

KERALA STATE ELECTRICITY BOARD

Office of the Chief Engineer (Supply Chain Management)

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Vydyuthi Bhavanam,
Pattom,
Thiruvananthapuram-695004

PURCHASE ORDER

From

The Chief Engineer

To

M/s.Iga Tech Industrial Electronics (P) Ltd.,
TC-2/1093, Menatheer, Pazhaya Road,
Medical College.P.O,
Thiruvananthapuram -11.

P.O.No.	SCM.85/2013-14/ 4197
Date	10/12/2013
P.O. type	Supply - New
Reference file	Ideas No.7481/XH-AE3/ 2013/CE(SCM)
Purchase Value	₹20,93,742/-
AMC Amount	Rs.1,32,300/-
Security Deposit	Rs.1,04,700/-
Price	Fixed

Dear Sirs,

Sub:- Supply, Installation, Testing, Commissioning and Maintenance of 527Nos. 600VA Offline UPS (Warranty for 3 years) and 9Nos. 3kVA Online UPS (including warranty for three years and continued AMC for next three years) at various offices of K.S.E.Board - reg.

Ref:- 1) This office Tender No.SCM.32/2013-2014 dated 24/09/2013.
2) Your offer dated 18/10/2013.
3) Your letter No.MKT/81/13-14 dated 22/11/2013.

Your offer for Supply, Installation, Testing, Commissioning & Maintenance of the materials as per the schedule attached is accepted. Please effect the supply according to the instructions given in this order.

Please return the duplicate copy of this purchase order duly signed and seal affixed on all pages as token of acceptance for incorporation in the contract agreement.

This Purchase Order contains 20 Pages serially numbered from page 01 of 20 to 20 of 20 and signed by Chief Engineer on all pages.

Yours faithfully,

Sd/-

J.Baburaj
CHIEF ENGINEER

Acc:- 1) As above
2) Annexure - I - Format of Agreement.
3) Annexure - II - Format of Security Deposit Bank Guarantee
4) Annexure -III - Format of Performance Security Bank Guarantee.
5) Annexure -IV - Format of Preventive Maintenance Register.
6) Annexure - V - Format of System Maintenance Register

Copy to:-

- 1) The Secretary, Vydyuthi Bhavanam Thiruvananthapuram.
- 2) The Resident Audit Officer, Vydyuthi Bhavanam, Thiruvananthapuram.
- 3) The Financial Adviser, Vydyuthi Bhavanam Thiruvananthapuram.
- 4) The Accountant General, Kerala.
- 5) The Main Income Tax Officer, Kerala.
- 6) The Secretary, Board of Revenue (ST) Thiruvananthapuram.
- 7) The Chief Engineer, System Operation, Kalamassery.
- 8) The Chief Engineer (Distribution-North), Kozhikode.
- 9) The Chief Engineer, (Distribution-Central), Ernakulam.
- 10) The Chief Engineer, (Distribution-South), Power House Building, Trivandrum.
- 11) The Chief Engineer, Transmission North, Kozhikode.
- 12) The Chief Engineer (Generation), Moolamattom.
- 13) The Chief Engineer (HRM), Vydyuthi Bhavanam, Thiruvananthapuram
- 14) The Chief Engineer (IT), Vydyuthi Bhavanam, Thiruvananthapuram
- 15) The Deputy Chief Engineer, Generation Circle, Moolamattom/Thrissur/Meencut/
Kothamangalam/ Moozhiyar.
- 16) The Deputy Chief Engineer, System Operation Circle, Kalamassery.
- 17) The Deputy Chief Engineer, System Operation Circle, Vydyuthi Bhavanam,
Thiruvananthapuram.
- 18) The Deputy Chief Engineer, Transmission Circle, Alappuzha/ Pathanamthitta/
Kannur/ Kothamangalam/ Thiruvananthapuram/ Kalamassery/ Kottarakkara/
Kozhikode/ Malappuram/ Palakkad/ Poovanthuruth/ Thodupuzha/ Thrissur.
- 19) The Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram
(Urban)/Thiruvananthapuram (Rural)/ Kollam/ Kottarakkara/ Kottayam/ Pala/
Alappuzha/ Ernakulam/ Perumbavoor/ Irinjalakkuda/ Thrissur/ Palakkad/
Vadakara/ Kannur/ Sreekandapuram/ Manjeri/ Tirur/ Pathanamthitta/
Thodupuzha/ Kasargod/ Kalpetta/ Kozhikode/ Shornur.
- 20) The Deputy Chief Engineer, System Operation Circle, Kannur.
- 21) The Deputy Chief Engineer, Investigation Circle, Thrissur.
- 22) The Deputy Chief Engineer, Civil Circle, Kozhikode/ Pallom/ Meencut/
Kothamangalam/ Kakkayam.
- 23) The Executive Engineer, Transmission Division, Pathanamthitta.
- 24) The Executive Engineer, Transmission Stores Division, Angamaly.
- 25) The Executive Engineer, B&S Division, Angamaly.
- 26) The Project Manager, KDPP, Kozhikode.
- 27) Team Leader & Principal, Project Co-Ordinator, BDPP, Ernakulam.
- 28) The Director, R&DS Organization, Pallom.
- 29) The Director, IT, Vydyuthi Bhavanam, Thiruvananthapuram.
- 30) The Joint Director, Regional IT Unit, Kochi
- 31) The Joint Director, Regional IT Unit, Kozhikode.
- 32) TA to Member (Distribution & Generation-Electrical)
- 33) TA to Member (Transmission & System Operation).
- 34) The Finance Officer, Transmission Circle, Nallalam, Kozhikode.

Note:- The Consignees should submit the certified and passed invoices of the UPSs received to the Paying Authority within 30 days from the date of completion of successful supply and installation.

Annexure - I

SCHEDULE OF PRICE AND LIST OF MATERIALS ACCEPTED TO BE SUPPLIED WITH 3 YEAR WARRANTY FOR UPS AND BATTERY

Sl. No.	Specification	Qty. (Nos.)	Unit Basic Price (Supply) (₹)	ED (₹)	Cess on ED (₹)	ST@ (Rs.)	VAT@ 5% (₹)	Freight Charge (₹)	Transit cum one month storage insurance charges	Other taxes if any (₹)	All inclusive unit rate (₹)	Net Total all inclusive rate (₹)
1)	600VA UPS	527	2620	0	0	0	131	100	20	0	2871	1513017
1)	3kVA UPS	9	60500	0	0	0	3025	900	100	0	64525	580725
												2093742

Total Amount = Rs.20,93,742/- (Rupees Twenty Lakh Ninety Three Thousand Seven Hundred and Forty Two only)

AMC:-

Sl. No.	Item Specification	Make	Qty. (Nos.)	Rate Annual (₹)	Amount for 3 years (₹)	Amount for 3 years for total qty. (₹)
1)	3kVA Online UPS	Igatech	9	4900	14700	1,32,300

Remarks: - Service Tax @ 12.36% is inclusive)

Sd/-
J.Baburaj
CHIEF ENGINEER

SPECIAL INSTRUCTIONS

1. **Scope:-** Scope of the order shall include Supply, Installation, Testing, Commissioning and Maintenance of 527Nos. 600VA Offline UPS (Warranty for 3 years) and 9Nos. 3kVA Online UPS (including warranty for three years and continued AMC for next three years) as detailed in the Technical particulars under single source responsibility. All accessories necessary for the Commissioning, Operation and Maintenance of the UPS in the various offices (except Furniture and KSEB Mains power supply at a distance of below 1m from the location of installation) are also deemed to be included in the scope of supply without any additional cost to the Board. License fee, if any for the software other than mentioned in the tender which may be required to operate the equipments shall be to the supplier's account along with any installation charge.
2. **Contract Agreement:-** Copy of order attached shall be returned duly acknowledged on all pages under your common seal in token of acceptance immediately on receipt of this order and shall execute the Contract Agreement in the format enclosed (Annexure-I) in stamp paper worth Rs.100/- within fifteen days from date of receipt of this order along with the Security deposit.
3. **Security Deposit:-** An amount of **₹1,04,700/-** (Rupees One Lakh Four Thousand and Seven Hundred only) has to be deposited as security deposit. This can be in the form of Demand draft drawn in favour of Chief Engineer (SCM), K.S.E.Board payable at Thiruvananthapuram or Bank Guarantee from a scheduled Bank other than Indus Ind Bank having branches in Thiruvananthapuram or Kerala State, in the prescribed form (Annexure-II) with a validity period of 3 years and three months from the date of purchase order and three years and three months thereafter. The security deposit will be released after the successful completion of the Contract period and receipt of Non Liability Certificate from the consignees.
4. **Guaranteed Technical Particulars:-** Specification of items to be supplied, installed and commissioned at the various sites are as given below.

Sl.No.	Description	Specification	Quantity (Nos.)
1)	600VA Offline UPS		527 Nos.
	Make & Model	IGATECH, IG600	
	Brand Name	IGA TECH	
	Manufacturer	IGA TECH	
	Capacity	600 VA	
	Back up	10 minutes	
	Technology	MOSFET	
	Control Module	PWM	
	Output Voltage	230 V	
	Output Frequency	50 Hz +/-0.5Hz	
	Efficiency at FI	85%	
	Battery type	SMF	
	Battery make overload	Internal 7 AH battery	
	Protection	Over/ Under voltage, low battery, overload	
	Monitoring	RS 232, Capable for DOS/ Windows	
	Indicators	Mains battery mode	
2)	3kVA Online UPS		9 Nos.
	Make / Model	IGATECH/ IGASATURN3KS	
	Capacity	3000VA/2100W or above	
	Backup	1 hour in full load condition	
	Technology	True Online Double conversion	
	Control Module	Digital Signal Processor based	
	Rectifier & Inverter	IGBT based module	
	Input Voltage	160-270V AC for 100% load and 120-270V AC for 40% load	

	Input frequency	50Hz +/-5%	
	Input PF	>0.95 at any load	
	Nominal Output Voltage	230V Single Phase, Sine Wave	
	Output Voltage Distortion	<3% linear, <5% non linear voltage regulation +/- 2%	
	Output frequency	50Hz +/- 3Hz on mains synchronized, 50Hz +/- 0.2% unsynchronized	
	Bypass	Automatic	
	Efficiency at full load	Minimum 90% overall	
	Battery type	SMF battery – 8Nos of 42AH*12V or equivalent VAH with battery rack and connecting cables.	
	Overload	125% for 1 minute, 150% for 30 seconds	
	Protection	Short Circuit, Overload, Battery deep discharge, Input over voltage, DC Bus low	
	Monitoring	Input Voltage, Output Voltage, Input Current, Output Current, Battery Voltage, Temperature	
	Indicators	On Mains, On battery, Low Battery, Bypass status, UPS fault.	
	Control Panel	On/ Self – test, alarm silence, cold start	
	Audible Alarm	Battery low, UPS failure, On battery.	
	Communication	USB Port/ RS232 serial port to be provided with bundled software.	
	SNMP enabled	SNMP feature to be made available on UPS which could be procured at an additional cost.	
	Management Software	Management Software for Safe automatic shutdown	
	Certification	ISO:9001	
	Warranty	3 Years (including Battery)	

5. Delivery Installation & Commissioning:- The UPS are to be delivered and installed within the stipulated time at the locations given in Consignee List. Advance intimation should be given to the consignee before delivery. The delivery plan and details shall be intimated to the Office of the Chief Engineer (SCM) well in advance. The contractor shall be liable to complete all deliveries, installation and commissioning of the item supplied within the stipulated period from the date of purchase order. If the installation is delayed due to any problem with the supplier, the date of successful installation will be treated as the delivery date and liquidated damage charges if any will be charged accordingly.

6. Delivery Period:- The materials shall be supplied, installed and commissioned as per the conditions of the contract.

The supply, installation and commissioning of Online UPS shall commence within **45 days** from the date of the Purchase Order and completed within 90 days from the date of Purchase Order.

7. **Liquidated Damages / Penalty:-** The quantity ordered shall be completed as specified in the Delivery schedule (Clause.6) to the consignees specified. Hence materials delivered after the stipulated dates, if accepted, will be only with imposition of penalty at the rate of one percent for every month of delay subject to a maximum of ten percent on the value of materials supplied belatedly. Penalty is applicable for belated replacement of materials rejected also as stated above.

For calculation of penalty, period less than fifteen days will not be counted and delay of fifteen days and above will be counted as one month. In the event of non supply of the total quantity before due date, Board reserves the right to terminate the contract to the extent of the quantity remaining undelivered, at the risk and cost of the supplier. In case Board accept belated supply after completion period of contract this will be regulated as per clause '29' (Price refixation).

8. **Payment Terms:-** 90% Basic price with 100% taxes & duties and Freight & insurance will be paid through Board funds in due course on SBI or its subsidiaries after receipt, verification and acceptance by the consignee. Taxes and duties will be admitted at actuals on production of documentary evidence.

Payment will be made from the Office of the Chief Engineer (SCM), Vidyuthi Bhavanam, Thiruvananthapuram. The bills will be passed and forwarded to Chief Engineer (SCM)'s office within 10 days after commissioning of the UPS. The ARUs concerned will collect all the bills under his/her control and forward to Chief Engineer (SCM) as a single lot by registered post.

In case the documentary proof for remittance of service tax against freight charges is not made available the following shall be produced before the consignee.

- a) A certificate issued by a practicing Chartered Accountant showing invoice vice details of remittance of service taxes against freight charges.
- b) An undertaking in Kerala stamp paper worth Rs.100/- shall be furnished by the contractor to the effect that the contractor shall be liable to pay the service taxes if any claimed by the concerned authorities.

Also in case the documentary proof for remittance of taxes & duties are not made available, the following shall be produced before the consignee for effecting the payment of the same.

- a) Copy of e-return filed, for Proof of payment of tax.
- b) Certificate giving invoice vice details of taxes & duties from the Chartered Accountant as a documentary proof of payment of taxes.
- c) An undertaking from the supplier **"if any dispute on payment of taxes and duties from concerned tax authorities occurs in future, the firm shall indemnify the Board from such liabilities and the supplier will be made liable for the additions, loss or cost on account of such discrepancies/ dispute"**.

Balance 10% will be paid after completion of warrantee period or on production of Bank Guarantee from a Nationalised / scheduled Bank **except Indus Ind Bank Ltd** for amount equivalent to 10% of contract value valid for entire guarantee period from the date of supply, the 10% amount will be released. Bank charges, if any, incurred in connection with effecting payments will be to the supplier's account. Board has all liberty to change the type of payment depending on the prevailing condition. **The final payment will be made only on production of an undertaking by the supplier/contractor that all taxes and duties payable to Central/State Government Departments/Agencies due to this supply/contract have been paid by him and if any claim is received in future from any Central/State Department/Agencies under existing laws regarding this supply/contract, the supplier/contractor shall be liable to pay the same.**

9. Performance guarantee:-

1) The offer shall be inclusive of a comprehensive onsite warranty for the 3 (three) years and subsequent three year Annual Maintenance Contract (AMC) period (if AMC agreement executed) for all the items from the date of commissioning. The supplier shall maintain systems and peripherals supplied and installed under this contract in accordance with the provisions laid down in the clauses below during the above period.

2) Scope and Services Covered under performance Guarantee and AMC:- The supplier shall provide the following services under the performance guarantee and AMC to keep the Online UPS in good working order

a) Un scheduled on call corrective and remedial maintenance service to set right the malfunctioning of the system. This includes replacement of unserviceable parts. The parts replaced will either be new parts or equivalent in performance to new parts. In the case of a part, the defective part removed from the system will become the property of the supplier.

b) Scheduled preventive maintenance (PM) shall be carried out **once in Three Months** for all **Online UPS** as detailed in **Annexure-IV**. The supplier should submit the call sheets/ PM reports as in **Annexure-IV** to respective Engineers. In case the supplier fails to submit PM reports, a penalty prescribed in clause '3' -D below will be levied for the period so delayed. Preventive maintenance can be clubbed with corrective maintenance.

3) Downtime Penalty:-

- (a) Downtime penalty will be charged for completing the calls after the time allowed viz., 48 hours excluding holidays.
- (b) This shall be calculated yearly and the downtime penalty already charged during that year on account of clause (A) above shall be deducted from the downtime penalty so calculated.
- (c) Downtime penalty shall be settled every year failing which the amount due to the Board is liable to be realised from the Bank Guarantee furnished by the supplier.
- (d) Penalty for non performance of Preventive Maintenance will be ₹100/- per week for each online UPS.

The Down Time Penalty will be as under

For UPS - ₹50/- per day

4) Terms of Performance Guarantee and Annual Maintenance Contract (AMC)

- a) Other hardware purchased from the supplier or any other vendor and integrated into the existing warranty system, will be included in the Warranty with the supplier as soon as the warranty of the purchased item expires This will be done through an Addendum to this contract signed by KSEB and the supplier. The new hardware may be inspected by the contractor if it is procured from other sources. In case KSEB decides to withdraw any equipment from contract during the warranty / AMC period, the same will be taken out of this contract with written information to the supplier.
- b) If the User is not able to hand over the system to the supplier's engineer for maintenance purpose, such time will not be considered for the down time penalty.
- c) In case of intermittent failures and repetitive problems due to improper diagnosis or repair, the system will be treated as continuously down.
- d) The supplier is not liable for problems arising out of break down or services or spares cost, arising out of damages caused due to fire, theft, riots, accidents, earthquakes, storm and other natural calamities.
- e) The UPS Batteries are included in the warranty for three years.
- f) At each location, K.S.E.Board will keep a System Maintenance Register, which is a record of machine failure including the nature of failure, date and time of booking the complaint, when the machine was put back in to service and the total down time. This record will be signed by the supplier's Service Engineer and KSEB Engineer. Format for keeping this record will be as per the **Annexure-V**.

- g) **Call Registration And Completion:-** All the maintenance calls will be logged using the System Maintenance Register. Also, they may be registered with the nearest supplier's office. The supplier shall acknowledge each call with a unique Call number, which is to be used for reference in future. A call service slip may be made for each call. The Call service slip shall contain the following details: call number, reported problem, affected items, date and time of call reporting, date and time of call attending, date and time of call completion, down time in days/hrs, fault diagnosed, repairs carried out, components replaced etc. Completion of calls will be certified by an Assistant Engineer or by a nominee. The supplier shall prepare the call service slips in duplicate. These will be signed by KSEB Engineer & the supplier. One copy will be given to the user and one copy will be retained by the supplier. No other documents will be used to workout downtime for penalty calculation. The entries in the System Maintenance Register may also be completed based on the entries of the Call service slip after closing the call.

A provision of a common telephone number with a minimum of 5 lines is to be provided by the supplier for making calls to register complaints and getting token numbers for the same at the time of complaint registration. All calls received should be registered in a portal, which can be accessed by K.S.E.Board with facility to generate reports of down time of all complaints. The details of closing a call will be entered by the supplier. These entries shall be based on the call service slip signed by the KSEB engineer of the section office and the service engineer of the supplier with date and time.

- h) KSEB personnel will be responsible for operating the systems and peripherals. During the period of warranty and AMC, KSEB will restrict to operational activities only and will not repair any equipment.
- i) Whenever the Online UPS cannot be repaired on site within the specified time limits, the vendor will have to provide an alternate equipment of matching specification of the equipment supplied under the contract. This shall be replaced within the period of **maximum 30 days** with the same equipment after repair or with an equipment of same or better model of the equipment supplied under the contract. All such replaced equipments will also come under the clauses of the existing Performance Guarantee.
- j) **Force Majeure:-** The supplier shall not be liable or deemed to be default of any delay or failure in performance stated herein resulting directly or indirectly from causes beyond his reasonable control. If the supplier is prevented from performing its function under the instrument for a period longer than six months, the supplier's liability ceases. Then both the parties shall discuss the course of action to be taken afterwards.
- k) **Annual Maintenance Contract (AMC):-** 3kVA Online UPS purchased from the supplier will be included in three years AMC as soon as three years warranty expires if K.S.E.Board desires so. Rates (annual) for the AMC for three years after the expiry of warranty period shall be as per the rates given in the Price Schedule. This will be done through an agreement. AMC Agreement shall be executed by the consignees/ ARU Heads.
- l) The Annual Maintenance Contract will be comprehensive and cover the cost of all the spare parts required for replacement/repair the Online UPS. The AMC shall be on regular basis to ensure the minimum down time of the system.
- m) **Payment for AMC:-** The payment will be released yearly. The supplier will submit yearly bill along with the downtime statement within one week of completion of the year to the paying authority along with certified monthly downtime statements of the custodian officers. The Paying authority will reconcile this and release the payment. In case penalty exceeds AMC amount the excess amount will be adjusted in the next year bill or the Security Deposit.
- n) The purchaser has the right to terminate the AMC at any time after giving one months notice and in case of such termination, the supplier shall not be entitled to claim any compensation.

- o) If the supplier fails to execute the AMC Agreement and carryout AMC works after the expiry of the Guarantee period, the maintenance of the Online UPS will be arranged through other agencies at risk and cost of the supplier and their Security Deposit forfeited.
- 10. Penalty:-** In case the supplier could not supply as per the agreement within the specified delivery period penalty will be charged @1% per month of the balance contract to be performed subject to a maximum of 10%. In case the contract is not completely and satisfactorily performed, K.S.E.Board has the right to terminate the contract at the risk and cost of the contractor and forfeit the Security Deposit.
- 11. Training:-**The supplier shall arrange training for the system supervisors/ Engineers to familiarize them with the equipments. This will enable a smooth take over of the equipment at the time of supply as well as ensure better maintenance of the system during the contract period.
- 12. License:-** The licenses of any software required for the operation should be in the name of Kerala State Electricity Board and valid for the entire warranty and AMC period.
- 13. UPS Maintenance Register:-** At each location, KSEB will keep a UPS Maintenance Register (at mutually agreed location) which is a record of machine failure including nature of failure, date and time of booking the complaint, when the machine was put back into service and the total down time. This record will be signed by the supplier's Service Engineer and K.S.E.Board Officer. Format for keeping this record will be as per Annexure-V.
- 14. Consignee:-** The consignees for the system and accessories are given as a List. The delivery should be made at the location and installation carried out as per delivery schedule mentioned above.
- 15. Taxes and Duties:-** The price is inclusive of all taxes and duties. If there is any reduction in the percentage on the rate of Taxes the same should be passed on to the Board. Any increase in taxes within the scheduled delivery period on account of change in policy decisions of Government during the period of contract will be to Board's account. The documents relating to the percentage of Taxes should be presented along with the invoice and will be reimbursed only on production of documentary evidence. As you have not quoted the Excise duty, Excise duty will not be paid on any account.
- 16. Transport and handling:-** The expenses for transporting the items to various locations including loading and unloading charges, handling at the locations etc. will be to the suppliers account. Service tax if any applicable in the freight charge will be to the suppliers account
- 17. Insurance:-** The items to be supplied should be insured for transit and handling including handling at the locations at the suppliers expense till the installation, testing and commissioning of the UPS.
- 18. Change of Ownership:-** The obligation of the Supplier Company/firm under this contract shall not cease even if the ownership changes. The successor in interest or transferee shall have the obligation to perform the contract.
- 19. Replacement of Rejected Materials:-** Rejected materials will have to be replaced by the Supplier within 30days from the date of intimation by the consignee. If the replacement is not effected within the above period, the rejected materials should be taken back within a maximum period of 4 months from the date of intimation of rejection by the consignee officer, failing which the Board will be at liberty to dispose off the rejected material without any notice. No claims by the supplier will be entertained on account of disposal. K.S.E.Board also reserves the right to recover from the concerned supplier any loss sustained by the Board due to delay in clearing the rejected materials.
- 20. Pre Despatch Inspection and Testing:-**The Board reserves its right to inspect and approve the materials before despatch. All facilities should be rendered for the Board's representatives or inspecting the materials. All tests as prescribed in the relevant standards as applicable have to be conducted in his presence. Advance information regarding readiness of goods for inspection and the date of inspection and testing shall be given to the Chief Engineer (SCM) immediately when each consignment or lot is ready for despatch.
- 21. Force Majeure Conditions:-** The Supplier will not be liable for any liquidated damages for such delay due to force maejure conditions such as acts of God,

acts of Public enemy, acts of Government, Fire, Floods, epidemics, quarantine restrictions, riots, civil commotion and freight embargo provided that you notify (within 10 days from the beginning of such delay due to force majeure condition) with valid proof for force majeure conditions. The Board will verify the facts on merits and grant suitable extension of delivery period if facts justify. If the supplier is prevented from performing its function under the instrument for a period longer than six months, then the suppliers liability ceases. Then both parties shall discuss the course of action to be taken afterwards.

- 22. Recovery:-** Any sum of money due and payable to the Board arising out of this contract or under any other contract made by the supplier with the purchaser may be appropriated by the purchaser and set off against the pending payments of the present contract.
- 23. Termination:-** The purchaser without prejudice to the conditions laid in the general conditions of contract may terminate this contract, if the supplier fails to commence the supply within the stipulated time or fails to perform any other obligations under this contract or does not rectify the defects/ failure within a period allowed by the purchaser after the receipt of the default notice from the purchaser. Where due to any default of Contractor in the evaluation of Contract, the Board makes purchases on open market or after negotiation or after inviting fresh tender and settling with any of such tenders, as per the description of the Board or its officers invested with powers to enter into such contracts, the contractor will be liable to pay the Board, the extra costs incurred by the Board and all other expenses defrayed.
- 24. Corrections and Omissions:-** Specification, quantities, prices etc. noted in the schedule are subject to correction. Errors or omissions, if any will be intimated to or by the contractor within ten days from the date of this order.
- 25. Warranty of Performance:-** The UPS and Battery as per this order shall be warranted for satisfactory performance for a period of 3 years from the date of acceptance by the consignees. The Supplier shall execute a performance bank guarantee equivalent to 10% of the order value. The bank guarantee shall be valid for 3 years and three months from the date of purchase order and three years and three months thereafter if AMC agreement is executed after the successful installation of all systems.
- 26. Packing and Despatch:-** The materials shall be suitably packed in order to avoid damages or disturbance during transit or handling. The packing case may be marked to indicate the fragile nature of the contents. The following information shall be furnished with the consignment.
- a) Name of Consignee.
 - b) Details of consignment.
 - c) Destination.
 - d) Total weight of consignment .
 - e) Sign showing upper/lower side of the item.
 - f) Sign showing the fragility of the material.
 - g) Bill of material indicating the contents of each package.
- The packages should be marked CE(SCM)/KSEB/TA.31/SCM.85/2013-14/
Igatech
- 28. Branding:-** The following identification details shall be marked on each UPS supplied.
- 1) Serial no. (shall be unique).
 - 2) P.O.No.SCM.85/2013-14/ dated 10/12/2013 of the Chief Engineer (SCM).
 - 3) Warranty for UPS & Battery – 3 years.
 - 4) Name and Address of Supplier.
 - 5) Contact no. of Service Personnel and Firm.
- 29. Price Refixation:-** The materials if any, supplied after the scheduled delivery period noted in the order will be accepted only on condition that price of such materials will be refixed taking into consideration the rate of new tender/ Purchase Order of such materials on the date of actual supply, the rate as per

the contractual delivery period or at the basic price as per this order, whichever is lower. The Chief Engineer's decision in refixing the price will be final. For applying price refixation, the date of opening of price bids of the new tender shall be treated as the effective date. Refixation shall be done on the basic prices only when there is a fall in price noticed in the basic price of the materials with same specifications supplied and accepted by the Board on the subsequent Purchase Order.

- 30. Quantity Variation:-** Purchase Order for an additional quantity up to 25% over and above the original ordered or tendered quantity will be placed if the supplier is willing to supply the additional quantity at the same rates, terms and conditions of the original order and also accepts the Board's refixation clause, viz. The materials if any, supplied after the scheduled delivery period noted in the order will be accepted only on condition that price of such materials will be refixed taking into consideration the rate of new tender/ Purchase Order of such materials on the date of actual supply, the rate as per the contractual delivery period or at the basic price as per this order, whichever is lower. The Chief Engineer's decision in refixing the price will be final. For applying price refixation, the date of opening of price bids of the new tender shall be treated as the effective date. Refixation shall be done on the basic prices only when there is a fall in price noticed in the basic price of the materials with same specifications supplied and accepted by the Board on the subsequent Purchase Order. However the rate will be re-fixed if a fall in price occurs in the next tender invited during the delivery schedule fixed for the additional quantity.
- 31. Invoices:-** Invoice in quintuplicate should be drawn and forwarded to the consignees.
- 32. Jurisdiction:-** Even though the supply and installation is to be arranged in different locations of the State, the courts situated at the place where the Headquarters of the Board is situated viz. Thiruvananthapuram alone will have jurisdiction to entertain civil suits and legal proceedings pertaining to this contract.

Sd/-
J.Baburaj
CHIEF ENGINEER

Ba\3.12.13
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Annexure – III

List of Consignee Officers along with ARUs and Schedule of item to be supplied and installed

Supply, Installation, Testing and Commissioning of 527Nos offline UPS and 9Nos. 3KVA Online UPS as per the tender in the following locations.

Sl. No	Consignee Offices	600VA UPS	3kVA UPS	ARUs
1) Offices under Distribution Wing				
1)	DA Maintenance Sub Division, Power House, Thiruvananthapuram.	6	0	Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram(Ur)
2)	CGRF, Kozhikode	1	0	Deputy Chief Engineer, Electrical Circle, Kozhikode
	Total	7	0	
2) Offices under Transmission Wing & Generation Operation.				
1)	O/o the Member (Transmission & Generation Operation), Vidyuthi Bhavanam, Thiruvananthapuram	2	0	Secretary, KSEB, VB, TVM.
2)	Line Maintenance Sub Division, Alappuzha	1	0	Deputy Chief Engineer, Transmission Circle, Alappuzha
3)	Transmission Sub Division, Pathanamthitta, Thiruvalla, Kozhenchery, Moozhiyar under Transmission Division, Pathanamthitta	4		Deputy Chief Engineer, Transmission Circle, Pathanamthitta
4)	Line Maintenance Sub Division, Mylatti, Substation Sub Division, Mylatti, Substation Sub Division, Kasaragod, under Transmission Circle, Kannur	3		Deputy Chief Engineer, Transmission Circle, Kannur
5)	Transmission Sub Division, Thodupuzha, Substation Sub Division, Vazhathoppe, LM Sub Division, Moolamattom, Transmission Division, Kothamangalam	4		Deputy Chief Engineer, Transmission Circle, Kothamangalam
6)	Transmission Sub Division, Power House, Thiruvananthapuram	1		Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
7)	Office of the Chief Engineer (Generation), Moolamattom.	3		Chief Engineer (Generation), Moolamattom.
8)	TC Section, Aluva under Transmission Circle, Kalamassery.	1		Deputy Chief Engineer, Transmission Circle, Kalamassery.
9)	Operational & Control Wing, KDPP, Kozhikode	2		Project Manager, KDPP, Kozhikode.
10)	Generating Station & Switchyard, Moolamattom	2		Deputy Chief Engineer, Generation Circle, Moolamattom
11)	Erection Sub Division, Pallivasal Extension Scheme	1		Deputy Chief Engineer, Civil Circle, Meencut
12)	Generation Circle, Thrissur	4		Deputy Chief Engineer, Generation Circle, Thrissur
13)	Office of the Director-IT			Secretary, KSEB, VB, TVM.
14)	Generation Division, Kallarkutty	1		Deputy Chief Engineer, Generation Circle, Meencut
	Total	29	0	

3) Under Corporate Offices				
1)	APTS, Thiruvananthapuram			Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram (U)
2)	APTS, Kottayam			Deputy Chief Engineer, Electrical Circle, Kottayam
3)	APTS, Central Region, Aluva	1		Deputy Chief Engineer, Electrical Circle, Perumbavoor
4)	APTS, Ernakulam	1		Deputy Chief Engineer, Electrical Circle, Ernakulam.
5)	APTS, Palakkad	1		Deputy Chief Engineer, Electrical Circle, Palakkad
6)	APTS, Vazhathoppe			Deputy Chief Engineer, Electrical Circle, Thodupuzha
7)	APTS, Kasaragod	1		Deputy Chief Engineer, Electrical Circle, Kasaragod
8)	APTS, Kozhikode	1		Deputy Chief Engineer, Electrical Circle, Kozhikode.
9)	APTS, Kalpetta			Deputy Chief Engineer, Electrical Circle, Kalpetta
10)	Superintendent of Police, Vigilance Wing, Vydyuthi Bhavanam, Thiruvananthapuram.	1		Secretary, KSEB, VB, TVM.
1i)	Joint Secretary (Law), Board Secretariat, Vydyuthi Bhavanam, Thiruvananthapuram	1		Secretary, KSEB, VB, TVM.
12)	Project Manager (Wind Energy), O/o the Chief Engineer (Corporate Planning), Vydyuthi Bhavanam, Thiruvananthapuram	1		Secretary, KSEB, VB, TVM.
13)	RPTI, Chackai	2		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram(Ur)
14)	Technical Vigilance Cell under O/o the Chief Vigilance Officer, Vydyuthi Bhavanam, Thiruvananthapuram	3		Secretary, KSEB, VB, TVM.
15)	Offices under Chief Internal Auditor, Vydyuthi Bhavanam, Pattom, Thiruvananthapuram			Secretary, KSEB, VB, TVM.
	SOR Audit Section	1		Secretary, KSEB, VB, TVM.
	Pension Audit Section, Vydyuthi Bhavanam, Pattom, Thiruvananthapuram	2		Secretary, KSEB, VB, TVM.
	GAD/ EAD Audit Section, Vydyuthi Bhavanam, Pattom, Thiruvananthapuram	2		Secretary, KSEB, VB, TVM.
	Audit Monitoring Cell, Vydyuthi Bhavanam, Pattom, Thiruvananthapuram	1		Secretary, KSEB, VB, TVM.
	RCA Section, Vydyuthi Bhavanam, Pattom, Thiruvananthapuram	1		Secretary, KSEB, VB, TVM.
	Total	20		

4) Various Offices for Generation Projects				
1)	Chief Engineer (Civil-I&P)			
	Office –Chief Engineer (Civil-I&P)	2		Chief Engineer (HRM)
	Investigation Circle, Thrissur	2		Investigation Circle, Thrissur
	Investigation Division, Kozhikode	1		
	Investigation Division, Thrissur	2		
	Investigation Division, Padinjarethara	-		
	Investigation Division, Munnar	1		
	Investigation Division, Konni	1		
	Total –CE(C-I&P)	9		
2)	Deputy Chief Engineer in full charge of Chief Engineer (CC) North			
	Office – Chief Engineer (CC) North	5		Civil Circle, Kozhikode
	Design Cell, Kozhikode	3		
	Poozhithode & Peruvannamuzhy SHEP	1		
	Barapole SHEP	1		
	Vilangar SHEP	1		
	Chathankollunada II SHEP	1		
	KA Division/ Chembukadavu II SHEP	1		
	Mech. Facility 2, Kozhikode	1		
	Total –CE(CC)North	14		
3)	Chief Engineer (CC) South			
	Office – Chief Engineer (CC)South	4		Chief Engineer (HRM)
	Civil Circle, Pallom	2		Civil Circle, Pallom
	CM Facility, Pallom	2		Civil Circle, Pallom
	B&S Division, Angamaly	2		B&S Division, Angamaly
	Anakkayam SHEP	2		Civil Circle, Kothamangalam
	Account Closing Unit, Kottarakkara	1		Chief Engineer (HRM)
	Poringalkuthu SHEP	1		Investigation Circle, Thrissur
	Peechi & Chimony	1		Investigation Circle, Thrissur
	Erection Sub Division, Peechi	1		Investigation Circle, Thrissur
	Civil Division, Thiruvananthapuram	2		Chief Engineer (HRM)
	Vellathooval & Chinnar SHEP	2		Civil Circle, Meencut
	Perumthenaruvi SHEP	2		Civil Circle, Pallom
	Total – CE(CC)South	22		
4)	Deputy Chief Engineer with Full Powers of Chief Engineer, Civil Circle, Kothamangalam			
	Civil Circle, Kothamangalam	7		Civil Circle, Kothamangalam
	Project Manager, Sengulam, Augmentation	1		
	Project Manager, Mankulam	1		
	Project Manager, Upper Kallar, Peechad & Western Kallar	1		
	Total	10		
	Deputy Chief Engineer (Designs) with Full Powers of Chief Engineer, Thiruvananthapuram	5		Chief Engineer (HRM)
	Total	5		
	Grand Total	60		

Other requirements				
	Training Centers			
5)	PETARC, Moolamattom	1	1	Deputy Chief Engineer, Generation Circle, Moolamattom
6)	RPTI TVPM	0	1	Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram(Ur)
7)	RPTI Kottayam	0	2	Deputy Chief Engineer, Electrical Circle, Kottayam
8)	RPTI Thrissur	0	2	Deputy Chief Engineer, Electrical Circle, Thrissur
9)	RPTI Kozhikode	0	2	Deputy Chief Engineer, Electrical Circle, Kozhikode.
10)	SRCTC, Vydyuthi Bhavanam, Thiruvananthapuram	0	1	Chief Engineer (HRM), Vydyuthi Bhavanam, Thiruvananthapuram
11)	Dy.SP, Vigilance Wing, Vydyuthi Bhavanam, Thiruvananthapuram.	2	0	Secretary, K.S.E.Board
12)	Chief Engineer (Commercial & Tariff), Vydyuthi Bhavanam, Thiruvananthapuram	1	0	
13)	Resident Audit Office, O/o the AG, Vydyuthi Bhavanam,	3	0	
14)	Dy.Chief Engineer (HRM - I), Vydyuthi Bhavanam, Thiruvananthapuram	16	0	Chief Engineer (HRM), Vydyuthi Bhavanam, Thiruvananthapuram
15)	Regional IT Unit, Kozhikode	1	0	Deputy Chief Engineer, Electrical Circle, Kozhikode.
	Total	24	9	
16)	129 ARUs for HRIS			
1)	Brahmapuram Diesel Power Plant, (BDPP) Ernakulam	3		Team Leader & Principal Project Co-ordinator, BDPP, Ernakulam.
2)	B & S Division, Angamaly	3		Executive Engineer, B & S Division, Angamaly
3)	CE Distribution Central, Ernakulam	3		CE Distribution Central, Ernakulam
4)	CE Distribution North, Kozhikode	3		CE Distribution North, Kozhikode
5)	CE Distribution South, Thiruvananthapuram	3		CE Distribution South, Thiruvananthapuram
6)	CE (HRM), Vydyuthi Bhavanam, Thiruvananthapuram	3		CE (HRM), Vydyuthi Bhavanam, Thiruvananthapuram
7)	CE Transmission North, Kozhikode	3		CE Transmission North, Kozhikode
8)	Civil Circle, Kakkayam	3		Deputy Chief Engineer, Civil Circle, Kakkayam
9)	Civil Circle, Kothamangalam	3		Deputy Chief Engineer, Civil Circle, Kothamangalam
10)	Civil Circle, Kozhikode	3		Deputy Chief Engineer, Civil Circle, Kozhikode
11)	Civil Circle Meencut	3		Deputy Chief Engineer, Civil Circle Meencut
12)	Civil Circle, Pallom	3		Deputy Chief Engineer, Civil Circle, Pallom
13)	Electrical Circle, Alapuzha	3		Deputy Chief Engineer Electrical Circle, Alapuzha
14)	Electrical Circle, Ernakulam	3		Deputy Chief Engineer, Electrical Circle, Ernakulam
15)	Electrical Circle, Irinjalakuda	3		Deputy Chief Engineer Electrical Circle, Irinjalakuda
16)	Electrical Circle, Kalpetta	3		Deputy Chief Engineer, Electrical Circle, Kalpetta

17)	Electrical Circle, Kannur	3		Deputy Chief Engineer, Electrical Circle, Kannur
18)	Electrical Circle, Kasargod	3		Deputy Chief Engineer, Electrical Circle, Kasargod
19)	Electrical Circle, Kattakada (TVM Rural)	3		Deputy Chief Engineer, Electrical Circle, Kattakada (TVM Rural)
20)	Electrical Circle, Kollam	3		Deputy Chief Engineer, Electrical Circle, Kollam
21)	Electrical Circle, Kottarakkara	3		Deputy Chief Engineer, Electrical Circle, Kottarakkara
22)	Electrical Circle, Kottayam	3		Deputy Chief Engineer, Electrical Circle, Kottayam
23)	Electrical Circle, Kozhikode	3		Deputy Chief Engineer, Electrical Circle, Kozhikode
24)	Electrical Circle, Manjeri	3		Deputy Chief Engineer, Electrical Circle, Manjeri
25)	Electrical Circle, Pala	3		Deputy Chief Engineer, Electrical Circle, Pala
26)	Electrical Circle, Palakkad	3		Deputy Chief Engineer, Electrical Circle, Palakkad
27)	Electrical Circle, Pathanamthitta	3		Deputy Chief Engineer, Electrical Circle, Pathanamthitta
28)	Electrical Circle, Perumbavoor	3		Deputy Chief Engineer, Electrical Circle, Perumbavoor
29)	Electrical Circle, Shornur	3		Deputy Chief Engineer, Electrical Circle, Shornur
30)	Electrical Circle, Sreekandapuram	3		Deputy Chief Engineer, Electrical Circle, Sreekandapuram
31)	Electrical Circle, Thiruvananthapuram Urban	3		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram Urban
32)	Electrical Circle, Thodupuzha	3		Deputy Chief Engineer, Electrical Circle, Thodupuzha
33)	Electrical Circle, Thrissur	3		Deputy Chief Engineer, Electrical Circle, Thrissur
34)	Electrical Circle, Tirur	3		Deputy Chief Engineer, Electrical Circle, Tirur
35)	Electrical Circle, Vadakara	3		Deputy Chief Engineer, Electrical Circle, Vadakara
36)	Electrical Division, Adimaly	3		Deputy Chief Engineer, Electrical Circle, Thodupuzha
37)	Electrical Division, Adoor	3		Deputy Chief Engineer, Electrical Circle, Pathanamthitta
38)	Electrical Division, Alapuzha	3		Deputy Chief Engineer, Electrical Circle, Alapuzha
39)	Electrical Division, Alathur	3		Deputy Chief Engineer, Electrical Circle, Palakkad
40)	Electrical Division, Aluva	3		Deputy Chief Engineer, Electrical Circle, Perumbavoor
41)	Electrical Division, Attingal	3		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram (U).
42)	Electrical Division, Balussery	3		Deputy Chief Engineer, Electrical Circle, Kozhikode
43)	Electrical Division, Chalakudy	3		Deputy Chief Engineer, Electrical Circle, Irinjalakuda
44)	Electrical Division, Changanassery	3		Deputy Chief Engineer, Electrical Circle, Kottayam
45)	Electrical Division, Chathannur	3		Deputy Chief Engineer, Electrical Circle, Kollam

46)	Electrical Division, Chengannur	3		Deputy Chief Engineer, Electrical Circle, Alapuzha
47)	Electrical Division, Cherthala	3		Deputy Chief Engineer, Electrical Circle, Alapuzha
48)	Electrical Division, Chittur	3		Deputy Chief Engineer, Electrical Circle, Palakkad
49)	Electrical Division, Ernakulam	3		Deputy Chief Engineer, Electrical Circle, Ernakulam
50)	Electrical Division, Feroke	3		Deputy Chief Engineer, Electrical Circle, Kozhikode
51)	Electrical Division Haripad	3		Deputy Chief Engineer, Electrical Circle, Alappuzha
52)	Electrical Division, Irinjalakuda	3		Deputy Chief Engineer, Electrical Circle, Irinjalakuda
53)	Electrical Division, Iritty	3		Deputy Chief Engineer, Electrical Circle, Sreekandapuram
54)	Electrical Division, Kalpetta	3		Deputy Chief Engineer, Electrical Circle, Kalpetta
55)	Electrical Division, Kanhangad	3		Deputy Chief Engineer, Electrical Circle, Kasargod
56)	Electrical Division, Kannur	3		Deputy Chief Engineer, Electrical Circle, Kannur
57)	Electrical Division, Karunagappally	3		Deputy Chief Engineer, Electrical Circle, Kollam
58)	Electrical Division, Kasargod	3		Deputy Chief Engineer, Electrical Circle, Kasargod
59)	Electrical Division, Kattappana	3		Deputy Chief Engineer, Electrical Circle, Thodupuzha
60)	Electrical Division, Kazhakuttam	3		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram (U)
61)	Electrical Division, Kodungallur	3		Deputy Chief Engineer, Electrical Circle, Irinjalakuda
62)	Electrical Division, Kollam	3		Deputy Chief Engineer, Electrical Circle, Kollam
63)	Electrical Division, Kottarakkara	3		Deputy Chief Engineer, Electrical Circle, Kottarakkara
64)	Electrical Division, Kozhikode	3		Deputy Chief Engineer, Electrical Circle, Kozhikode
65)	Electrical Division, Kundara	3		Deputy Chief Engineer, Electrical Circle, Kottarakkara
66)	Electrical Division, Kunnamkulam	3		Deputy Chief Engineer, Electrical Circle, Thrissur
67)	Electrical Division, Mananthavadi	3		Deputy Chief Engineer, Electrical Circle, Kalpetta
68)	Electrical Division, Manjeri	3		Deputy Chief Engineer, Electrical Circle, Manjeri
69)	Electrical Division, Mannarkad	3		Deputy Chief Engineer, Electrical Circle, Shornur
70)	Electrical Division, Mattanchery	3		Deputy Chief Engineer, Electrical Circle, Ernakulam
71)	Electrical Division, Mavelikkara	3		Deputy Chief Engineer, Electrical Circle, Alapuzha
72)	Electrical Division, Moovattupuzha	3		Deputy Chief Engineer, Electrical Circle, Perumbavoor
73)	Electrical Division, Nadapuram	3		Deputy Chief Engineer, Electrical Circle, Vdakara
74)	Electrical Division, Nedumangad	3		Deputy Chief Engineer, Electrical Circle, Trivandrum (Rural), Kattakkada.

75)	Electrical Division, Neyyattinkara	3		Deputy Chief Engineer, Electrical Circle, Trivandrum (Rural),Kattakkada.
76)	Electrical Division, Nilambur	3		Deputy Chief Engineer, Electrical Circle, Manjeri
77)	Electrical Division, North Paravur	3		Deputy Chief Engineer, Electrical Circle, Perumbavoor
78)	Electrical Division, Pala	3		Deputy Chief Engineer, Electrical Circle, Pala
79)	Electrical Division, Palakkad	3		Deputy Chief Engineer, Electrical Circle, Palakkad
80)	Electrical Division, Pallom	3		Deputy Chief Engineer, Electrical Circle, Kottayam
81)	Electrical Division, Pathanamthitta	3		Deputy Chief Engineer, Electrical Circle, Pathanamthitta
82)	Electrical Division, Payyannur	3		Deputy Chief Engineer, Electrical Circle, Sreekandapuram
83)	Electrical Division, Peerumedu	3		Deputy Chief Engineer, Electrical Circle, Thodupuzha
84)	Electrical Division, Perinthalmanna	3		Deputy Chief Engineer, Electrical Circle, Manjeri
85)	Electrical Division, Perumbavoor	3		Deputy Chief Engineer, Electrical Circle, Perumbavoor
86)	Electrical Division, Ponkunnam	3		Deputy Chief Engineer, Electrical Circle, Pala
87)	Electrical Division, Ponnani	3		Deputy Chief Engineer, Electrical Circle, Tirur
88)	Electrical Division, Punalur	3		Deputy Chief Engineer, Electrical Circle, Kottarakkara
89)	Electrical Division, Shornur	3		Deputy Chief Engineer, Electrical Circle, Shornur
90)	Electrical Division, Thalassery	3		Deputy Chief Engineer, Electrical Circle, Kannur
91)	Electrical Division, Thirurangadi	3		Deputy Chief Engineer, Electrical Circle, Tirur
92)	Electrical Division, Thiruvalla	3		Deputy Chief Engineer, Electrical Circle, Pathanamthitta
93)	Electrical Division, Thiruvananthapuram	3		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram
94)	Electrical Division, Thodupuzha	3		Deputy Chief Engineer, Electrical Circle, Thodupuzha
95)	Electrical Division, Thrippunithura	3		Deputy Chief Engineer, Electrical Circle, Ernakulam
96)	Electrical Division, Thrissur East	3		Deputy Chief Engineer, Electrical Circle, Thrissur
97)	Electrical Division, Thrissur West	3		Deputy Chief Engineer, Electrical Circle, Thrissur
98)	Electrical Division, Tirur	3		Deputy Chief Engineer, Electrical Circle, Tirur
99)	Electrical Division, Vadakara	3		Deputy Chief Engineer, Electrical Circle, Vadakara
100)	Electrical Division, Vadakkanchery	3		Deputy Chief Engineer, Electrical Circle, Thrissur
101)	Electrical Division, Vaikom	3		Deputy Chief Engineer, Electrical Circle, Kottayam
102)	Generation Circle, Kothamangalam	3		Deputy Chief Engineer, Generation Circle, Kothamangalam

