

**TENDER FOR SUPPLY OF  
GENERATOR 45 KVA  
FOR  
SN COLLEGE, CHEMPAZHANTHY**



## **Tender for Supply of Generator 45 KVA**

DATE OF COMMENCEMENT

OF SALE OF BIDDING DOCUMENT : 04/12/2014

LAST DATE AND TIME FOR

RECEIPT OF BIDS : 10/12/2014, 14.00 HRS

TIME AND DATE OF OPENING

OF BIDS : 10/12/2014, 15.30 HRS

PLACE OF OPENING OF BIDS : SN COLLEGE, CHEMPAZHANTHY

ADDRESS FOR COMMUNICATION : SN COLLEGE, CHEMPAZHANTHY,  
THIRUVANANTHAPURAM – 695587,  
KERALA.

**PART - A**

**INVITATION FOR BIDS (IFB)**

## INVITATION FOR BIDS (IFB)

IFB No: SN/TENDER/DG/1/2014

Dated: 04/12/2014

SN COLLEGE, CHEMPAZHANTHY hereby invites sealed bids under TWO-BID SYSTEM from eligible bidders for the supply of Generator 40 KVA.

Sl. No	Equipment	Estimated Qty Required (in Nos.)
1	<b>Generator 45 KVA</b>	1 No

Sealed Tenders will be accepted till 14.00 Hrs on 10/12/2014

1. Interested eligible Bidders may obtain further information from the office of the Principal SN COLLEGE CHEMPAZHANTHY, THIRUVANANTHAPURAM.
2. The Tender Document can be downloaded from our Website [www.sncollegechempazhantny.org](http://www.sncollegechempazhantny.org)
3. Interested eligible bidders may submit their bidding documents accompanied by the items/ documents specified herein to the office of the Principal SN COLLEGE, CHEMPAZHANTHY on the specified date and time.
5. **The Technical Bids will be opened on 10/12/2014, at 15.30 HRS**, in the presence of the bidders or their duly authorized representatives who wish to attend the bid opening on the specified date and time at office mentioned above. In the event of the date being declared is a closed holiday, the due date for submission of bids and opening of bids will be the following working day at the appointed time.

# **INSTRUCTION TO BIDDERS**

## **INSTRUCTION TO BIDDERS**

### **1. Eligible Bidders**

- 1.1 Only primary manufacturers and/or authorized dealers are eligible to participate in the tender.
- 1.2 The bidder should have a **minimum experience of 3 years in the field of manufacture** and/or supply of the similar product. Bid Documents at least 75% (rounding off to nearest whole number) of the quantity offered in any one of the last three calendar years and should be satisfactorily functioning with no adverse report for at least one year on the date of bid opening. The bidder should furnish the information on past supplies and satisfactory performance. Bidders shall invariably furnish documentary evidence (Client's Certificate) in support of the satisfactory operation of the equipment as specified above.
- 1.3 Bidder should have capacity to **deliver the equipment within one week from the date** of confirmed Purchase Order/ Letter of Intent. Delivery schedule should be specifically mentioned in the tender document.

### **2. THE BIDDING DOCUMENTS**

The Bidder is expected to examine all instructions, forms, terms and specifications in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

### **3. Amendment of Bidding Documents**

At any time prior to the deadline for submission of bids, the Purchaser may, modify the Bidding Documents by an amendment. Any such modification/ changes pertains to this tender shall be communicated only through our website [www.sncollegechempazhanthy.org](http://www.sncollegechempazhanthy.org)

### **4. Documents Comprising the Bid**

Following documents and forms are to be included in the technical bid and commercial bid respectively.

#### **4.1 TECHNICAL BID**

The technical bid shall consist of the following documents.

- a) The technical specifications enclosed along with the bid document shall be confirmed by signature of the bidder/authorized signatory of the bidding firm, in all pages and authorized by official seal. The information shall be filled in the technical specifications wherever necessary as per the instructions given.
- b) Duly attested copies of factory license/ Industrial license, sales tax registration, and documents to prove the legal status, place of registration and principal place of business of the undertaking.
- c) Proof of experience.
- d) Documents establishing bidder's eligibility and qualifications

## **4.2 PRICE BID**

Duly filled Bid Form and price schedule as per sections.

## **5. Bid Form**

The Bidder shall fill up the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating for the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.

## **6. Bid Prices**

- 6.1 The Bidder shall indicate in the Price Schedule the unit prices and total Bid prices of the goods it proposes to supply under the Contract.
- 6.2 Prices indicated on the Price Schedule shall be entered separately in the manner of price of the goods, including all duties and sales tax and other taxes, transportation and delivery charges
- 6.3 Fixed price: Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.

## **7. Documents establishing goods conformity to bidding documents**

- 7.1 The Bidder shall furnish, as part of its bid, documents establishing the conformity to the bidding documents of equipment and services which the bidder proposes to supply under the contract.
- 7.2 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings and data and shall consist of detailed description of the essential technical and performance characteristics of the goods.

## **8. Period of Validity of Bids**

- 8.1 Technical Bid shall be valid for a period of Three months **from the date of Opening of Bid.**
- 8.2 In exceptional circumstances, the Purchaser may solicit the bidders consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

## 9. Format and Signing of Bid

9.1 The bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the Contract. The letter of authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.

9.2 Any interlineations, erasures or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

## 10. Sealing and Marking of bids

**Separate bids shall be submitted for price bid and technical bids.**

10.1 The bidders shall seal **Technical bid** and **Price bid separately** duly marking the envelopes as **“TECHNICAL BID” - cover “A”** and **“PRICE BID” - cover “B”**. The Bidders shall then place both separately sealed envelopes (cover “A” & cover “B”) in an outer envelope. The name of the product for which the bid is made must be marked on both the inner envelopes and the outer envelope.

10.2 The tender in single cover consisting of both Technical and Price Bids shall be addressed to the Purchaser at the following address Principal, SN COLLEGE, Chempazhanthy, Thiruvananthapuram.

- (a) The outer envelope shall bear the Invitation for bids (IFB) number, and a statement: “DO NOT OPEN BEFORE” 15.30 HRS. ON 10/12/2014”
- (b) The inner envelope shall also indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared “late”.
- (c) If the inner and outer envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.
- (d) Bids must be received by the Purchaser at the address specified not later than the date and time specified in the Invitation For Bid.

## 11. Late Bids

Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser, will be rejected and returned unopened to the bidder.

## 12. Opening of Bids by Purchaser

12.1 The Purchaser will open all technical bids (Cover A), in the presence of bidder’s representatives who choose to attend, at 15.30 HRS on 10/12/2014 at the location, **SN COLLEGE, Chempazhanthy, Thiruvananthapuram.**

12.2 The "Price Bid" (Cover B) will be opened after evaluation of "Technical bids" (Cover A) and the date and time will be intimated to bidders whose bids are responsive and who are selected by the Purchaser.

12.3 The bidders will be short-listed on the basis of responsiveness of technical bid as well as technical evaluation. The price bid of the bidders who are disqualified at the technical scrutiny will be returned un-opened. The short listed bidders will be informed about the time, date and venue of the price bid opening. The successful bidder shall be identified on the basis of lowest evaluated substantially responsive bid.

### **13. Clarification of Bids**

During evaluation of bids, the Purchaser may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

### **14. PRELIMINARY EXAMINATION**

If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.

### **15. Evaluation And Comparison Of Bids.**

- (a) Each bid will be evaluated separately and qualify the bid if the bid meets all the conditions and technical specifications mentioned in the document.
- (b) The purchaser has the right to accept OR reject any one OR all the bids without assigning any reasons.
- (c) The rate of the equipment shall include the charges to deliver the material at the premises of SN College, Chempazhanchy.
- (d) The Purchaser desires to have separately Annual Maintenance Contract Charges for a period of 3 years after the expiry of free maintenance period of 1 Year, clearly indicating year wise comprehensive maintenance charges.

### **16. Contacting the Purchaser**

16.1 No bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the bidder wishes to bring additional information to the notice of the purchaser it should do so in writing.

16.2 Any effort by a bidder to influence the purchaser in its decisions on bid evaluation, bid comparison, or selection may result in the rejection of the bidder's bid.

### **17. Award of Contract**

17.1 It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, as well as such other information as the Purchaser deems necessary and appropriate.

17.2 The Purchaser will award the contract to the successful bidder whose bid has been determined to be substantially responsive and has been determined as the lowest

evaluated bid, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.

17.3 The Purchaser reserves the right to accept or reject any bid and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders.

## **18. Notification of Award**

Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by E-Mail and to be confirmed that its bid had been accepted. The notification of award will constitute the formation of the contract

## **19. DELAYS IN DELIVERY OF GOODS**

19.1 **Delivery of the Goods shall be made by the Supplier as per the delivery schedule mentioned in the Tender Document (within 7 days from the date of placing the Purchase Order).**

19.2 A delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of penalty. If the Supplier fails to deliver any or all of the Goods or perform the Services within the time period(s) specified in the Purchase Order, the purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to the percentage specified in the purchase order.

## **20. PAYMENT TERMS**

- 60% within 30days on documentary proof of invoiced items, Goods Receipt Certificate and Warranty Certificates.
  - 30% after Erection, Testing, Commissioning and Handing Over of the items.
  - 10% after Erection, Testing, Commissioning and Handing Over of the complete system against Performance Bank Guarantee valid for a period of ONE year.
21. All Test Reports (as applicable), Operation / Service Manual, etc are to be forwarded along with the original invoices.

## **22. Payment for Annual Maintenance Contract Charges**

The payment of Annual Maintenance Charge will be made on six monthly basis after satisfactory completion of said period.

# **GENERAL CONDITIONS OF CONTRACT**

## **GENERAL CONDITIONS OF CONTRACT**

### **1. INSURANCE**

The Goods Supplied under the Contract shall be fully insured in Indian Rupees against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.

### **2. INCIDENTAL SERVICES**

The supplier may be required to provide any or all of the following services, including additional services:

- a) Performance or supervision of the on-site assembly and/or start-up of the supplied goods
- b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- c) Furnishing of detailed operations and maintenance manual for each product
- d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- e) Training of the Purchaser's Personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods.

### **3. SPARE PARTS**

3.1 Supplier may be required to provide any or all of the following materials and notifications and information pertaining to spare parts manufactured or distributed by the Supplier:

3.2 Such spare parts as the Purchaser may elect to purchase from the Supplier, providing that this election shall not relieve the Supplier of any warranty obligations under the Contract.

### **4. WARRANTY**

4.1 This warranty shall remain valid for ONE YEAR from the date of successful commissioning.

4.2 Upon receipt of such notice, the Supplier shall, within 8 hours, repair or replace the defective Goods or parts thereof, without cost to the Purchaser

### **5. PAYMENT**

Payment shall be made promptly by the Purchaser but in no case later than Thirty (30) days after submission of the invoice/claim by the Supplier as per Payment Conditions mentioned in the Tender Document.

## 6. TERMINATION BY DEFAULT

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the Contract in whole or part;

- a) if the Supplier fails to deliver any or all of the goods within the time period(s) specified in the Contract, or within any extension thereof granted by the Purchaser, or
- b) If the Supplier fails to perform any other obligation(s) under the contract.

## 7. RESOLUTION OF DISPUTES

The any disagreement or dispute arising between them under or in connection with the Contract shall be settled amicably. The jurisdiction of any disputes, suits and proceeding arising out of the tender shall be only in the court of Thiruvananthapuram.

## 8. TAXES AND DUTIES

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi etc., incurred until delivery of the contracted Goods to the Purchaser. However, Sales tax in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the Notification of Award.

# **TECHNICAL SPECIFICATIONS**

## **Technical Specification of 45 KVA DG Set**

### **Scope of Work**

Scope of the work shall include Supply, Erection, Testing and Commissioning of 45KVA/37KW, SILENT DIESEL GENERATOR Set with Central Pollution Control Board 3T (CPCB II) approved Acoustic Enclosure comprising of Diesel Engine with standard accessories coupled to Alternator mounted on Channel Iron Base Frame with Vibration Free Pads, complete with Fuel Tank having sufficient capacity for minimum 8 Hours of operation with Standard Control Panel and Batteries with the following features given below.

### **Make**

Engine: CUMMINS / KIRLOSKAR (GREEN) / / ASOK LEYLAND / CATERPILLAR

Alternator: KIRLOSKAR / STAMFORD

### **Engine**

The Engine shall be of Radiator Cooled (water Cooled), Four Stroke, Multi-Cylinder confirming to relevant Standards.

Battery Charging Alternator shall be coupled with the Engine.

Lube Oil Pressure Gauge, Water Pressure Gauge, Water Temperature Gauge and Oil Temperature Gauge shall be provided in the Engine.

Additional 230V Battery Charger shall be provided external to the engine with necessary connection accessories.

Engine shall be filled with first fill of (fresh) Lube Oil and Coolant.

### **Alternator**

Alternator shall be of Brushless, Self-Excited type rated at 40KVA/32KW.

Terminal Voltage of the Alternator shall be 3 Phase,  $415 \pm 1\%$  Volts, 50 Hz, 0.8 Power Factor, Four Wire.

Insulation of the Alternator shall be Class-F/H.

Voltage of the Alternator shall be self-regulated through AVR.

### **Mounting**

Engine and Alternator shall be mounted on a common MS fabricated base frame with AVM Pads.

### **Standard Control Panel**

The Control Panel shall be fabricated with minimum 16 gauge CRCA sheet and painted with powder coated paint. Suitable size of Aluminum Buses shall use for incoming and outgoing termination.

Control panel shall have Push Button, accessories such as Contactors having sufficient rating, complete.

The operation, monitoring and control of the system shall be controlled with Micro-processor based Controller installed in the Control Panel.

CT (Current Transformer) provided for measuring current shall be of Class 0.5 and shall be of cast resin type. The CT's provided shall be submitted with the test certificate from Kerala State Electrical Inspectorate.

Indication Lamps shall be provided in the control panel for 'Load On' and 'Running'.

Suitable rating of MCCB with over load and short circuit protection shall be mounted in the Control Panel for the isolation of loads.

MCB shall be provided for the isolation / protection of control circuit (No fuses shall be used).

The Control panel shall have the following functional facilities

- Manual start
- Emergency Stop
- Fault Reset

The Control Panel shall consist of the following parts.

- Switch for Manual/Auto start Generator Set

- Meters displaying the parameters
  - Voltage
  - Current
  - Frequency
  - Speed (RPM)
  - Oil Pressure
  - Water Pressure
  - KVA
  - KW
- LED Indication for the faults
  - Fail To Start
  - Over Load
  - Over Speed & Under Speed
  - Low Oil Pressure
  - Engine temperature High
  - Battery Charging Alternator Fail
  - LCD Engine Hour Counter

### **Vendors**

Vendors List of the switchgear and other accessories are given below.

MCB & MCCB	: SIEMENS
Contactors	: SIEMENS
CT	: KAPPA / INTRANS
Indication Lamps	: TECKNIK / SIEMENS / L&T
Meters	: COZERVE / RISHAB

### **Acoustic Enclosure**

Acoustic Enclosure shall be made of CRCA sheet having minimum 2 mm thickness and the walls of the enclosure insulated with fire retardant foam. Sound level at 1 Mtr shall be d"75 dB. The DG set shall meet all the specifications/norms stipulated by Ministry of Environment and Forests, Central Pollution Control Board and Kerala State Electrical Inspectorate etc. Necessary Air Louvers shall be provided in the enclosure.

### **Battery**

Battery shall be Sealed Maintenance Free type. Make and Technical Data of the Battery shall be mentioned in the offer.

### **Fuel Tank**

Fuel Tank shall have sufficient capacity for minimum 8 Hours of operation of the DG Set. Fuel Gauge shall also be provided for the indication of the level of the fuel.

### **Battery Limit**

Standard Size of Cables for Power & Control shall be laid by S.N.College Authorities up to the Control Panel of the DG Set. Termination and Connection of the Cables shall be done by the S.N. College, Chempazhanthy.

Earthing Pit shall be provided by S.N.College Authorities nearby the location of the DG Set. Laying of standard size of Copper Earth Wire as per the standards of Kerala State Electrical Inspectorate and Termination of the same shall done by S.N. College, Chempahzanthy Supervision and commissioning shall be done by tenders

**Special Conditions:**

- 1) Make and Model Number of Diesel Engine and Alternator shall be specifically mentioned in the Tender. Catalogue of the same shall also be attached with the offer.
- 2) BHP of the Diesel Engine shall be mentioned in the Tender and the same shall be taken for the calculation of power conversion.
- 3) Rate may be quoted in the specific Price Bid Format attached
- 4) Pre-Shipment Inspection and Testing to be conducted by the supplier in the presence of Engineer in charge of customer.
- 5) Test Certificates of Engine and Alternator shall be supplied along with the DG Set.
- 6) The DG set shall be placed on the foundation by the supplier or as instructed by the officer / engineer in charge of customer. Foundation will be done by customer, for which drawing shall be supplied by the party.
- 7) All the Unloading and Leading works of the DG Set at the site shall be in the scope of the supplier.
- 8) A competent Technical Person from the supplier shall be present at the time of Trial Run and for the successful Commissioning of the DG Set.
- 9) Tenderer shall provide Service/Technical support for Engine, Alternator and other accessories.

## **DECLARATION**

We confirm having read and understood all the specifications, instructions, forms, terms and conditions and other requirements of the above tender (both expressed and implied) in full and that we agree to abide by all without any deviation.

SEAL OF THE APPLICANT

SIGNATURE  
NAME AND ADDRESS OF APPLICANT

**PART B**

**PRICE BID FORM**

Date 04/12/2014

IFB NO: SNC/TENDER/04/01/2014

To:  
SUPERINTDENT  
SN COLLEGE, CHEMPAZHANTHY, TRIVANDRUM.

Dear Sir

Having examined the Bidding Documents including Addenda Nos....., the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver.....  
(Description of Goods and Services) in conformity with the said Bidding Documents for the sum of..... (Total Bid amount in Words and Figures) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

We agree to abide by price per unit mentioned in price schedule, for the bid validity period specified in the bid document and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.

Until a formal final contract is prepared and executed between us, this bid, together with your written acceptance of the bid and your notification of award, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

We confirm that we comply with the eligibility requirements as per the bidding documents.

Dated this ..... day of ..... 2014

\_\_\_\_\_  
(signature)

(in the capacity of) \_\_\_\_\_

Duly authorized to sign Bid for and on behalf of  
\_\_\_\_\_

**PRICE SCHEDULE (I)**  
**(Price Bid Format)**

(Amount in Rs)

1	2	3	4	5	6	7	8	9	10	11
SI No	Description	Qty	Unit	Rate	ED (%)	ED Amount	Tax (%)	Tax Amount	Insurance & Freight	Total Amount
	<b>SUPPLY PART</b>									
1	45 KVA DIESEL GENERATOR									
2	Others if any (Pls Specify)									
<b>Total</b>										<b>[3X(5+7+9+10)]</b>

Signature of the Tenderer :

Name of the Tenderer :

Seal of the Tenderer

Date :

NOTE: 1) The columns may be filled as is applicable in each case.

2) Bidders should bid for the entire quantity asked by the purchaser in the tender document. Bidding for part quantity for any equipment will not be considered.

**PRICE SCHEDULE FOR ANNUAL COMPREHENSIVE MAINTENANCE CONTRACT**

**AFTER WARRANTY PERIOD**

1	2	3	4			5
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
Schedule No.	BRIEF DESCRIPTION OF GOODS	QUANTITY (1)	A	b	C	Total Annual Comprehensive Maintenance Contract Cost for 3Years[3 x (4a+4b+4c)]

\* After completion of Warranty period

**NOTE: -**

1. In case of discrepancy between unit price and total prices, THE UNIT PRICE shall prevail.
2. The cost of Annual Maintenance Contract (AMC) which includes preventive maintenance including testing & calibration as per technical/ service /operational manual, labour after satisfactory completion of Warranty period may be quoted for next 3 years on early basis for complete equipment and Turnkey (if any).
3. Spares required for the service shall be arranged by S.N.College Authorities. If the spares are arranged by the contract agency, amount for the same shall be paid by S.N.College Authorities.

4. The cost of AMC may be quoted along with taxes applicable on the date of Tender Opening. The taxes to be paid extra, to be specifically stated. In the absence of any such stipulation the price will be taken inclusive of such taxes and no claim for the same will be entertained later.
5. Cost of AMC will be added for Ranking/Evaluation purpose.
6. The uptime warranty will be 98 % on 24 (hrs) X 7 (days) X 365 (days) basis or as stated in Technical Specification of the TE document
7. All software updates should be provided free of cost during CMC period.
8. The stipulations in Technical Specification will supersede above provisions
9. The supplier shall keep sufficient stock of spares required during Annual Comprehensive Maintenance Contract period. In case the spares are required to be imported, it would be the responsibility of the supplier to import and get them custom cleared and pay all necessary duties.

Signature of Tenderer :

Name

:

Business address

:

Place :

Date :

Seal of the Tenderer :

# **RENOVATION WORK**

TENDER FOR THE INSTALLATION & COMMISSIONING OF  
45 KVA DG-SET AND CONNECTED ELECTRICAL  
WORKS  
FOR  
SN COLLEGE, CHEMPAZHANTHY

**TENDER NOTICE**

Sub:- 45 kva dg-set installation, commisioning and connected electrical work at s.n.college, chempazhanthi, thiruvananthapuram reg:-

S.N.COLLEGE, CHEMPAZHANTHI, hereby invites sealed Single bids from eligible bidders for the 45 KVA DG-SET INSTALLATION, COMMISIONING AND CONNECTED ELECTRICAL WORK AT S.N.COLLEGE, CHEMPAZHANTHI, THIRUVANANTHAPURAM - 695587.

Name of the Item	Tender No:	Date & Time of Opening of bids	Installation
45 KVA DG-SET INSTALLATION, COMMISIONING AND CONNECTED ELECTRICAL WORK AT S.N.COLLEGE, CHEMPAZHANTHI, THIRUVANANTHAPURAM	SNC/TENDER/DG/2/2014	10/12/2014 at 3.30 PM	7 days (From the date of LOI/PO)

2) LIST OF APPROVED MAKES OF ACCESSORIES:

(LIST OF APPROVED MAKES FOR THE HT OUTDOOR METERING PANEL INSTALLATION WORKS)

- 1) CABLE : FINOLEX / NICCO / UNIVERSAL / GLOSTER.  
 2) Lugs/ Glands : DOWEL / JAISON  
 3) CT/PT : INTRANS.  
 4) ROTARY SWITCH : L&T / SALZER.  
 5) METERS : L&T / RISHAB.  
 6) INDICATION LAMPS : TECHNIC/ JAI BALAJEE / SCHNIEDER / SIEMENS.

3) Eligibility Criteria:

- 1) The party shall have sufficient experience in the installation of similar capacity DG Sets during the past three years.  
 2) Documentary proof for the same shall be submitted.

4) General Conditions of Contract (GCC)

**4.1) Completion Period:** Entire work in all respect shall be completed within 1 month from

the date of confirmed PO/LOI.

- 4.2) Test certificates:** - Test certificates of CT / Meter shall be handed over to S.N.COLLEGE, CHEMPAZHANTHI, after successful commissioning of the system.
- 4.3)** Party shall visit the site before quoting.
- 4.4)** All the electrical safety rules shall be adhered in executing the work.
- 4.5)** Advance safety permits shall be obtained before commencement of work.
- 4.6)** Period of Validity of Bids
- 4.7)** Price Bid shall be valid **for 3 months from the date of opening of Price Bid**
- 4.8)** Order will be issued for the entire work which includes supply and service. No separate Purchase Order for the supply of materials.
- 4.9) Payments :** - **100 % payment after successful completion and certification of the S.N.COLLEGE, CHEMPAZHANTHI Authorities.**
- 4.10) LAST DATE AND TIME FOR RECEIPT OF BIDS IS 10/12/2014, AT 14.00 HRS**
- 4.11) TIME AND DATE OF OPENING OF BIDS IS 10/12/2014, AT 15.30 HRS**

**Superintendent**

**S.N.COLLEGE, CHEMPAZHANTHI**

## S.N.COLLEGE, CHEMPAZHANTHI, THIRUVANANTHAPURAM

**PRICE BID****BOQ FOR 45 KVA DG-SET INSTALLATION, COMMISSIONING AND CONNECTED ELECTRICAL WORK AT S.N.COLLEGE, CHEMPAZHANTHI, THIRUVANANTHAPURAM**

<b>Sl. No.</b>	<b>Description</b>	<b>Unit</b>	<b>QTY</b>	<b>RATE Rs.Ps</b>	<b>AMOUNT Rs.Ps</b>
1	Supply and laying 3 1/2x 70 nSq.mm ARAL XLPE cable from KSEB supply point to D/G set, D/G TO MAIN DB direct in ground/surface as required complete with all accessories.	Metre	35		
2	Supply and providing end termination of 70 Sq.mm ARAL XLPE UG cable with all accessories.	NO	4		
3	Supply and laying no 4 SWG copper, for earthing D/G set in surface / recess as required complete with all accessories.	Metre	100		
4	Supply and providing earth bus made out of 25x 3 mm copper strip, including, copper leg, 3/16 nut and bolts etc as required complete with all accessories.	NO	2		
5	Supply and providing GI pipe earthing with 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	NO	4		
6	Supply and providing 8 way TPN, Vertical type MCBDB double door type for main parel.Consisting of 125 A, 35KA,TP MCCB as incoming and 63 A TP MCB-5 no:s, 32A TP MCB-1No: as outgoing with all interconnections etc.as required complete	SET	1		

7	Supply and installation of all materials and forming civil structure / plat-form for installation of 45 KVA D/G set using cement, sand and rock etc. including complete earth work for civil structure, at a depth of 50cm below ground level and at a height of 60cm above ground level, finishing the structure with cement, plastering the same etc as per standards of DG manufaturer / electrical inspectorate.	Lumpsum	LS		
8	Supply & Installation of all materials for forming, roof and fencing for DG set, with GI pipe and GI roofing sheet for roofing and place flat, 25 x 3, 10mm round rod for fencing. With proper door opening system etc. including all civil and painting works complete.	Lumpsum	LS		
9	Preparation of all required, drawings and submitting the same to Electrical inspectorate for obtaining approval. Also submitting completion report to inspectorate, arrange inspection and obtaining energisation order for 45 KWh D/G set, including obtaining Calibration, testing certificate for kWh meter and CT of D/G set. All the laisoning works with KSEB, if any, also has to be taken care for necessary completion of the work. (All the statutory bills will be reimbursed upon submission of orginal bills).	Lumpsum	LS		
10	Supply and providing exhaust line of D/G from DG entire height of nearest building using 75cm, dia M.S pipe with all accessories, including thermal coated aluminium painting over metal primer.	Metre	20		
11	Supply and providing aluminium cladding from D/G set to silencer end point etc.	Metre	4		
TOTAL					
Any other Remark (s) :					

Payment terms:

Certified that the rate quoted will hold good for 90 days, during which period no upward revision will be asked for.

NAME OF TENDERER: \_\_\_\_\_

Place:

ADDRESS AND SIGNATURE OF THE TENDERER

Date:

(WITH OFFICE SEAL)

**DETAILED ESTIMATE FOR THE RENOVATION**  
**WORK OF OFFICE ROOM**

1. Providing partisions for  
the Office room with powder  
coated Aluminium sector with  
Novopan & Glass as per the Drawing. - 63.50 M<sup>2</sup> 1775/m<sup>2</sup>
  
2. Painting with good quality  
Plastic Emulsion two coats. - 430.70m<sup>2</sup> 135/m<sup>2</sup>
  
3. Electrification - L.S

# **DETAILED ESTIMATE FOR THE RENOVATION OF SEMINAR HALL**

1. Electrification for LED Lights & fan for LED Lights (12v) LED strips	L.S. 20 Nos 154m	
2. Flooring with ceramic tile	160m <sup>2</sup>	950/m <sup>2</sup>
3. Painting two coat putty	242/m <sup>2</sup>	225m <sup>2</sup>
4. Providing Gypsm Cornice in Ceiling	145m	200/m

**DETAILED ESTIMATE FOR THE RENOVATION WORK**  
**OF THE COMPUTER LAB**

SL.NO.	ITEM	QTY.
1.	Flooring with quality Vitrified tile in cement glass.	79.00 m <sup>2</sup> 110/m <sup>2</sup>
2.	Electrification for Computer points for LED lights & strips providing 12V led lights & strips.	20 Nos. L.S.
3.	Providing Gypsm Ceiling	88.00 m <sup>2</sup> 650/m <sup>2</sup>
4.	Painting with Two coat Putty finish and two coat plastic emulsion.	172.00 m <sup>2</sup> 225/m <sup>2</sup>
5.	Providing computer tables	10 Nos. 8,800