preference); and review the changes to paragraphs 15 (Award of Contract) and 19 (Protest Procedures) in the Instructions to Bidders, which are required to implement Executive Order 50.

**EXECUTION**

In compliance with this Invitation for Bids, and subject to all the conditions herein, the undersigned offers and agrees to furnish and deliver any or all items upon which prices are bid, at the prices set opposite each item within the time specified herein. By executing this bid, I certify that this bid is submitted competitively and without collusion (G.S. 143-54), that none of our officers, directors, or owners of an unincorporated business entity has been convicted of any violations of Chapter 78A of the General Statutes, the Securities Act of 1933, or the Securities Exchange Act of 1934 (G.S. 143-59.2), and that we are not an ineligible vendor as set forth in G.S. 143-59.1. False certification is a Class I felony.

**Failure to execute/sign bid prior to submittal shall render bid invalid. Late bids are not acceptable.**

BIDDER: National Power Corporation		
STREET ADDRESS: 5100 Departure Drive		
CITY & STATE & ZIP: Raleigh, NC 27616		P.O. BOX: 58729
		TELEPHONE NUMBER: 919-790-1672
		ZIP: 27658
		TOLL FREE TEL. NO (800) 790-1672
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO BIDDERS ITEM #21):		
N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee of any gift from anyone with a contract with the State, or from any person seeking to do business with the State. By execution of any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization.		
PRINT NAME & TITLE OF PERSON SIGNING: Lamar Britt - Sales Engineer		FAX NUMBER: 919-790-9714
AUTHORIZED SIGNATURE: 	DATE: May 3, 2010	E-MAIL: lamar.britt@natpow.com

Offer valid for 45 days from date of bid opening unless otherwise stated here: \_\_\_ days (See Instructions to Bidders, Item 6). Prompt Payment Discount: \_\_\_ % \_\_\_ days (See Instructions to Bidders, Item 7).

**ACCEPTANCE OF BID**

If any or all parts of this bid are accepted by the State of North Carolina, an authorized representative of the Division of Purchase and Contract shall affix their signature hereto and this document and the provisions of the Instructions to Bidders, special terms and

conditions specific to this Invitation for Bids, the specifications, and the North Carolina General Contract Terms and Conditions shall then constitute the written agreement between the parties. A copy of this acceptance will be forwarded to the successful bidder(s).

**FOR STATE USE ONLY**

Offer accepted and contract awarded this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, as indicated on attached certification,  
by \_\_\_\_\_ (Authorized representative of the Division of Purchase and Contract).

In an effort to support the sustainability efforts of the State of North Carolina we solicit your cooperation in this effort.

**It is desirable that all responses meet the following requirements:**

- All copies are printed **double sided**.
- All submittals and copies are printed on **recycled paper with a minimum post-consumer content of 30%** and indicate this information accordingly on the response.
- Unless absolutely necessary, all bids and copies should **minimize or eliminate use of non-recyclable or non re-usable materials** such as plastic report covers, plastic dividers, vinyl sleeves, and GBC binding. Three-ringed binders, glued materials, paper clips, and staples are acceptable.
- Materials should be submitted in a format which allows for **easy removal and recycling** of paper materials.

**MAILING INSTRUCTIONS:** Mail only one fully executed bid document, unless otherwise instructed, and only one bid per envelope. Address envelope and insert bid number as shown below. It is the responsibility of the bidder to have the bid in this office by the specified time and date of opening.

<b><u>DELIVERED BY US POSTAL SERVICE (REGULAR/STANDARD MAIL ONLY)</u></b>	<b><u>DELIVERED BY ANY OTHER MEANS/SPECIAL DELIVERY/OVERNIGHT (BY ANY OTHER CARRIER)</u></b>
BID NO. _____ NC DEPARTMENT OF ADMINISTRATION DIVISION OF PURCHASE AND CONTRACT 1305 MAIL SERVICE CENTER RALEIGH NC 27699-1305	BID NO. _____ NC DEPARTMENT OF ADMINISTRATION DIVISION OF PURCHASE AND CONTRACT 116 WEST JONES STREET Room 4062 4 <sup>th</sup> Flr. RALEIGH NC 27603-8002

\*\*\*\*\***SPECIAL NOTE – PLEASE READ**\*\*\*\*\*

The US Postal Service **DOES NOT** deliver any mail (US Postal Express Mail, Certified, Priority, Overnight, etc.) to our physical address of 116 West Jones Street.

**TABULATIONS:** The Division has implemented an Interactive Purchasing System (IPS) that allows the public to retrieve bid tabulations electronically from our Internet web site: <http://www.pandc.nc.gov/>. Click on the IPS BIDS icon, click on Search for Bid, enter the bid number, and then search. Tabulations will normally be available at this web site not later than one working day after opening. Lengthy tabulations may not be available on the Internet, and requests for these verbally or in writing cannot be honored. .

**VENDOR REGISTRATION AND SOLICITATION NOTIFICATION SYSTEM:** Vendor Link NC allows vendors to electronically register free with the State to receive electronic notification of current procurement opportunities for goods and services available on the Interactive Purchasing System. Online registration and other purchasing information are available on our Internet web site: <http://www.pandc.nc.gov/>.

**SCOPE:** The purpose and intent of this Invitation for Bids is to establish an Agency Specific Term Contract with one or more qualified bidder(s) to furnish and deliver Generators on an "as needed" basis if and when ordered by the NC Crime Control and Public Safety during the contract period.

**PERIOD OF CONTRACT:** This contract shall be from date of award through April 31, 2013-(Non Renewable).

**QUANTITY:** Quantities set forth in this solicitation are estimates only, and the successful bidder shall supply at bid prices actual quantities as ordered, regardless of whether such total quantities are more or less than those shown in the bid solicitation.

**ATTENTION:** This is an e-procurement solicitation. See paragraph #19 of the attached General Contract Terms and Conditions.

The Terms and Conditions made part of this solicitation contain new language necessary for implementation of North Carolina's Statewide e-procurement initiative.

It is the offeror's responsibility to read these terms and conditions carefully and consider them in preparing the offer. By signature offeror acknowledges acceptance of all terms and conditions, including those related to e-procurement.

General information on the e-procurement service can be found at: <http://eprocurement.nc.gov/>

**DELIVERY:** The successful bidder will complete delivery within 150 consecutive calendar days after receipt of purchase order, unless otherwise stated here: \_\_\_\_\_ days. Delivery will be made from \_\_\_\_\_ (City & State). The State reserves the right to consider the delivery time offered as a factor in the award of contract.

**TRANSPORTATION:** FOB Destination: \_\_\_\_\_ 1400 Transport Dr., Raleigh, NC 27603. \_\_\_\_\_ - Freight and any related transportation charges must be included in your bid price(s).

**BID EVALUATION:** Bids are requested on the items and/or equipment as hereinafter specified or like items similar in design, function and performance. The State reserves the right to reject any bid on the basis of function, compatibility with user's intended use or applications as well as costs. Bidder(s) are cautioned that any/all information furnished or not furnished on this bid may be used as a factor in determining the award of this contract.

**SUITABILITY FOR INTENDED USE:** Bidders are requested to offer only comparable equipment which will provide the equivalent capabilities, features and diversity called for herein. The State reserves the right to evaluate all proposals for suitability for the required use and to award the one best meeting requirements and thought to be in the State's best interest.

**PRODUCT INFORMATION/DESCRIPTIVE LITERATURE:** Bidders shall clearly and specifically identify the product being offered and enclose complete and detailed descriptive literature, catalog cuts and specifications with the bid to enable the State to determine if the product being offered meets the requirement of the solicitation. Failure to do so **shall** cause the bid to be considered non-responsive, and therefore rejected.

**MAKE AND MODEL:** Manufacturer's name and model/catalog numbers used are for the purpose of identification and to establish general quality level desired. Such references are not intended to be restrictive and comparable products of other manufacturers will be considered. However, bidders are cautioned that any deviation from specifications must be pointed out in their bid.

**SPECIFICATIONS:** The attached specifications and requirements are drawn around equipment which the State has evaluated and determined that the size, construction, design layout, special features and performance are necessary. Bidders are requested to offer only comparable units which will provide the features and performance needed and implied.

**EXTRA CHARGES NOT ALLOWED:** the bid price shall be for complete installation ready for Owner's use, and shall include all applicable freight and installation charges; extra charges will not be allowed.

**QUALITY ACCEPTANCE INSPECTION:** Upon completion of the project, as called for herein, the contractor must request a Quality Acceptance Inspection. Such requests must be forwarded (in writing) to the Division of Purchase and Contract, Attn: Quality Acceptance Inspections, 1305 Mail Service Center, Raleigh, NC 27699-1305. Fax # (919) 807-4509.

INVOICES WILL NOT BE PAID BY THE USING AGENCY UNTIL QUALITY ACCEPTANCE HAS BEEN ACCOMPLISHED.

**QUESTIONS:** All questions submitted for clarification shall be **VIA EMAIL ONLY** to the name shown on page one of this solicitation. **(NO TELEPHONE CALLS)**. Deadline to submit your questions shall be **Four (4) business days prior to bid opening date**. No Exceptions.

## FURNISH AND DELIVER:

1.	1	Each	80KW Diesel Generator, 1-phase, 240/120 VAC (Option #4) w/integral fuel tank  MFR. <u>Generac</u>  MODEL <u>SD0080AG174.5D18HPYY3</u>	<u>\$19,940.00</u>	<u>\$19,940.00</u>
2.	1	Each	80 KW Dual Multi Fueled generator, 1-phase, 240/120 VAC (Option #5), dual Mode w/primary fuel to be natural gas secondary fuel to be LGP, less fuel tank.  MFR. <u>Generac</u>  MODEL <u>SG0080AG036.8R23HPYYA</u>	<u>\$19,408.00</u>	<u>\$19,408.00</u>
3.	1	Each	40KW diesel generator, single phase, 240/120 VAC (Option #2) w/integral fuel tank.  MFR. <u>Generac</u>  MODEL <u>SD0040-A162.4D18HPYYC</u>	<u>\$18,628.00</u>	<u>\$18,628.00</u>
4.	1	Each	40 KW LPG, single phase 240/120 VAC (Option #3) vapor fueled generator.  MFR. <u>Generac</u>  MODEL <u>SG0040AG034.2V18HPYYA</u>	<u>\$14,597.00</u>	<u>\$14,597.00</u>
5.	1	Each	25 KW diesel generator, single phase 240/120 VAC (Option #1) w/integral fuel tank.  MFR. <u>Generac</u>  MODEL <u>SD0025AG162.4D18HPYY3</u>	<u>\$16,160.00</u>	<u>\$16,160.00</u>
6.	1	Each	400 AMP Automatic Transfer Switch, 3-pole for 1-phase service  MFR. <u>Generac</u>  MODEL <u>GTS040W-3A2LDNAY</u>	<u>\$2,720.00</u>	<u>\$2,720.00</u>
7.	1	Each	200 AMP Automatic Transfer Switch, 3-pole for 1-phase service  MFR. <u>Generac</u>  MODEL <u>GTS020W-2A2LDNAY</u>	<u>\$1,625.00</u>	<u>\$1,625.00</u>

ITEM	QTY	UOM	DESCRIPTION	UNIT COST	TOTAL EXTENSION
8.	1	Each	100 AMP Automatic Transfer Switch, 3-pole for 1-phase service MFR. <u>Generac</u> MODEL <u>GTS010W-3A2LDNAY</u>	\$1,420.00	\$1,420.00
9.	1	Each	400 AMP Manual Transfer Switch for single phase service only MFR. <u>Midwest Electric</u> MODEL <u>GS3262B25UL</u>	\$2,474.00	\$2,474.00
10.	1	Each	200 AMP Manual Transfer Switch for single phase service only MFR. <u>Midwest Electric</u> MODEL <u>GS3262B25UL</u>	\$1,280.00	\$1,280.00
11.	1	Each	ACDATA Series B82XRR surge arrester <b>(Substitution will not be allowed for this item)</b> MFR. <u>ACDATA</u> MODEL <u>Series B82XRR</u>	\$1,085.00	\$1,085.00
12.	1	Each	Appleton COPS receptacle P/N ADJA20044-250 to be used for single phase 200 AMP service only. <b>(Substitution will not be allowed for this item)</b> MFR. <u>Appleton</u> MODEL <u>ADJA20044-250</u>	\$805.00	\$805.00

TOTAL ALL ITEMS \$ \_\_\_\_\_

## Specification for Communications Site Emergency Power Systems

### SCOPE OF WORK

- This IFB addresses the North Carolina State Highway Patrol's needs for acquisition and long term pricing for generator sets (Diesel, Natural Gas/LPG Dual Feed or vapor feed LPG), Automatic Transfer Switches, Manual Transfer Switches, ACDATA Series B82XRR, type 2 surge arrestor and Appleton ADJA20044-250 Critical Operations Power Systems (COPS) receptacles.
- All generators, either Diesel, Natural Gas or LPG fueled, and automatic transfer switches shall all be from the same manufacturer.

The single hardware items will be purchased on an as needed basis. All pricing shall be valid for a period of one (1) year from the date of the issue of the first purchase order issued against this IFB and with an option to renew for two additional annual cycles.

All freight charges are 'FOB Destination'. All transportation and freight costs and any costs associated with cranes and/or rigging to set the equipment are to be prepaid by the bidder and included in the bid price.

### CONTRACTING OFFICER

This work is under contract with the North Carolina Department of Crime Control and Public Safety, Division of State Highway Patrol. After the bid has been awarded, this work will be under the direction of the N C State Highway Patrol Contracting Officer.

The Contracting Officer will be:

Mike Hardy

### PROJECT DESCRIPTION

When Emergency Power System materials are ordered, this 'project' shall consist of furnishing a motor generator (type of fuel to be specified at time of order) and accessories per the specifications that follow in this document.

### SPECIFICATIONS FOR PERMANENTLY INSTALLED EMERGENCY POWER SYSTEM

#### 1. GENERAL

- 1.1 This specification covers both legally required and optional emergency power systems which shall include an engine generator set, an automatic transfer switch, a manual transfer switch, a surge protector and other associated auxiliary and control equipment. The engine generator shall provide emergency back-up power for a location's normal power distribution system during a commercial power outage. Power outage sensing, generator starting, transfer of load, re-transfer to normal power, and engine cool down running time shall all be part of the completely automated system not requiring attended operation.
- 1.2 The generator set shall be standby rated and ordered as one of the following options. Generator unit shall be UL 2200 listed.
  - 1.2.1 Option #1. 25 KW, 240/120 VAC, 1 phase, 60 Hz, Diesel engine
  - 1.2.2 Option #2. 40 KW, 240/120 VAC, 1 phase, 60 Hz, Diesel engine
  - 1.2.3 Option #3. 40 KW, 240/120 VAC, 1 phase, 60 Hz, vapor feed LPG fueled engine
  - 1.2.4 Option #4. 80 KW, 240/120 VAC, 1 phase, 60 Hz, Diesel engine
  - 1.2.5 Option #5. 80 KW, 240/120 VAC, 1 phase, 60 Hz, Dual Mode vapor feed LPG or Natural Gas fuel

- 1.3 Base and Vibration Isolators: The engine-generator assembly shall be securely fastened to a welded steel base which shall allow mounting to a raised concrete pad. Vibration isolators, either integral or external, shall be provided and installed as recommended by the manufacturer.
- 1.4 The generator set shall be mounted on a heavy structural steel base. The steel base shall be capable of being mounted on a raised concrete pad through the use of anchor bolts.
- 1.5 The generator shall be installed in a tamper resistant, weatherproof outdoor enclosure with rodent guards to protect the generator from the environment. The enclosure shall be heavy gauge steel or aluminum construction, gaskets between points of panel contact and with fixed open air louvers, lockable latches, and sufficient side and rear doorways to access components. The enclosure shall be primed and finished painted.
- 1.6 The generator shall have a 2-wire remote starting circuit.

## 2 ENGINE REQUIREMENTS

### 2.1 Engine Specifications

- 2.1.1 The engine shall be a Diesel, Natural Gas/LPG Dual Mode or LPG vapor feed (Fuel option will be specified at time of order), type that has been manufactured and successfully operated in similar service for a period sufficient to thoroughly establish its reliability. The engine shall be of a 4 stroke cycle multi-cylinder design. The engine speed shall not exceed 1800 RPM at normal full load operation when equipped with all necessary operating accessories such as air cleaners, oil pump, water pump, generator, etc.
- 2.1.2 The engine ratings shall not exceed the standby power service rating published by the manufacturer. Engines with ratings not based on these parameters shall be de-rated in accordance with the manufacturer's published de-rating factors. The rating shall meet the following parameters:

Use:	Standby
Altitude:	2000 feet above sea level
Ambient Temp:	105 degrees F, minimum, at the radiator core.
- 2.1.3 In conformance with the requirements of the NFPA 110, *Standard for Emergency and Standby Power Systems*, the engine shall produce sufficient power to pickup 100% of nameplate KW rating in one step, less applicable site condition derating factors.

### 2.2 Starting Battery and Battery Charging

- 2.2.1 The engine shall be equipped with a 12 or 24 volt sealed lead acid (aka, valve regulated lead acid) battery starting system with a minimum starting capacity, at zero degrees Fahrenheit, for 4-15 second cranks followed by a 15 second rest period. The engine batteries shall be lead-acid type with rack mounting and cables. The starting motor shall incorporate a positive engagement drive and shall disengage automatically when the engine starts. The starting system shall incorporate an automatically reset circuit breaker for anti-butt engagement.
- 2.2.2 The generator starter battery shall have a minimum 110 AH rating.
- 2.2.3 An automatic, solid-state, current limiting, float equalizing type battery charger shall be provided to maintain the starter battery at normal capacity and to recharge the battery after cranking. The charger shall be 120 volts input with a minimum 10 Amp recharge current capability and have the following features:
  1. Overload protection
  2. Voltage surge suppressers
  3. DC ammeter
  4. DC voltmeter
  5. Low DC voltage alarm relay, with a minimum continuous output of 5 Amperes DC
  6. Battery charger malfunction alarm contacts

7. UL or other label approved by State of North Carolina

2.2.4 The battery charger shall be independent of the generator control panel, or removal from, as one self contained unit. All metering will be located on the charger.

2.2.5 The charger shall be capable of charging a fully discharged battery without damage to the charger. It shall be capable of returning a fully discharged battery to fully charged condition within 24 hours. The charger shall be UL-labeled with the maximum Amp hour rating that can be recharged in 24 hours.

2.3 Governor

2.3.1 The engine governor shall provide automatic isochronous frequency regulation from a "cold no load" condition to full rated load at normal operating temperature. The steady state operating band shall be within 0.25% of rated voltage.

2.4 Lubricating System

2.4.1 The engine shall have a lubricating oil pump for supplying oil under pressure to main bearings, crank pin bearings, pistons, piston pins, timing gears, camshaft bearings and valve rocker mechanism. Full flow oil filters, conveniently located for servicing, shall be provided. Provide a lube off drain extension and valve terminated on the outside of the generator base.

2.5 Fuel System

2.5.1 Diesel Units: The generator set will include a sub base tank with a capacity to provide a minimum of 80 hours of run time at full load.

2.5.2 Diesel Units: The generator shall be provided with at least a 300 gallon fuel tank. If a tank larger than 300 gallons is required to meet the above 80 hour running time requirement, it must be provided.

2.5.3 Diesel Units: The sub base tank shall be of double wall construction.

2.5.4 Diesel Units: Generator manufacturer shall provide a detailed drawing of the sub base fuel tank.

2.5.5 LPG Units: The generator set will use gaseous feed LPG only.

2.5.6 LPG and Dual Mode Units: Provide all pressure regulators, strainers and control valves.

2.5.7 Dual Mode LPG/natural Gas: The generator's primary source of fuel will be Natural Gas. Natural gas is provided through interruptible commercial service, LPG (Propane) will be the secondary fuel.

2.6 Air Filtration System

2.6.1 The engine shall be provided with one or more dry type air cleaners as recommended by the engine manufacturer.

2.7 Exhaust System

2.7.1 Provide a critical grade silencer to reduce engine exhaust noise to a maximum audio level of 85 dBA measured at a distance of 10 feet from the engine. The silencer, with piping, shall be contained within the weatherproof enclosure. The exhaust silencer outlet shall be terminated with a tailpipe (45 degree cut) or an exhaust elbow and rain cap.

2.8 Engine Block Heater System

2.8.1 An engine mounted, thermostatically controlled, immersion type engine coolant heater shall be provided to ensure a minimum coolant temperature of 120 degrees Fahrenheit. The heater shall be single phase with a 120 VAC rating. A contactor in an appropriately rated NEMA enclosure shall be provided for each heater. The heater(s) shall be disconnected while the engine is running.

## 2.9 Cooling System

- 2.9.1 The engine shall be furnished with a closed recovery cooling system having sufficient capacity for cooling the engine when the generator set is delivering full-rated load at a minimum ambient temperature of 105 degrees Fahrenheit.
- 2.9.2 The engine shall be equipped with a radiator and fan of the type and capacity recommended by the engine manufacturer. It shall also be equipped with an engine driven, centrifugal type water pump and thermostatic valve to maintain the engine at a recommended temperature level. The system shall be filled with the proper water and anti-freeze mixture to protect against freezing and corrosion under the intended operating conditions and environment.
- 2.9.3 Flexible coolant and lubricating oil drain lines, with internal drain valves, shall extend to the exterior of the enclosure.

## 3 GENERATOR REQUIREMENTS

### 3.1 Generator Specifications

- 3.1.1 The generator rating shall be applicable for continuous service in stand-by application.
- 3.1.2 The generator shall incorporate permanent magnet excitation.
- 3.1.3 The generator housing shall have a single ball bearing support for the rotor. The rotor shall be dynamically balanced up to 25% over speed.
- 3.1.4 The generator shall have Class H insulation as recognized by NEMA. The field shall be equipped with full amortisseur windings.
- 3.1.5 The voltage regulator shall be of the solid state design and provide volts-per-hertz operation. It shall be mounted on top or side of the generator and enclosed in a "NEMA RATED" enclosure. A built-in voltage adjusting rheostat shall provide 10% voltage adjustment.

### 3.2 Generator Set Main Circuit Breaker(s)

- 3.2.1 Circuit breaker(s) shall be of the molded case design, thermal magnetic type in a suitable enclosure for over current protection of generator output conductors.
- 3.2.2 The circuit breaker(s) shall be listed and labeled by an independent testing agency approved by the State of North Carolina and provide thermal protection for the generator.

### 3.3 Generator Performance

- 3.3.1 The voltage regulation from no load to rated load shall be within a 2% band of rated voltage. Steady state voltage modulation shall not exceed one cycle per second.
- 3.3.2 For any addition of load up to and including 90% of rated load, the voltage shall recover to and remain within the steady band in not more than 1.5 seconds. The voltage dip shall not exceed 20% of the rated voltage at any time.
- 3.3.3 The frequency regulation from no load to rated load shall conform to the engine governor performance. For any addition of load up to 90% of rated load, the frequency shall recover to the steady state frequency within 5 seconds.
- 3.3.4 The generator, by inherent design, shall be capable of sustaining a minimum of 250% of rated current for a minimum of 10 seconds under a three phase symmetrical short circuit fault. A resettable 3 phase line current sensing circuit breaker with inverse time verses current response, set to open after a 10 second fault condition, shall be furnished.

## 3.4 Control Panel

3.4.1 Generator Metering: Line voltage, line current, frequency, power factor and kilowatt (KW) shall display values for all phases.

3.4.2 Analog panel meters are preferred.

3.4.3 The control panel shall be mounted on the generator by the use of vibration isolators in an appropriately rated NEMA enclosure. In addition to the control panel, the generator set shall be furnished with all necessary devices (switches, sensors, etc.) and wiring harnesses as required to provide a fully functional control system as specified herein. The control panel shall contain, as a minimum, the following:

1. Frequency meter, 2% full scale accuracy
2. AC voltmeter, 2% full scale accuracy
3. AC ammeter, 2% full scale accuracy
4. Combination voltmeter/ ammeter phase selector switch (if using analog metering)
5. DC voltmeter
6. Oil pressure gauge
7. Water temperature gauge
8. Elapsed engine running time meter, mechanical (Hobbs meter)
9. Voltage adjustment rheostat
10. Circuit protection for DC circuitry
11. Panel illumination lights
12. Solid state starting, alarm and shutdown controls
13. Test switch/button for indicator lights as applicable
14. "Run-Off/Reset-Auto" mode selector switch
15. Mushroom type emergency stop push button
16. Run relay auxiliary contacts
17. Common shutdown relay contacts
18. Alarm horn with silencing switch
19. Engine cool-down timer (may be installed in the generator control panel or the automatic transfer switch.)
20. Over-voltage shutdown control circuitry
21. Indicators for shutdown conditions:
  - (a) High water temperature / low coolant level
  - (b) Low oil pressure
  - (c) Over speed
  - (d) Over crank
23. Indicators for status/alarm conditions:
  - (a) System ready
  - (b) Selector switch "Not In Auto Position"
  - (c) Pre-alarm high water temperature
  - (d) Pre-alarm low oil pressure
  - (e) Low water temperature
  - (f) Low battery voltage
  - (g) Battery charger malfunction

3.4.4 Control Panel Reset Switch: Unit shall have a reset switch that is used to clear unit faults and allow restarting the generator set after a fault condition shut down.

## 4 AUTOMATIC TRANSFER SWITCH (ATS)

4.1 The ATS shall conform to the requirements of UL1008, *Standard for Automatic Transfer Switches*.

4.2 The transfer switch shall be of 3-pole construction and shall be rated for continuous duty at 120/240 VAC. Switch capacity will be specified to match generator size at time of order.

4.3 The remote generator start circuit shall be 2-wire.

- 4.4 The ATS transfer time shall not exceed one-sixth (1/6) second.
- 4.5 Sequence of Operation
- 4.5.1 An engine starting contact shall be provided to start the generating plant if any phase of the normal source drops below a range of 70-95 % of rated voltage (factory set at 85%) after an adjustable time delay period of 0.5 to 6 seconds (factory set at 3 seconds) to allow for momentary dips. The transfer switch shall transfer to emergency as soon as the generator voltage has reached a range of 75-100% of rated voltage (factory set at 90%) and generator rated frequency of 85-100% (factory set at 90%).
- 4.5.2 After restoration of normal power on all phases to 90% of rated voltage an adjustable time delay period of 0-30 minutes (factory set at 5 minutes) shall delay re-transfer to normal power until it has stabilized. If the emergency power source should fail during the time delay period, the time delay shall be by-passed and the switch shall return, immediately, to the normal source.
- 4.5.3 After the switch has transferred to normal, the engine generator shall be allowed to operate at no load for 5 minutes to allow it to cool before shutdown. The engine cool-down timer may be installed in the generator control panel.
- 4.6 ATS Components
- 4.6.1 The control module shall direct the operation of the transfer switch. The module's sensing and logic shall be microprocessor-based. The control settings shall be stored in nonvolatile memory.
- 4.6.2 The ATS must contain a test switch or push button to simulate normal power failure.
- 4.6.3 The ATS must contain a generator exercising timer with load/no load selector switch.
- 4.6.4 The normal and emergency contacts shall be positively interlocked, mechanically and electrically, to prevent simultaneous closing. The main contacts shall be mechanically locked into position for both the normal and emergency positions without the use of hooks, latches, magnets or springs.
- 4.6.5 In-phase monitoring shall continuously monitor the contactor transfer times, source voltage, frequency and phase angle to provide a self adjusting, zero crossing contactor transfer signal.
- 4.6.6 The following status Indications will be available through the use of a single digital display or the use of individual light-emitting diodes (LED's) or lamps:
1. Contactor Position
    - a. Normal (Utility)
    - b. Emergency (Generator)
  2. Generator Operation
  3. In Phase Monitor Active
- 4.6.7 A test push button shall light all light-emitting elements.
- 4.6.8 Auxiliary contacts shall be furnished for the following:
1. Contactor in normal positions.
  2. Contactor in emergency position.
- 4.7 ATS Construction
- 4.7.1 The transfer switch shall be rigidly constructed to close into and withstand the bolted fault current available at the switch. It shall be housed in an enclosure meeting the minimum standards of NEMA 1 for indoor applications and NEMA 3R for outdoor applications.

- 4.7.2 All transfer switch coils, springs, and control elements shall be easy to inspect and conveniently removable from the front of the transfer switch without major disassembly or disconnection of power conductors.
- 4.7.3 All transfer switch feeder lugs, relays, timers, control wiring and accessories to be front accessible.
- 4.7.4 The ATS control module and transfer switch shall be physically separated.
- 4.7.5 The ATS main contacts shall be of silver alloy composition.

5 MANUAL TRANSFER SWITCH (MTS)

- 5.1 One (1) appropriately rated Standby Generator Manual Transfer Switch (MTS) to be installed with a surface mount NEMA-1 enclosure. The NEMA -1 enclosure shall have a maximum depth of twelve (12) inches. Switch capacity will be specified to match generator size at time of order.
- 5.2 The surface mounted MTS shall be a three (3) pole device utilizing 3-conductors; 2-power conductors, 1-neutral conductor.
- 5.3 The MTS shall have a grounding bar installed on its internal surface.

6 CRITICAL OPERATIONS POWER SYSTEMS CONNECTOR (COPS)

- 6.1 COPS Connect is required at each site for connecting an additional generator to the shelter's electrical system. Contractor is asked to be a source of supply for this item.
- 6.2 The COPS connector will be an **Appleton** part number **ADJA20044-250** device with 4-contacts; 2-power, 1-neutral and 1-ground.

7 CONTRACTOR TESTING (UNIT START-UP)

- 7.1 The generator-system start up shall be performed as required by the manufacturer after the unit has been installed at location. Start up scheduling will be arranged by the site supervisor or technician. at a final site destination by a Factory Trained Representative. The start-up activity shall be arranged by purchasing agency after unit installation.
- 7.2 Prior to acceptance of the generator system, the generator shall be subjected to a minimum 1 hour test. This test shall be performed at the job site in the presence of a Highway Patrol representative. It shall include test under existing load conditions. The capability of the system to pick up full standby service load within 10 seconds of power outage shall also be demonstrated.
- 7.3 The owner shall be totally satisfied with the operation of the emergency generator as an integral part of the overall emergency system prior to final acceptance. Written certification of performance for the engine by the engine generator manufacturer shall be supplied to the owner prior to final acceptance.

8 DOCUMENTATION AND TRAINING

- 8.1 Documentation
  - 8.1.1 Prior to final acceptance, the manufacturer shall supply three (3) copies of complete instruction manuals for each generator and ATS ordered to the owner. The manuals shall include operation and maintenance procedures, complete parts lists, dimensional drawings, and the unit's wiring diagrams and schematics. , and interconnection wiring drawings.
  - 8.1.2 Contractor shall arrange for, one time only, intermediate level maintenance training for both the generator and ATS at a selected instate location.
  - 8.1.3 Contractor shall provide copies of any software required for the proper maintenance and monitoring of the emergency generator system.

8.1.4 Contractor shall provide a set of maintenance manuals as described in section 8.1.1 on CD.

## 9 WARRANTY

- 9.1 The emergency generator, transfer switch and associated equipment shall be warranted by the manufacturer for a period of **five (5) years**, from the date of final inspection and Acceptance. The warranty shall include all parts, labor (including travel), expenses and equipment necessary to perform replacement and/or repairs.
- 9.2 The generators will supply back up power for very CRITICAL COMMUNICATIONS. Generator vendor must agree to dispatch repair service for a failed generator or ATS within 72 hours of notification if a failure occurs during the warranty period.

## 10 DELIVERY

Delivery would be expected within 120 days and installation expected in 150 days from date of issue of a Purchase Order. All freight, offloading, and inside delivery charges for all equipment are to be included in the bid.

**Materials and equipment shall be delivered to the North Carolina State Highway Patrol Warehouse at 1400 Transport Dr., Raleigh, NC 27603.**

**INSTRUCTIONS TO BIDDERS**INTERNET ADDRESS – <http://www.pandc.nc.gov/>

1. **READ, REVIEW AND COMPLY:** It shall be the bidder's responsibility to read this entire document, review all enclosures and attachments, and comply with all requirements specified herein.
2. **NOTICE TO BIDDERS:** All bids are subject to the provisions of the Instructions to Bidders, special terms and conditions specific to this invitation for Bids, the specifications, and the North Carolina General Contract Terms and Conditions. The State objects to and will not evaluate or consider any additional terms and conditions submitted with a bidder response. This applies to any language appearing in or attached to the document as part of the bidder's response. **DO NOT ATTACH ANY ADDITIONAL TERMS AND CONDITIONS.**  
By execution and delivery of this document, the bidder agrees that any additional terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect.
3. **DEFINITIONS:**
  - **BIDDER:** Company, firm, corporation, partnership, individual, etc., submitting a response to an Invitation for Bids.
  - **TERM CONTRACT:** A contract generally intended to cover all normal requirements for a commodity for a specified period of time based on estimated quantities only.
  - **STATEWIDE TERM CONTRACT:** A Term Contract for all agencies, unless exempted by statute, rule, or special term and condition specific to this bid.
  - **AGENCY SPECIFIC TERM CONTRACT:** A Term Contract for a specific agency.
  - **OPEN MARKET CONTRACT:** A contract for the purchase of a commodity not covered by a term contract.
4. **EXECUTION:** Failure to sign under EXECUTION section will render bid invalid.
5. **ORDER OF PRECEDENCE:** In cases of conflict between specific provisions in this bid, the order of precedence shall be (1) special terms and conditions specific to this bid, (2) specifications, (3) North Carolina General Contract Terms and Conditions, and (4) Instructions to Bidders.
6. **TIME FOR CONSIDERATION:** Unless otherwise indicated on the first page of this document, bidder's offer shall be valid for 45 days from the date of bid opening. Preference may be given to bids allowing not less than 45 days for consideration and acceptance.
7. **PROMPT PAYMENT DISCOUNTS:** Bidders are urged to compute all discounts into the price offered. If a prompt payment discount is offered, it will not be considered in the award of the contract except as a factor to aid in resolving cases of identical prices.
8. **SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and bidder will be held responsible therefore. Deviations shall be explained in detail. **The bidder shall not construe this paragraph as inviting deviation or implying that any deviation will be acceptable.**
9. **INFORMATION AND DESCRIPTIVE LITERATURE:** Bidder is to furnish all information requested and in the spaces provided in this document. Further, if required elsewhere in this bid, each bidder must submit with their bid sketches, descriptive literature and/or complete specifications covering the products offered. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements will be subject to rejection.
10. **RECYCLING AND SOURCE REDUCTION:** It is the policy of this State to encourage and promote the purchase of products with recycled content to the extent economically practicable, and to purchase items which are reusable, refillable, repairable, more durable, and less toxic to the extent that the purchase or use is practicable and cost-effective. We also encourage and promote using minimal packaging and the use of recycled/recyclable products in the packaging of commodities purchased. However, no sacrifice in quality of packaging will be acceptable. The company remains responsible for providing packaging that will protect the commodity and contain it for its intended use. Companies are strongly urged to bring to the attention of purchasers those products or packaging they offer which have recycled content and that are recyclable.
11. **CLARIFICATIONS/INTERPRETATIONS:** Any and all questions regarding this document must be addressed to the purchaser named on the cover sheet of this document. Do not contact the user directly. Any and all revisions to this document shall be made only by written addendum from the Division of Purchase and Contract. The bidder is cautioned that the requirements of this bid can be altered only by written addendum and that verbal communications from whatever source are of no effect.
12. **ACCEPTANCE AND REJECTION:** The State reserves the right to reject any and all bids, to waive any informality in bids and, unless otherwise specified by the bidder, to accept any item in the bid. If either a unit price or extended price is obviously in error and the other is obviously correct, the incorrect price will be disregarded.
13. **REFERENCES:** The State reserves the right to require a list of users of the exact item offered. The State may contact these users to determine acceptability of the bid. Such information may be considered in the evaluation of the bid.

## 14. TAXES:

- **FEDERAL:** All agencies participating in this contract are exempt from Federal Taxes, such as excise and transportation. Exemption forms submitted by the contractor will be executed and returned by the using agency.
- **OTHER:** Prices offered are not to include any personal property taxes, nor any sales or use tax (or fees) unless required by the North Carolina Department of Revenue.

15. **AWARD OF CONTRACT:** As directed by statute, qualified bids will be evaluated and acceptance may be made of the lowest and best bid most advantageous to the State as determined upon consideration of such factors as: prices offered; the quality of the articles offered; the general reputation and performance capabilities of the bidders; the substantial conformity with the specifications and other conditions set forth in the bid; the suitability of the articles for the intended use; the related services needed; the date or dates of delivery and performance; and such other factors deemed by the State to be pertinent or peculiar to the purchase in question. After the foregoing evaluation, the bids will be reviewed to determine if there are any North Carolina resident bidders that submitted responsive bids and requested the price-matching preference pursuant to Executive Order #50 and G.S. § 143-59. If such bidders are found, the evaluators and/or purchaser will then determine whether any of the North Carolina resident bidders qualify for this preference and, if so, make the contract award pursuant to Paragraph 23 below.

Unless otherwise specified by the State or the bidder, the State reserves the right to accept any item or group of items on a multi-item bid.

In addition, on TERM CONTRACTS, the State reserves the right to make partial, progressive or multiple awards: where it is advantageous to award separately by items; or where more than one supplier is needed to provide the contemplated requirements as to quantity, quality, delivery, service, geographical areas; other factors deemed by the State to be pertinent or peculiar to the purchase in question.

16. **HISTORICALLY UNDERUTILIZED BUSINESSES:** Pursuant to General Statute 143-48 and Executive Order #150, the State invites and encourages participation in this procurement process by businesses owned by minorities, women, disabled, disabled business enterprises and non-profit work centers for the blind and severely disabled.
17. **CONFIDENTIAL INFORMATION:** As provided by statute and rule, the Division of Purchase and Contract will consider keeping trade secrets which the bidder does not wish disclosed confidential. Each page shall be identified in boldface at the top and bottom as "CONFIDENTIAL" by the bidder. Cost information shall not be deemed confidential. In spite of what is labeled as a trade secret, the determination whether it is or not will be determined by North Carolina law.
18. **SAMPLES:** Sample of items, when required, must be furnished as stipulated herein, free of expense, and if not destroyed will, upon request be returned at the bidder's expense. Request for the return of samples must be made within 10 days following date of bid opening. Otherwise the samples will become State property. Each individual sample must be labeled with the bidder's name, bid number, and item number. A sample on which an award is made, will be retained until the contract is completed, and then returned, if requested, as specified above.
19. **PROTEST PROCEDURES:** When a bidder wants to protest a contract awarded by the Secretary of Administration or by an agency over \$25,000 resulting from this solicitation, they must submit a written request to the State Purchasing Officer at Purchase and Contract, 1305 Mail Service Center, Raleigh, NC 27699-1305. This request must be received in the Division of Purchase and Contract within thirty (30) consecutive calendar days from the date of the contract award. When a bidder wants to protest a contract awarded by an agency or university resulting from this solicitation that is over \$10,000 but less than \$25,000 for any agency, or any contract awarded by a university, they must submit a written request to the issuing procurement officer at the address of the issuing agency. This request must be received in that office within thirty (30) consecutive calendar days from the date of the contract award. Protest letters must contain specific reasons and any supporting documentation for the protest. Note: Contract award notices are sent only to those actually awarded contracts, and not to every person or firm responding to this solicitation. Bid status and Award notices are posted on the Internet at <http://www.pandc.nc.gov/>. All protests will be handled pursuant to the North Carolina Administrative Code, Title 1, Department of Administration, Chapter 5, Purchase and Contract, Section 5B.1519. (See Protest Information at <http://www.pandc.nc.gov/protests.pdf> for more information.)

If a ground of a protest is based on a challenge to the qualification of a North Carolina resident bidder awarded a contract pursuant to Executive Order #50 (price-matching preference), the State Purchasing Officer or procurement officer may request the North Carolina resident bidder to produce documentation substantiating the North Carolina resident bidder's qualification for the subject preference. The State Purchasing Officer or procurement officer should request the supporting documentation within the 10-day period he or she has to make the decision on whether to deny or grant a protest meeting and the protest meeting should be scheduled after the anticipated receipt of the documents from the North Carolina resident bidder. Pursuant to Paragraph 23 below, the North Carolina resident bidder is required to produce to the State the requested documentation within five (5) business days of the State's request and failure to produce the documents by the end of that time period may result in the cancellation of the contract. Also note that any tax, financial, accounting or banking documents the North Carolina resident bidder submits to the State in connection with the resolution of a protest shall not be disclosed to the protester pursuant to G.S. §§ 132-1.1 and 105-259(b) and the State shall preserve the confidentiality of such documents.

20. **MISCELLANEOUS:** Masculine pronouns shall be read to include feminine pronouns, and the singular of any word or phrase shall be read to include the plural and vice versa.

21. **RECIPROCAL PREFERENCE:** G.S. 143-59 establishes a reciprocal preference law to discourage other states from applying in-state preferences against North Carolina's resident bidders. The "Principal Place of Business" is defined as the principal place from which the trade or business of the bidder is directed or managed.
22. **CONFIDENTIALITY OF BIDS:** In submitting its bid, the bidder agrees not to discuss or otherwise reveal the contents of its bid to any source outside of the using or issuing agency, government or private, until after the award of the contract. All bidders are advised that they are not to have any communications with the using or issuing agency during the evaluation of the bids (i.e., after the public opening of the bids and before the award of the contract), unless the State's purchaser contacts the bidder(s) for purposes of seeking clarification. A bidder shall not: transmit to the issuing and/or using agency any information commenting on the ability or qualifications of any other bidder to provide the advertised good, equipment, commodity; defects, errors and/or omissions in any other bidder's bid and/or prices at any time during the procurement process; and/or engage in any other communication or conduct attempting to influence the evaluation and/or award of the contract that is the subject of this IFB. Bidders not in compliance with this provision may be disqualified, at the option of the State, from the contract award. Only those communications with the using agency or issuing agency authorized by this IFB are permitted.
23. **EXECUTIVE ORDER #50-PRICE-MATCHING PREFERENCE:** Pursuant to North Carolina General Statute § 143-59 (G.S. § 143-59) and Executive Order No. 50 issued by Governor Perdue on February 17, 2010, entitled "Enhanced Purchasing Opportunities for North Carolina Businesses," a price-matching preference may be given to North Carolina resident bidders on contracts for the purchase of goods. This preference will allow a qualified North Carolina resident bidder to match the price of the lowest responsible nonresident bidder, if the North Carolina resident bidder's price is within five percent (5%) or \$10,000, whichever is less, of the non-resident bidder's price. G.S. § 143-59(c) (1) defines a "resident bidder" as a "bidder that has paid unemployment taxes or income taxes in this State and whose principal place of business is located in this State. G.S. § 143-59(c)(2) defines a nonresident bidder as a bidder that does not meet the definition in G.S. § 143-59(c)(1). G.S. § 143-59(c)(3) defines a "principal place of business" as the "principal place from which the trade or business of the bidder is directed or managed."

In order to qualify for this preference, a resident bidder must: (1) request the preference; and (2) complete "Resident Bidder's Certification for Price-Matching Preference under Executive Order #50" (hereinafter the "Certification") included at the end of this solicitation. The Certification may not be submitted after the public opening of the bids. By executing the Certification, the bidder agrees to provide any additional information or documentation requested by the State to confirm the above certifications and statements within five (5) business days of request (including tax filings, banking statements, financial and accounting statements reflecting Bidder's payment of the subject taxes and such other information regarding bidder's management or directors of its business or trade of its principal place of business).

The State will evaluate the bids in accordance with the award criteria stated in this IFB to determine the lowest responsible bidder. If the lowest responsible bidder is a North Carolina resident bidder, then there will be no consideration of the price-matching preference. If the lowest responsible bid was submitted by nonresident bidder and there are no North Carolina resident bidders that submitted a bid price that was within 5% or \$10,000 of the nonresident bidder's price, then none of the North Carolina resident bidders qualified for the price-matching preference and no review of the Resident Bidder's Certifications is required.

If the lowest responsible bid was submitted by nonresident bidder and there are one or more North Carolina resident bidders that submitted a bid price that was within 5% or \$10,000 of the nonresident bidder's price, then the evaluators shall review the Certification(s) of the resident bidder(s) to determine whether the resident bidders have certified compliance with G.S. § 143-59(c)(1), (3) and the information and documentation provided in or with the Certification supports the resident bidder(s) certifications. The evaluators may seek clarification of the certifications and/or information in a resident bidder's Certification and request documentation (including but not limited to income tax or unemployment tax returns, reports and/or filing (annual and/or quarterly); banking statements or financial/accounting statements reflecting bidder's payment of income taxes or unemployment taxes to the State of North Carolina and such other information regarding bidder's management or directors of its business or trade of its principal place of business.). If the resident bidder's Certification for the price-matching is challenged in a bid protest, the resident bidder shall provide the foregoing information and/or documents to the State within five (5) business days of receiving a request from the State for such information and/or documentation. Pursuant to G.S. §§ 132-1.1, 105-259(b) and Paragraph 17 of the Instructions to Bidders, the State is prohibited from making public disclosures of the bidder's tax information and documents (except if one of the 39 exceptions applies in G.S. § 105-259(b)) and the State shall preserve the confidentiality of the tax information and/or documents received in response to a request for clarification (or, as discussed below, to resolve a bid protest challenging resident bidder's qualification for the price-matching preference). In order to further preserve the confidentiality of bidder's tax information and documentation provided the State, the bidder shall comply with Paragraph 17 of the Instructions to Bidders and mark "CONFIDENTIAL" at the top and bottom of each page of the information and documentation. After review of the Certification(s) and any clarification, the evaluators shall include in their recommendation for award a finding that the North Carolina resident bidder(s) was or was not qualified for the price-matching preference.

If more than one North Carolina resident bidder qualified for the price-matching preference, then the evaluators, purchaser, or procurement specialist shall prioritize the qualified North Carolina resident bidders according to their original bid prices, from lowest to highest, so that qualified North Carolina resident bidder that submitted the lowest bid should get the first opportunity to match the bid price of the nonresident lowest responsible bidder. If the lowest responsible and qualified North Carolina resident bidder declines to accept contract award, then the contract should be offered to the next lowest qualified North Carolina resident bidder and to continue in this manner until either a qualified North Carolina resident bidder accepts to contract award or the award is made to nonresident bidder if no qualified North Carolina resident bidder accepted the award. If two responsible North Carolina

resident bidders qualify for the price-matching preference, both had the same bid price, then the evaluators, purchaser or procurement specialist may: (1) consider the information provided in these bidders' Certifications or publicly available information to determine which bidder the contract award would have a greater impact of stimulating or sustaining the North Carolina economy and/or is most likely to create or save jobs (e.g., if the choice is between a resident broker and a resident manufacturer of the subject goods, then the contract should be awarded to the resident manufacturer); (2) consider the unemployment rate in the municipality or county where each bidder's principal place of business is located; or (3) seek clarification from the bidders to ascertain the impact on their respective businesses if offered the award of the contract.

If the resident bidder requests and qualifies for the price-matching preference, the resident bidder will first be offered the contract award and it will have three (3) business days to accept or decline the award based on the lowest responsible nonresident bidder's price

If at any time during or after the procurement process (including but not limited to clarifications and resolution of bid protests), the State determines that: the certifications or information in the Certification were false, substantially inaccurate, materially misleading; or the Bidder failed to provide, within the specified time period, the information and documentation the State requested, then the State may:

- (1) Cancel the resident bidder's contract and/or purchase order that was awarded based on the price-matching preference and resident bidder shall be liable for all its cost it incurs as a result of the cancellation and all increased costs of the State may incur by awarding the contract to the next lowest bidder;
- (2) Bidder will not be entitled to any price-matching preference in any future State bidding opportunities;
- (3) Action may be taken against the contractor under the False Claims Act, G.S. § 1-605 through 1-617, inclusive, for submitting a false Certification for the price-matching preference under Executive Order #50 (including but not limited to treble damages and civil penalties); and/or
- (4) Debar Bidder from doing business with the State of North Carolina for a period determined by the State Purchasing Officer and/or Board of Award.

**NORTH CAROLINA GENERAL CONTRACT TERMS AND CONDITIONS**

INTERNET ADDRESS – <http://www.pandc.nc.gov/>

- 1. **DEFAULT AND PERFORMANCE BOND:** In case of default by the contractor, the State may procure the articles or services from other sources and hold the contractor responsible for any excess cost occasioned thereby. The State reserves the right to require performance bond or other acceptable alternative guarantees from successful bidder without expense to the State.

**The contractor shall be in default, if its Certification submitted for a price-matching preference under Executive Order #50 and G.S. § 143-59 was false and/or contained materially misleading or inaccurate information, and/or contractor failed to provide information and documentation requested by the State to substantiate contractor's Certification.**

In addition, in the event of default by the Contractor under this contract, the State may immediately cease doing business with the Contractor, immediately terminate for cause all existing contracts the State has with the Contractor, and de-bar the Contractor from doing future business with the State. The State may take action against the contractor under the False Claims Act, G.S. § 1-605 through 1-617, inclusive, for submitting a false Certification for the price-matching preference under Executive Order #50 (including but not limited to treble damages and civil penalties).

Upon the Contractor filing a petition for bankruptcy or the entering of a judgment of bankruptcy by or against the Contractor, the State may immediately terminate, for cause, this contract and all other existing contracts the Contractor has with the State, and de-bar the Contractor from doing future business with the State.

- 2. **GOVERNMENTAL RESTRICTIONS:** In the event any Governmental restrictions are imposed which necessitate alteration of the material, quality, workmanship or performance of the items offered prior to their delivery, it shall be the responsibility of the contractor to notify, in writing, the issuing purchasing office at once, indicating the specific regulation which required such alterations. The State reserves the right to accept any such alterations, including any price adjustments occasioned thereby, or to cancel the contract.
- 3. **AVAILABILITY OF FUNDS:** Any and all payments to the contractor are dependent upon and subject to the availability of funds to the agency for the purpose set forth in this agreement.
- 4. **TAXES:** Any applicable taxes shall be invoiced as a separate item.

G.S. 143-59.1 bars the Secretary of Administration from entering into contracts with vendors if the vendor or its affiliates meet one of the conditions of G. S. 105-164.8(b) and refuse to collect use tax on sales of tangible personal property to purchasers in North Carolina. Conditions under G. S. 105-164.8(b) include: (1) Maintenance of a retail establishment or office, (2) Presence of representatives in the State that solicit sales or transact business on behalf of the vendor and (3) Systematic exploitation of the market by media-assisted, media-facilitated, or media-solicited means. By execution of the bid document the vendor certifies that it and all of its affiliates, (if it has affiliates), collect(s) the appropriate taxes.

- 5. **SITUS:** The place of this contract, its situs and forum, shall be North Carolina, where all matters, whether sounding in contract or tort, relating to its validity, construction, interpretation and enforcement shall be determined.
- 6. **GOVERNING LAWS:** This contract is made under and shall be governed and construed in accordance with the laws of the State of North Carolina.
- 7. **INSPECTION AT CONTRACTOR'S SITE:** The State reserves the right to inspect, at a reasonable time, the equipment/item, plant or other facilities of a prospective contractor prior to contract award, and during the contract term as necessary for the State's determination that such equipment/item, plant or other facilities conform with the specifications/requirements and are adequate and suitable for the proper and effective performance of the contract.
- 8. **PAYMENT TERMS:** Payment terms are Net not later than 30 days after receipt of correct invoice or acceptance of goods, whichever is later. The using agency is responsible for all payments to the contractor under the contract. Payment by some agencies may be made by procurement card and it shall be accepted by the contractor for payment if the contractor accepts that card (Visa, Mastercard, etc.) from other customers. If payment is made by procurement card, then payment may be processed immediately by the contractor.
- 9. **AFFIRMATIVE ACTION:** The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of people with disabilities, and concerning the treatment of all employees without regard to discrimination by reason of race, color, religion, sex, national origin or disability.
- 10. **CONDITION AND PACKAGING:** Unless otherwise provided by special terms and conditions or specifications, it is understood and agreed that any item offered or shipped has not been sold or used for any purpose and shall be in first class condition. All containers/packaging shall be suitable for handling, storage or shipment.
- 11. **STANDARDS:** All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or

identification marking of the appropriate safety standard organization; such as the American Society of Mechanical Engineers for pressure vessels; the Underwriters Laboratories and /or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type of device offered and furnished. Further, all items furnished shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

12. **PATENT:** The contractor shall hold and save the State, its officers, agents and employees, harmless from liability of any kind, including costs and expenses, on account of any copyrighted material, patented or unpatented invention, articles, device or appliance manufactured or used in the performance of this contract, including use by the government.
13. **ADVERTISING:** Contractor agrees not to use the existence of this contract or the name of the State of North Carolina as part of any commercial advertising.
14. **ACCESS TO PERSONS AND RECORDS:** The State Auditor shall have access to persons and records as a result of all contracts or grants entered into by State agencies or political subdivisions in accordance with General Statute 147-64.7.
15. **ASSIGNMENT:** No assignment of the contractor's obligations nor the contractor's right to receive payment hereunder shall be permitted.  
However, upon written request approved by the issuing purchasing authority and solely as a convenience to the contractor, the State may:
  - a. Forward the contractor's payment check directly to any person or entity designated by the contractor, and
  - b. Include any person or entity designated by contractor as a joint payee on the contractor's payment check.In no event shall such approval and action obligate the State to anyone other than the contractor and the contractor shall remain responsible for fulfillment of all contract obligations.
16. **INSURANCE:**  
**COVERAGE** - During the term of the contract, the contractor at its sole cost and expense shall provide commercial insurance of such type and with such terms and limits as may be reasonably associated with the contract. As a minimum, the contractor shall provide and maintain the following coverage and limits:
  - a. **Worker's Compensation** - The contractor shall provide and maintain Worker's Compensation Insurance, as required by the laws of North Carolina, as well as employer's liability coverage with minimum limits of \$150,000.00, covering all of contractor's employees who are engaged in any work under the contract. If any work is sublet, the contractor shall require the subcontractor to provide the same coverage for any of his employees engaged in any work under the contract.
  - b. **Commercial General Liability** - General Liability Coverage on a Comprehensive Broad Form on an occurrence basis in the minimum amount of \$500,000.00 Combined Single Limit. (Defense cost shall be in excess of the limit of liability.)
  - c. **Automobile** - Automobile Liability Insurance, to include liability coverage, covering all owned, hired and non-owned vehicles, used in connection with the contract. The minimum combined single limit shall be \$150,000.00 bodily injury and property damage; \$150,000.00 uninsured/under insured motorist; and \$1,000.00 medical payment.**REQUIREMENTS:** Providing and maintaining adequate insurance coverage is a material obligation of the contractor and is of the essence of this contract. All such insurance shall meet all laws of the State of North Carolina. Such insurance coverage shall be obtained from companies that are authorized to provide such coverage and that are authorized by the Commissioner of Insurance to do business in North Carolina. The contractor shall at all times comply with the terms of such insurance policies, and all requirements of the insurer under any such insurance policies, except as they may conflict with existing North Carolina laws or this contract. The limits of coverage under each insurance policy maintained by the contractor shall not be interpreted as limiting the contractor's liability and obligations under the contract.
17. **YEAR 2000 COMPLIANCE/WARRANTY:** Vendor shall ensure the product(s) and service(s) furnished pursuant to this agreement ("product" shall include, without limitation, any piece of equipment, hardware, firmware, middleware, custom or commercial software, or internal components, subroutines, and interfaces therein) which perform any date and/or time data recognition function, calculation, or sequencing, will support a four digit year format, and will provide accurate date/time data and leap year calculations on and after December 31, 1999, at the same level of functionality for which originally acquired without additional cost to the user. This warranty shall survive termination or expiration of the agreement.
18. **GENERAL INDEMNITY:** The contractor shall hold and save the State, its officers, agents, and employees, harmless from liability of any kind, including all claims and losses accruing or resulting to any other person, firm, or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this contract, and from any and all claims and losses accruing or resulting to any person, firm, or corporation that may be injured or damaged by the contractor in the performance of this contract and that are attributable to the negligence or intentionally tortious acts of the contractor provided that the contractor is notified in writing within 30 days that the State has knowledge of such claims. The contractor represents and warrants that it shall make no claim of any kind or nature against the State's agents who are involved in the delivery or processing of contractor goods to the State. The representation and warranty in the preceding sentence shall survive the termination or expiration of this contract.
19. **ELECTRONIC PROCUREMENT (APPLIES TO ALL CONTRACTS THAT INCLUDE E-PROCUREMENT AND ARE IDENTIFIED AS SUCH IN THE BODY OF THE SOLICITATION DOCUMENT):** Purchasing shall be conducted through the Statewide E-Procurement Service. The State's third party agent shall serve as the Supplier Manager for this E-Procurement Service. The contractor shall register for the Statewide E-Procurement Service within two (2) business days of notification of award in order to receive an electronic purchase order resulting from award of this contract.

**THE SUCCESSFUL BIDDER(S) SHALL PAY A TRANSACTION FEE OF 1.75% (.0175) ON THE TOTAL DOLLAR AMOUNT (EXCLUDING SALES TAXES) OF EACH PURCHASE ORDER ISSUED THROUGH THE STATEWIDE E-PROCUREMENT SERVICE**

This applies to all purchase orders, regardless of the quantity or dollar amount of the purchase order. The transaction fee shall not be stated or included as a separate item on the invoice. There are no additional fees or charges to the contractor for the services rendered by the Supplier Manager under this contract. Contractor will receive a credit for transaction fees they paid for the purchase of any item(s) if an item(s) is returned through no fault of the contractor. Transaction fees are non-refundable when an item is rejected and returned, or declined, due to the contractor's failure to perform or comply with specifications or requirements of the contract.

Contractor or its Authorized Reseller, as applicable, will be invoiced monthly for the State's transaction fee by the Supplier Manager. The transaction fee shall be based on purchase orders issued for the prior month. Unless Supplier Manager receives written notice from the Contractor identifying with specificity any errors in an invoice within thirty (30) days of the receipt of invoice, such invoice shall be deemed to be correct and Contractor shall have waived its right to later dispute the accuracy and completeness of the invoice. Payment of the transaction fee by the Contractor is due to the account designated by the State within thirty (30) days after receipt of the correct invoice for the transaction fee, which includes payment of all portions of an invoice not in dispute. Within thirty (30) days of the receipt of invoice, contractor may request in writing an extension of the invoice payment due date for that portion of the transaction fee invoice for which payment of the related goods by the governmental purchasing entity has not been received by the Contractor. If payment of the transaction fee is not received by the State within this payment period, it shall be considered a material breach of contract. The Supplier Manager shall provide, whenever reasonably requested by the contractor in writing (including electronic documents), supporting documentation from the E-Procurement Service that accounts for the amount of the invoice.

The Supplier Manager will capture the order from the State approved user, including the shipping and payment information, and submit the order in accordance with the E-Procurement Service. Subsequently, the Supplier Manager will send those orders to the appropriate contractor on State Contract. The State or State approved user, not the Supplier Manager, shall be responsible for the solicitation, bids received, evaluation of bids received, award of contract, and the payment for goods delivered.

Contractor agrees at all times to maintain the confidentiality of its user name and password for the Statewide E-Procurement Services. If a contractor is a corporation, partnership or other legal entity, then the contractor may authorize its employees to use its password. Contractor shall be responsible for all activity and all charges by such employees. Contractor agrees not to permit a third party to use the Statewide E-Procurement Services through its account. If there is a breach of security through the contractor's account, contractor shall immediately change its password and notify the Supplier Manager of the security breach by e-mail. Contractor shall cooperate with the State and the Supplier Manager to mitigate and correct any security breach.

20. **ELECTRONIC PROCUREMENT (APPLIES ONLY TO STATEWIDE TERM CONTRACTS):** Within ten (10) calendar days of notice, the contractor shall provide supplier information, contract pricing and other product-related information requested by the State or the Supplier Manager. This information shall include such information as contractor name, SKU, brand/manufacturer, product name and a brief description, unit of measure, price, and other similar information properly requested by the State or the Supplier Manager to facilitate purchasing from the contract. This information shall be posted by the contractor in the format provided by the Supplier Manager, or as otherwise provided in a template or format required by the State. No costs or expenses associated with providing this information shall be charged to the State, its agents (including Supplier Manager) or State approved users of the contract. For the purposes of this contract, the contractor warrants that it is authorized and empowered to and hereby grants the State and the Supplier Manager the right and license to use, reproduce, transmit, distribute and publicly display this information. In addition, for the purposes of this contract, the contractor warrants that it is authorized and empowered to and hereby grants the State and the Supplier Manager the right and license to reproduce and display contractor's trademarks, service marks, logos, trade dress or other branding designation that identifies the goods available under the contract. The Supplier Manager shall create and maintain, with contractor's timely assistance, web-based placement of contract information, where appropriate, that includes the contract items distributed by the contractor within the appropriate contract categories. The State shall provide any price adjustment/product modification information that it has approved during the course of the contract, to the Supplier Manager immediately upon such change.

If the contractor is not the manufacturer, then it shall be the contractor's responsibility to obtain authorization from the manufacturer to comply with the provisions of this contract, including any appropriate intellectual property rights of the manufacturer. If the contractor is the manufacturer, then the manufacturer shall only authorize dealers, outlets, distributors, value added resellers, etc. (together, "Authorized Resellers") within their network that can comply with the provisions of this contract.

**CONTRACTOR IS AND SHALL REMAIN RESPONSIBLE FOR PAYING THE TRANSACTION FEE ON BEHALF OF ITS AUTHORIZED RESELLERS IN THE EVENT THAT THE AUTHORIZED RESELLER(S) DEFAULTS.**

21. **CANCELLATION (TERM CONTRACTS ONLY):** All contract obligations shall prevail for at least 90 days after the effective date of the contract. After that period, in addition to the provisions of the paragraph entitled Price Adjustments, for the protection of both parties, this contract may be canceled in whole or in part by either party by giving 30 days prior notice in writing to the other party.
- CANCELLATION (EXECUTIVE ORDER #50 CONTRACTS):** A contract awarded to a North Carolina resident bidder pursuant to Executive Order #50 and G.S. § 143-59 may be cancelled by the State, if the State determines that the Bidder's certification or information in Resident Bidder's Certification for Price-Matching Preference under Executive Order #50 is false, materially inaccurate or misleading. The contractor shall bear all losses and liability resulting from the cancellation of the contract and/or any purchase order and the contractor shall be liable for any additional costs the State may incur by contracting with another supplier of the goods or equipment.
22. **QUANTITIES (TERM CONTRACTS ONLY):** The award of a term contract neither implies nor guarantees any minimum or maximum purchases thereunder.
23. **PRICE ADJUSTMENTS (TERM CONTRACTS ONLY):** Any price changes, downward or upward, which might be permitted during the contract period must be general, either by reason of market change or on the part of the contractor to other customers.
- a. **Notification:** Must be given to the issuing purchasing authority, in writing, concerning any proposed price adjustments. Such notification shall be accompanied by copy of manufacturer's official notice or other acceptable evidence that the change is general in nature.
- b. **Decreases:** The State shall receive full proportionate benefit immediately at any time during the contract period.
- c. **Increases:** All prices shall be firm against any increase for 180 days from the effective date of the contract. After this period, a request for increase may be submitted with the State reserving the right to accept or reject the increase, or cancel the contract. Such action by the State shall occur not later than 15 days after the receipt by the State of a properly documented request for price increase. Any increases accepted shall become effective not later than 30 days after the expiration of the original 15 days reserved to evaluate the request for increase.
- d. **Invoices:** It is understood and agreed that orders will be shipped at the established contract prices in effect on dates orders are placed. Invoicing at variance with this provision will subject the contract to cancellation. Applicable North Carolina sales tax shall be invoiced as a separate item.
24. **By Executive Order 24,** issued by Governor Perdue, and N.C. G.S. § 133-32, it is unlawful for any vendor or contractor ( i.e. architect, bidder, contractor, construction manager, design professional, engineer, landlord, offeror, seller, subcontractor, supplier, or vendor), to make gifts or to give favors to any State employee of the Office of the Governor and Governor's Cabinet Agencies (i.e., Administration, Commerce, Correction, Crime Control and Public Safety, Cultural Resources, Environment and Natural Resources, Health and Human Services, Juvenile Justice and Delinquency Prevention, Revenue, and Transportation). This prohibition covers those vendors and contractors who:
- (1) have a contract with a governmental agency; or
  - (2) have performed under such a contract within the past year; or
  - (3) anticipate bidding on such a contract in the future.

For additional information regarding the specific requirements and exemptions, vendors and contractors are encouraged to review Executive Order 24 and G.S. Sec. 133-32.

Executive Order 24 also encouraged and invited other State Agencies to implement the requirements and prohibitions of the Executive Order to their agencies. Vendors and contractors should contact other State Agencies to determine if those agencies have adopted Executive Order 24.