



# KERALA STATE ELECTRICITY BOARD LIMITED

(Incorporated Under the Companies Act, 1956 (No.1/1956)  
Corporate Identity No. U40100KL2011SGCO27424  
**Corporate Office (Supply Chain Management)**  
Vydyuthi Bhavanam, Pattom, Thiruvananthapuram- 695004, India,  
Ph:+91-471-2446853,Fax:+91-471-2447246,  
E-mail: [cescm@kseb.in](mailto:cescm@kseb.in)



## PURCHASE ORDER

From

**The Deputy Chief Engineer(SCM) I/C**

To

M/s.Zigma Solutions,  
TC 13/450,Thampuramukku,  
kunnukuzhy, Vanchiyoor P.O,  
Trivandrum-695 035

Dear Sirs,

P.O.No.	SCM.56/2018-19/2589
Date	30/06/2018
P.O. type	Supply- New
Reference file	XM-AEE2/SCM/2017-18/ Computer&Accessories
Purchase Value	Rs.5,31,34,788/-
AMC Value	Rs.17,91,360/-
Performance Security	Rs.53,13,500/-
Price	Fixed

Sub:- Supply, Installation, Testing, Commissioning and Maintenance of Computer Systems and accessories (warranty for three years and continued AMC for the next three years) at various offices of KSEB Limited on rate contract basis for one year – Reg.

- Ref:-
- 1) This office e-Tender No.KSEB/SCM/eP/78/2017-18.
  - 2) Your Offer for the subject tender.
  - 3) Your Letter No. ZSTVM/KSEB/2410/18-19 dated 30/05/2018.
  - 4) Minutes of Purchase SubCommittee meeting held on 19/06/2018 (Agenda Item No. 14/2018-19)

Your offer for supply, installation, testing, commissioning and 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.

Yours faithfully,

**Deputy Chief Engineer (SCM)(in Charge)**

*[Signature]*

- Acc:-
- 1) Price Schedule – I & II
  - 2) Special Instructions
  - 3) Guaranteed Technical Particulars
  - 4) List of Consignee – Annexure – I
  - 5) Form of Agreement – Annexure – II
  - 6) Form of Security Deposit – Annexure – III
  - 7) Form of Performance Security (Bank Guarantee) – Annexure –IV
  - 8) Form of Preventive Maintenance of Computer Systems/ Peripherals – Annexure – V
  - 9) Form of System Maintenance Register – Annexure – VI
  - 10) Form of Annual Maintenance Contract (AMC) Agreement – Annexure-VII.

**Copy to:-**

- 1) All Chief Engineers, KSEB Limited
- 2) The Chief Vigilance Officer, Vigilance Wing, KSEB Limited, Thiruvananthapuram.
- 3) The Secretary (Administration), Vyduthi Bhavanam, Thiruvananthapuram.
- 4) The Financial Adviser, KSEB Limited, Thiruvananthapuram.
- 5) The Accountant General, Kerala, Thiruvananthapuram.
- 6) The Main Income Tax Officer, Thiruvananthapuram.
- 7) The Sale tax officer, Perorkada, Thiruvananthapuram
- 8) The Legal Adviser and Disciplinary Enquiry Officer, KSEB Limited.
- 9) TA to Chairman & Managing Director, KSEB Limited.
- 10) TA to Director (SCM,Generation(Electrical),CP and Safety)
- 11) All Deputy Chief Engineers, KSEB Limited.
- 12) TA to Director (Distribution & IT)
- 13) TA to Director (Transmission & System Operation)
- 14) PA to Director (Finance)
- 15) The Special Officer(Revenue),KSEB Ltd, Vyduthibhavanam
- 16) The Executive Engineer, Computerization Unit, IT, Thiruvananthapuram, Kochi & Kozhikode.
- 17) TA to Chief Engineer (SCM)
- 18) The ARUS & Consignees.
- 19) The Assistant Finance Officer(SCM)

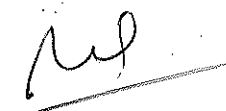
### **PRICE SCHEDULE- I**

#### **Schedule of Price and List of Materials Accepted to be Supplied with 3 year Warranty**

Sl. No	Item Description	Make	Qty. (Nos.)	Basic Rate (Rs.)	GST@18% (Rs.)	Freight charges (Rs.)	Insurance (Rs.)	Other taxes if any	Unit all inclusive rate (Rs.)	All inclusive total amount (Rs.)
1	Computer system(PC-II)	Dell	1713	24,987.00	4,497.66	NIL	NIL	NIL	29,484.66	5,05,07,222.58
2	136 Column high speed Dot Matrix Printer	EPSON	6	24,000.00	4,320.00	NIL	NIL	NIL	28,320.00	1,69,920.00
3	80 Column high speed Dot Matrix Printer	EPSON	50	12,200.00	2,196.00	NIL	NIL	NIL	14,396.00	7,19,800.00
4	Laser Printer(A4 Size)	HP	15	6,850.00	1,233.00	NIL	NIL	NIL	8,083.00	1,21,245.00
5	Network Laser Printer	HP	137	10,000.00	1,800.00	NIL	NIL	NIL	11,800.00	16,16,600.00
	<b>Price schedule Grand Total</b>									<b>5,31,34,787.58</b>
	Total Amount in words	Rupees Five Crore Thirty One Lakh Thirty Four Thousand Seven Hundred And Eighty Eight Only.								

**Total amount in words (Rupees Five Crore Thirty One lakh Thirty four Thousand Seven Hundred and Eighty Eight Only)**


**Note:-** The Prices noted above are FIRM.

  
**DY. CHIEF ENGINEER**  
Supply Chain Management  
Kerala State Electricity Board Limited  
Vidyuthi Bhavanam, Pattom  
Thiruvananthapuram - 695 004

**PRICE SCHEDULE-II**  
**Annual Maintenance Contract**

Sl. No	Item Description	Make	Qty. (Nos.)	Rate Annual (Rs)	GST@18% (Rs)	Other taxes if any(Rs)	Unit all inclusive rate for one year(Rs)	Amount For three years/unit (Rs)	Amount for three years for total quantity (Rs)
1.	Computer to function as client(PCI)	Dell	1713	203.39	36.61	NIL	240.00	720.00	1,233,360.00
2.	136 column high speed dot matrix printer	EPSON	6	847.46	152.54	NIL	1000.00	3000.00	18,000.00
3.	80 column medium speed dot matrix printer	EPSON	50	423.73	76.27	NIL	500.00	1500.00	75,000.00
4.	Laser printer(A4 size)	HP	15	1016.95	183.05	NIL	1200.00	3600.00	54,000.00
5.	Network Laser printer	HP	137	847.46	152.54	NIL	1000.00	3000.00	4,11,000.00
<b>AMC Grand Total</b>								<b>11,820.00</b>	<b>17,91,360.00</b>

Total amount for AMC for 3 years in words: Rupees Seventeen Thousand Nine Hundred and Sixty Only. The total financial commitment including AMC comes to Rs.5,49,26,148/- (Rupees Five Crore Forty Nine Lakh Twenty Six Thousand One hundred and Forty Eight only)

  
Deputy Chief Engineer (SCM) (in charge)

## SPECIAL INSTRUCTIONS

- 1) **Scope:-** Scope of the order shall include Supply, Installation, Testing, Commissioning and Maintenance of all components and materials as detailed in the Technical particulars including warranty for three years and continued Annual Maintenance Contract for the next three years on rate contract basis for one year. The price schedule and list of materials given in schedule-I. The annual rate for Annual Maintenance Contract (AMC) for three years after the expiry of three year warranty period is given in Schedule-II.

The firm shall supply the items at rate contract basis for one year as detailed in clause 36 of this Purchase Order. Subsequent purchase, if any, will be arranged by the Chief Engineers concerned at 'rate contract' rate (i.e., this Purchase Order & AMC rate) on need basis, within a period of one year from the date of execution of contract agreement. Execution of supplementary agreement, Security Deposit, Performance Security, AMC agreement etc for the Subsequent purchase on rate contract basis shall be arranged and processed at the office of the Chief Engineers concerned from where the subsequent purchase order is issued. The supply and installation may be carried out under the supervision of System Supervisor of each district as per the direction of ARU heads.

All accessories necessary for the Commissioning, Operation and Maintenance of the Computer System 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 KSEB Limited. License fee, if any, for the software other than those mentioned in the tender which may be required to operate the equipments shall be to the Supplier's account along with installation charge, if any. **Installation of OS will be the responsibility of the contractor.** The supplier shall provide the AMC at the quoted rate for 3 years continuously after the expiry of the 3 year warranty period.

- 2) **Contract Agreement:-** A Contract Agreement as in Annexure-(II) should be executed by you within 14 days of receipt of this order in the prescribed form in Kerala stamp paper worth Rs.500/- along with security deposit as referred below. Payments on account of supplies against this order is liable to be with held until it is executed.

- 3) **Security Deposit:-** An amount of Rs.26,56,800/- (Rupees Twenty Six lakh Fifty Six Thousand Eight Hundred only) has to be deposited as security deposit. This may be in the form of Demand draft favouring Chief Engineer (SCM), KSEB Limited payable at Thiruvananthapuram or Bank Guarantee from a Nationalised/ Scheduled Bank other than Indus Ind Bank in the prescribed form (Annexure-III) with a validity period of six years and six months from the date of purchase order. The Bank Guarantee must be valid for a minimum period of 2 years and shall be extended as directed by the Chief engineer(SCM). The 5% Security deposit will be released to the firm only after the successful completion of the contract period(viz.6years) after producing Non Liability Certificates.

- 4) **Firmness of Rates:-** The price noted above are Firm. Statutory Variation, if any, in taxes and duties due to policy change of Government during the scheduled delivery period will be to the KSEB's Limited account.

- 5) **Technical Specification:-** Specification of items to be supplied, installed and commissioned at the various sites are as give below:

### 1) **Specification of Computer System – PC II**

<b>Computer System – PC II</b>		1713Nos.
Processor – Latest generation 64 bit x 86 Processor dual or more cores supporting min. of 4 threads with 3.3 Ghz, 4MB cache or higher.		
With average maximum TDP (Thermal Design Power) output not more than 65W		
Chipset: Latest generation Compatible Chipset of the same OEM make of Processor		
Mother Board supporting above processor and 64-bit operation (manufactured by Inter or OEM Mother Board)		
4 GB DDRIII RAM or higher(1600MHz or higher)		

500 GB SATA 6Gbps Hard disk drive @ 7200rpm	
Gigabit Ethernet integrated	
Integrated display and sound adapter	
USB Optical Scroll Mouse (with mouse pad)	
Power Supply-Energy Saving Power Supply with Energy Star qualified. Power Supply SMPS Surge protected.	
USB 104 keys keyboard	
6 USB ports (with front USB support)	
PCI Slot/ 2XPCIe Slot & 1XPCIEX16 Slot	
18/19" Wide LED/LCD Monitor TCO Certified	
Micro ATX cabinet, Tower model	
PXE & USB Booting facility	
USB Ports Enable/Disable control (BIOS level), BIOS Password protection	
ROHS, Energy Star Complied, EPEAT Gold certification will be given preference.	
OS : Latest stable release of Ubuntu Linux LTS	
<b>3 years onsite warranty + 3 years continued AMC</b>	

## II) **Specifications of 136 Column high speed Dot Matrix Printer:**

High speed Dot Matrix Printer-136 column	<b>6 Nos.</b>
24 pin, 136 column, 440 cps (or above) @ 10 cpi HSD, 128kb (or higher) buffer.	
1 parallel, 1 USB Port, 1+4 copies printing capability,	
20000 power on hours life,	
Software Support for Debian & Ubuntu Linux.	
<b>3 years onsite warranty (including Print head) + 3 years continued AMC</b>	

## III) **Specifications of 80 column Medium speed Dot Matrix Printer:-**

Medium speed Dot Matrix printer – 80 column	<b>50 Nos.</b>
9 pin, 80 column, 550 cps (or above) @ 10cpi, 128kb (or higher) buffer,	
1 parallel, 1 USB Ports.	
20000 power on hours life	
Software Support for Debian & Ubuntu Linux.	
<b>3 years onsite warranty (including Print head) + 3 years continued AMC</b>	

## IV) **Specifications of Laser Printer:-**

Print speed: Up to 15 ppm (A4)	<b>15 Nos.</b>
Duty cycle: UP to 5000 pages per month	
Print quality Up to 600x600 dpi	
Energy star certified	
Compatible with Debian/Ubuntu Linux.	
<b>Three Years onsite Warranty + 3 years continued AMC</b>	

## V) **Specifications of Network Laser Printer:-**

Print speed :Upto 25ppm(A4)	<b>137 Nos.</b>
128 MB RAM or higher	
Duty Cycle:Upto 15,000 pages per month	
Processor speed>750 MHz	
Print quality upto 600x600x2dpi	

Hi-speed USB2.0 port,Ethernet Networking,Automatic Duplex	
Energy star certified	
Compatible with Debian/Ubuntu Linux	
<b>Three Years onsite Warranty + 3 years continued AMC</b>	

6)

**Performance Guarantee:-** Performance Guarantee for the contract will be 10% of the order value (Rs.53,13,500/- (Rupees Fifty Three Lakh Thirteen Thousand and Five Hundred only) and should be submitted on completion of the installation of the systems. The performance guarantee can be in the form of DD or Bank Guarantee in the prescribed form (Annexure-IV) valid for the entire period of contract viz., six years and for a grace period of six months after the successful installation of all the systems. The 10% Performance Security Deposit amount will be released only after the successful completion of the contract period after Non Liability Certificates are received from all consignees.

i) The offer was inclusive of a comprehensive onsite warranty for the 3 (three) years and subsequent three year Annual Maintenance Contract (AMC) period 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.

ii) **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 systems and peripherals 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) **Operating System (OS) Support:-** The supply is comprehensive inclusive of OS support on all the systems supplied and installed under this contract. Any problem related with OS maintenance, reloading of OS with all device drivers, OS upgrade, device drivers, System configuration and network configuration (if required) shall be attended & rectified by the supplier. All required device drivers shall be provided by the supplier. The supplier shall also keep a copy of all device drivers

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

iii) **Service Assurance:-**

(a) Maximum acceptable downtime will be Forty Eight hours (**2 working days**) (including complaint reporting and attending days) at a time for all the Systems and peripherals installed under this contract.

(b) The supplier shall also ensure an availability of 95% for all the computer systems & accessories on a yearly basis. This means that all the computer systems and accessories covered under this performance guarantee clause shall be in operating condition at least for 95% of the normal working hours. The normal working hours/day shall be taken as 8 hours.

iv) **Downtime Penalty:-**

A) Downtime penalty will be charged for completing the calls after the time allowed viz., **48 hours**.

B) Downtime penalty shall be settled every year failing which the amount due to the KSEBLtd is liable to be realized from the Bank Guarantee furnished by the supplier.

C) Penalty for non performance of Preventive Maintenance will be Rs.100/- per week for each item.

The Down Time Penalty will be as under

For Servers	-	Rs.100/- per day
For PCs/Laptops	-	Rs.50/- per day
For Printers/Scanner	-	Rs.50/- per day

D) The maximum downtime penalty charged on a particular item in each year shall not exceed 25% of the cost of that item.

Down time penalty will be charged for the entire down time days – Holidays-2

For Eg. Reporting of System break down is on 01/07/2018. and complaint rectifying on 11/07/2018.

Total down time	-	11 days
Holidays	-	2
Grace Period	-	2
Total penalty for 7 days.		

#### V) **Terms of Performance Guarantee and Annual Maintenance Contract (AMC):-**

a. The new upgrade items (Memory, HDD, MM Kit etc.) or other hardware purchased from the supplier or any other vendor and integrated into the existing warranty system, will be included in the AMC 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 Performance Guarantee and AMC does not include consumables such as Printer cartridges, ribbons etc.

f. **Printer Heads: The warranty for Printer heads shall be a minimum of three years.** Replacement of Printer heads shall be responsibility of the contractor during the entire warranty and AMC period of the Contract. The cost of Printer heads after their respective warranty periods will be borne by KSEB Limited.

g. At each location, KSEB Limited 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-VI**. It is the responsibility of the head of the office to maintain such a register.

For any complaints regarding the system, penalty etc. the authority to take final decision during dispute is Chief Engineer (SCM), Vidyuthi Bhavanam. In such cases, the Head of Office shall produce the System Maintenance Register in original with Signature of suppliers Service Engineer and the KSEB Limited Engineer/ Officer authorized by Head of Office to sign on behalf of KSEB Limited. The authorisation shall be recorded on the 5<sup>th</sup> page of the register with date Name & Designation and signature of head of office. The entry in the register shall start from Page No.6. The Register must have minimum 90 pages. The register must be opened on the date of commissioning of the systems. Technical details of the equipments with Purchase Order Number shall be recorded on **page 4 & 5**. If the



head of office fails to produce the register to Chief Engineer (SCM), the head of Office will be responsible for the liabilities.

- h. 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 KSEBL 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 KSEB Limited 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.

Telephone Numbers/ E-mail IDs for booking of Complaint are as given below:

**A) Zigma Solutions,Trivandrum – Customer Support Group - Service Support Details.**

Service Centre to Contact for Support	Contact Person	Contact Details
Zigma Solutions,Trivandrum	Joseph Sebastian, Business Development Manager	Ph: 0471-2302703 Mob No: 9947032703 Email: sales@zigmasolutions.co.in
Zigma Solutions,Trivandrum	Shafna, Service Coordinator	Ph:0471-2302700/01/02 Mob No: 9947032738

SI No.	District	Service Engineer	Cell phone Number
1	Trivandrum	Aji	9947032706
2	Kollam	Julias	9947032725
3	Pathanamthitta	Arun	9947032759
4	Alapuzha	Joseph	9947032734
5	Kottayam	Harvest Abraham	9947032712
6	Idukki	Nikhil	9947032758
7	Ernakulam	Prashanth	9947032713
8	Thrissur	Jose	9947032728
9	Palakkad	Gokul	9947032742
10	Malappuram	Gowtham	9947032711
11	Kozhikode	Gowtham	9947032711
12	Wayanad	Shibu	9947032748
13	Kannur	Arif	9947032702
14	Kasaragod	Pradeep	9947032701

## B) OEM Details:

Item	Brand	Telephone No.	E-mail ID
Desktop/ server	Dell	91-80-41197969	www.dell.co.in
Printers/	HP	08061354988	www.hp.com
	EPSON	0484-4012315	anna1989robin@gmail.com

- i. KSEB Limited personnel will be responsible for operating the systems and peripherals. During the period of warranty and AMC, KSEB Limited will restrict to operational activities only and will not repair any equipment. The contract does not cover any Database or User application related problem.

- j. Whenever the system and peripherals 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.

- k. **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.

- l. **Annual Maintenance Contract (AMC):** All the systems purchased from the supplier will be included in three years AMC as soon as three years warranty expires. Rates (annual) for the AMC for three years after the expiry of warranty period is shown in Schedule-II. This will be considered as a part of the Purchase Order. The annual maintenance contract agreement is to be executed centrally by the Chief Engineer (SCM). Payments on account of AMC against this order is liable to be with held until it is executed. The format for the AMC Agreement is given in Annexure – VII. The implementation of AMC is decentralized.

- m. The Annual Maintenance Contract will be comprehensive and cover the cost of all the spare parts required for replacement/repair the computer system except printer heads and consumable items like printer ribbons /Cartridge etc. The AMC shall be on regular basis to ensure the minimum down time of the system.

- n. **Payment for AMC:** The payment will be released quarterly. The supplier will submit quarterly bill along with the downtime statement within one week of completion of the three months to the consignees. The bills along with certified monthly downtime statements of the custodian officers shall be forwarded by the consignees to the ARUs. The ARU will reconcile this, pass 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.

- o. 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.

- p. **If the supplier fails to execute the AMC agreement on request from KSEB Limited and fails to carry out AMC works after expiry of the warranty period, the AMC will be re-tendered/ arranged through other agencies at the risk and cost of the supplier and their Security Deposit will be forfeited.**

- q. The maximum AMC penalty amount will be limited to 10% of the AMC Contract Value.

- r. The maximum penalty for a particular equipment shall not exceed the AMC value of the equipment.

7)

**Delivery, Installation and Commissioning:-** Each item to be supplied shall be numbered serially and the delivery plan and details shall be intimated to the office of the Chief Engineer (SCM) Thiruvananthapuram well in advance. The materials shall be delivered after getting despatch clearance from this office. The equipments are to be delivered and installed within the stipulated time at the premises of the consignees as per list attached. Advance intimation should be given to the consignee before delivery. The contractor shall be liable to complete all deliveries, installation and commissioning of the item supplied within the stipulated period from the date of detailed purchase order.

8)

**Delivery Period:-** The materials shall be supplied, installed and commissioned as per the conditions of the contract. The detailed list of sections to be covered is as per list shown in Annexure-I. The supply, installation and commissioning of all the equipments shall commence within **60 days** from the date of the Purchase Order and completed within **120 days** from the date of the Purchase Order. **The supply and installation of each equipment shall be carried out under the supervision of system administrator of each district as per the direction of ARU heads.**

	Delivery Schedule (include supply, installation & commissioning)	Item			
		PCII	80 Col DMP	136 Col. DMP	Laserjet Printer (A4) Network Laser Printer
Phase - I (List a b & c) (Various offices+ Substation PSEM + offices under Transmission wing)	Within 60 days from the date of PO.	350	-	-	-
Phase-II (List d & e) (PETARC, New Circles & Divisions + non RAPDRP sections) additional requirement	Within 60 to 90 days from the date of PO.	570	-	6	-
Phase-III (List f, g & h)(New requirement)	Within 90 to 120 days from the date of PO.	793	50		15 137
<b>Total</b>		<b>1713</b>	<b>50</b>	<b>6</b>	<b>15 137</b>

9)

**Liquidated Damages / Penalty:-**

- a) In case the supplier could not perform the supply and installation within the specified delivery period liquidated damages will be charged @ 1% per month of balance contract to be performed subject to a maximum of 10%. But where the actual damages is proved as exceeding this amount the contractor is liable to pay such damages instead of the said 1% or 10% as stipulated above. In case the contract is not completely and satisfactorily performed KSEB Limited has the right to terminate the contract at the risk and cost of the Contractor and forfeit the security deposit. For calculation of penalty, delay of 15 days and above will be counted as 1 month. The value of material will be taken as all inclusive rate less taxes and duties. Penalty is applicable for belated replacement of materials rejected also.
- b) If the rejected materials are not lifted from the site within 15 days of receipt of the intimation of rejection by the consignee, the supplier/contractor shall be liable to pay ground rent @0.1% of the above value of rejected materials for every day of delay. The maximum ground rent will be 10% of the actual value of rejected items.

10)

**Payment:-** 95% of the Ex works price of the material supplied in good working condition with taxes and duties (Full) freight and insurance (in full) will be made from KSEB Limited' funds after installation, testing and commissioning of the items as indicated in the order as per delivery schedule, in sound condition. Invoices in triplicate are to be raised in the name of the consignees concerned after completion of successful supply and installation. The bills shall be passed and payment shall be effected by the ARU heads. Balance 5% will be paid after completion of the contract period (i.e., 6 Years). On production of Bank Guarantee equivalent to 5% of the total purchase value from a Nationalised Bank or Scheduled Bank except Indus Ind Bank, in the prescribed form with a validity period of 6 years and 6 months, after the successful installation of all the items, the 5% amount will be released. Clause-15 of the General Conditions of Contract stand amended to this extent. Bank charges, if any, incurred in connection with effecting payments will be to the suppliers account. ~~KSEB~~

account. KSEB Limited has all liberty to change the type of payment depending on the prevailing condition. The payment of taxes & duties will be made only on production of an undertaking in Rs.500/- Stamp Paper 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.

Payment for AMC after the warranty period will be made quarterly on satisfactory completion of each quarter of AMC. Payment for subsequent orders issued on rate contract basis shall be arranged from the office of the Chief Engineers concerned.

All incidental expenses incurred by the KSEB Limited for making payments outside the District in which the claim arises shall be borne by the contractor.

The supplier will invariably furnish the following certificate with their bills for payment.

**"Certified that the goods on which GST(Goods&Service Tax)has been charged have not been exempted under the central GST Act or Integrated GST act or the State GST act or the rules made there under there, and the charges on account of GST on these goods are correct under provisions of the relevant Act or the rules made there under. Certified further that we (or our branch or Agent)are registered as dealers in the sale of ..... under GST registration no.....for purpose of GST"**

- 11) **Demonstration:-** In order to make the system supervisor familiar with proper operation and handling of the equipments if required the supplier shall arrange to demonstrate/ explain the following during installation of the equipments.

Demonstrating and explaining External parts, Power connection, switches, Ports etc of equipments supplied for general awareness.

Step by step method for checking and accepting the machines and equipments based on the technical specifications.

Identification of malfunctioning or problems of all equipments viz. Computers, Printers, Network Switch, Cabling, UPS and procedure for reporting

Start up and Shut down procedure.

Daily upkeep of equipments

Making back up copies on CDs

Loading paper on all types of Printers supplied

Loading Cartridge on all types of printers supplied

Printer and paper size set up for the specific requirement of the application

Detection of malfunctioning using the PC Health monitoring software supplied

System recovery methods using the recovery software supplied

Configuring RAID and error messages related to RAID

Basic Dos and Don'ts regarding the daily upkeep of the equipments supplied.

- 12) **Preventive Maintenance:-** Scheduled preventive maintenance (PM) shall be carried out **once in Four Months** for all **systems and peripherals** as detailed in Annexure-V. The supplier should submit the call sheet/ Preventive Maintenance reports as in Annexure-V to respective Engineers. In case the supplier fails to submit PM reports, a penalty prescribed in clause-6(iv) C will be levied for the period so delayed. Preventive maintenance can be clubbed with corrective maintenance.

- 13) **Progress Report:-** Fortnightly progress report regarding the supply and Installation of Computer systems & Accessories shall be forwarded to this office regularly.

- 14) **System Maintenance Register:-** At each location, KSEB Limited will keep a System 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 KSEB Limited Officer. Format for keeping this record will be as per Annexure VI. Signed copy

of this record shall be forwarded by the supplier to the Paying Authority every month.

- 15) Consignee:-** The consignees for the System and accessories are given in Annexure-I. The delivery should be made at the location and installation carried out immediately.

- 16) License:-** The licenses of any software (Linux) required for the operation should be in the name of Kerala State Electricity Board Limited and valid for the entire warranty and AMC period.

- 17) Taxes:-** The percentage of Taxes and Duties as quoted in the Tender is indicated on the Purchase Order clearly. If there is any reduction in the percentage on the rate of Taxes & Duties, the same should be passed on to the KSEB Limited. Any increase in taxes and duties on account of change in policy decisions of Government during the period of contract will be to KSEB Limited's account. But any increase in taxes & duties due to change in turn over etc. of the supplier will be to the supplier's account. The documents relating to the percentage of Taxes & Duties should be presented along with the invoice and will be reimbursed only on production of documentary evidence/ or after providing an undertaking from the supplier stating that "If any dispute on payment of taxes and duties from concerned tax authorities occurs in future, the firm shall indemnify the KSEB Limited from such liabilities and the supplier will be made liable for the additions, loss or cost on account of such discrepancies/ dispute".

- 18) Transport and handling:-** The expenses for transporting the items to various locations including loading & unloading charges, handling at the locations etc. will be to the Contractor's account. Service tax, if any, applicable in the freight charge will be to the supplier's account.

- 19) 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 System.

- 20) 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.

- 21) Replacement of Rejected Materials:-** Rejected materials will have to be replaced by you within 30 days from the date of intimation by the consignee. KSEB Limited also reserves the right to recover from the concerned supplier any loss sustained by the KSEB Limited due to the delay in clearing the rejected materials by the suppliers and the inconvenience caused to the KSEB Limited in this respect.

- 22) Pre Despatch Inspection and Testing:-**

a) The KSEB Ltd reserves its right to inspect and approve the materials before despatch. All facilities should be rendered for the KSEB Limited'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 by Fax to the Chief Engineer, (SCM) immediately when each consignment or lot is ready for dispatch.

b) The KSEB Limited representative shall be entitled at all reasonable time during manufacture to inspect, examine and conduct tests on the materials and workmanship of the item to be supplied under this contract. If any part of the item offered is being manufactured elsewhere than in the supplier's premises, the supplier shall obtain permission for the KSEB Limited's representatives to inspect, examine and test the item under manufacture as if they were being manufactured in supplier's premises. Such inspection, examination and testing shall not release the supplier from the obligations under this contract.

c) The supplier shall give the KSEB Limited's representative advance notice in writing of the date and place where the items will be ready for testing.

d) The materials will be inspected and relevant test if deemed necessary will be conducted on receipt of the materials by the consignees and the item not satisfying the tests will be totally rejected.

**24) Recovery:-** Any sum of money due and payable to the Contractor (including security deposit returnable to him) under this contract may be appropriated by the Purchasing Officer or the KSEB Limited or any other person authorized by the KSEB Limited and set off against any claim of the purchasing Officer or the KSEB Limited for the payment of a sum of money arising out of or under any other contract made by the contractor with the purchasing Officer or the KSEB Limited or any other person authorized by the KSEB Limited.

**25) 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 satisfies the defects cure its 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 execution of Contract, the KSEB Limited makes purchases on open market or after negotiation or after inviting fresh tender and settling with any of such tenders, as per the discretion of the KSEB Limited or its officers vested with powers to enter into such contracts, the contractor will be liable to pay the KSEB Limited, the extra costs incurred by the KSEB Limited and all other expenses defrayed.

Even in case where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the Security Deposit based on the cost of the materials not supplied at the rates shown in the tender of the defaulter shall be forfeited and Balance alone shall be refunded.

**26) Corrections and Omissions:-** Specification, quantities, prices etc. noted in the schedule are subject to correction. Errors or omissions, if any will be intimated by the contractor within ten days from the date of this order.

**27) Guarantee:-** The computers and accessories as per this order shall be under warranty for satisfactory performance for a period of 3 years from the date of acceptance by the consignees and continued AMC for 3 years after the expiry of the warranty.

Even though consumables such as printer cartridges are not included in the clauses of Performance Guarantee, the supplier will have to assist the users in replacing the cartridges, ribbons etc if required.

The warranty for Printer heads shall be a minimum of three years.

Replacement of Printer heads shall be responsibility of the contractor during the entire warranty and AMC period of the Contract. The cost of Printer heads after their warranty periods will be borne by KSEB.

A detailed manual for operation and maintenance and catalogue prepared in English language shall be supplied with the equipment.

Systems, drives and all other peripherals should be compatible with Debian/ Ubuntu/ Linux and Windows.

KSEB may install licensed or open source versions of standard or custom made Application software in equipments procured under this contract. Such installations will not cause alterations in Warranty or AMC unless mutually agreed.

The network and operating system configuration will be the responsibility of the supplier. The details of network configuration of the operating system like domain name, client names, IP Address details etc will be provided by KSEB Limited for establishing the network. You may contact Office of the Chief Engineer (IT&CR), Vyduthi Bhavanam, Thiruvananthapuram for details of a typical system and application configuration details.

**28) Compatibility:-** The Components as per Technical Specification above are to work together interconnected. The equipments should be capable of working in networked environment with other Systems.

**29) Bought out items:-** (Printers etc) It is the responsibility of the contractor to get the support and spares as per the Tender requirement made available from the supplier in case of bought out items.

**30) Consumables:-** The suppliers should ensure availability of all consumables in respect of all components readily on demand at all locations where the systems are supplied and installed.

**31) Verification:-** If required, the components, at the time of delivery, should be demonstrated to the consignee for conformity of specification for acceptance.

**32) 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 crate
- 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/XM-AEE2/SCM Computer/2018-19/Zigma solutions'

**33) Branding:-** The following identification details shall be marked on each Computer & Accessories.

- 1) Serial no. (shall be unique).
- 2) P.O.No.SCM.56/2018-19 dated 30/06/2018 of the Chief Engineer (SCM).
- 3) Warranty – 3 years.
- 4) Name and Address of Supplier.
- 5) Contact no. of Service Personnel and Firm.

**34) Technical Particulars:-** One copy of technical literature and warranty certificate should be sent to Consignee along with each Computer/Accessories.

**35) Price Refixation:-** The materials if any, supplied after the scheduled delivery period noted in the order (Clause-8) 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. The price for additional quantity (i.e., as per rate contract) shall be refixed if a fall in price occurs in the next tender opened during the delivery schedule fixed for this additional quantity.

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 KSEB Limited on the subsequent Purchase Order.

**36) Rate Contract:-** The purchase order for the tendered quantity will be issued from the Office of the Chief Engineer (SCM). Subsequent purchase at 'rate contract' rate (i.e., this Purchase order rate) will be arranged by the Chief Engineers concerned on need basis within a period of one year from the date of execution of the contract agreement for the tendered quantity. The contract agreement, Security deposit, performance Bank Guarantee, AMC agreement etc. for the subsequent purchase on rate contract basis shall be arranged and processed at the office concerned from where subsequent purchase order is issued. The firm shall supply the items at 'rate contract' basis for one year. If any failure to supply the items further on rate contract basis occurs, the supply shall be arranged alternatively at the risk and cost of the supplier. The supply and installation of each item shall be carried out under the supervision of system administrator of each district as per the direction of ARU heads.

Price refixation as per clause 35 mentioned above is applicable for the quantity supplied during the period of rate contract. That is, the price for quantity supplied against rate contract shall be refixed if a fall in price occurs in the next tender opened during the delivery schedule fixed for this additional quantity.

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 KSEB Limited on the subsequent Purchase Order.

**37) Invoices:-** Invoice in triplicate in the name of Consignees should be drawn and forwarded to the consignees as shown in Annexure-I. Separate Invoices should be sent for each consignment. In all correspondences and invoices relating to

this order, the number and date of the order given in page-1 should be clearly quoted.

**38) Bankers:-** Our Bankers are State Bank of India.

**39) Governing conditions:-** This order shall only be governed by the conditions stated herein and in the tender notification issued by the KSEB Limited. None of the conditions stated in your offer or in subsequent letters shall be deemed to be accepted unless specifically stated herein also.

**40) Jurisdiction:-** The Courts situated at the place where the headquarters of the KSEB Limited is situated viz., Thiruvananthapuram alone will have jurisdiction to entertain civil suits pertaining to this contract.

  
Deputy Chief Engineer (SCM)(in charge)

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**Guaranteed Technical Particulars (GTP)**

1)	Computer – PCII		M/s.Zigma
	Computer	Model Name	Dell Optiplex 5055
		Manufacturer	Dell
	Processor	Name	AMD
		Model Number	Ryzen Pro 3
		Clock Speed	3.5 GHz
		Cache size on cpu	8MB Cache
		FSB speed	
		Packaging (No. of pins)	
		64 bit processing (Yes / No)	Yes
	Memory	Make	OEM
		Size	4gb
		Type	DDR4
		Access time	
		Memory expandability	32
		Memory Speed	2133
	Mother Board	Make / OEM / Model	OEM
		Chipset	B350
		64 bit processing support (Yes / No)	Yes
		FSB speed	
		Processors supported	1
		Maximum memory size supported	64
		Type of RAM supported	Dd4r4
		Number of DIMM slots	2
		No. and types of slots	1 full height PCIe x 16 (wired x 8) 1 full height
		No. of IDE slots	0
		No. of SATA ports	2
		No. of USB ports	6
		No. of serial ports	0
		No. of parallel ports	0
		No. of PS/2 ports	0
		Integrated Graphics (Yes / No)	Yes
		Graphics Memory size	Integrated
		Integrated Ethernet (Yes / No)	Yes
		Ethernet interface speed	10/100/1000
	Hard Disk	Make & Model	OEM
		Capacity (GB)	1024
		Capacity formatted (GB)	
		Interface	SATA.
		Manufacturer	OEM
		RPM	7200
		Transfer Rate	6gbps
	RAID 1 support	Integrated (Yes / No)	No
		RAID controller chipset	Nil
		RAID BIOS make	Nil
		RAID type supported	Nil
	Graphics	Make (OEM / Integrated)	Integrated
		Type	Integrated
		Video RAM type	
		Chip set	
		Maximum colours supported	
		Maximum resolution supported	1400 * 600
		Interface type	Onboard
	Network	Make (OEM / Integrated)	Integrated
		Interface	RJ45
		Speed	10/100/1000
		Ports	1
		Standards supported	
		Features supported	
		LED Indication	Yes

	Power Supply	Rating	
	Model / make		DELL OEM
	Manufacturer		DELL
	Maximum power		240
	Monitor	Screen Size	18.5
		Model / make	Dell 19
		Manufacturer	Dell
		Dot pitch (diagonal)	
		Maximum Resolution	1440*600
		Viewable image size	18
		Approvals / certifications	TCO
		Power consumption	
		Plug & Play supported platforms	Linux windows
	Keyboard	Make / Type	DELL Std keyboard
		No. of keys	102
		Interface	USB
	Mouse	Make / Type	USB OPTICAL SCROLL
		No. of buttons	2
		Interface	USB
	Cabinet	Type	TOWER
		Form factor	TOWER
		Ports provided on the front	2
		Cooling fans	Yes
	Connectivity		Ethernet
	Serial port		NO
	Operating Systems		Linux Ubuntu 16 LTS
	Warranty	3 Years (Yes/No)	Yes
	Continued AMC	3 Years(Yes/No)	Yes
	URL (web site) of the Manufacturer		<a href="http://www.dell.com">www.dell.com</a>
2)	<b>Printer 136 Column</b>		
		Model	LQ-2090
		Manufacturer	Epson
		Number of pins	24 Pin
		Number of columns	136 columns
		Speed (indicate speed in cps at specific cpi)	10 CPI-440 CPS
		Ports provided	1 parallel, 1 USB
		Driver Support	Debain and Ubuntu Linux
	Warranty (3 years)	(Yes/No)	Yes
	Continued AMC(3 years)	(Yes/No)	Yes
3)	<b>Printer 80 Column</b>		
		Model	FC-890
		Manufacturer	Epson
		Number of pins	9
		Number of columns	80
		Speed (indicate speed in cps at specific cpi)	550 cps @ 10 CPI
		Ports provided	1 Parallel, 1 USB
		Memory	128 KB
		Driver Support	Debain & Ubuntu Linux
	Warranty (3 years)	(Yes/No)	Yes
	Continued AMC(3 years)	(Yes/No)	Yes

4)	Laser Printer (A4 size)		
	Model	M104a	
	Manufacturer	HP	
	Printing Speed	22 PPM	
	Duty Cycle	Upto 10000 Pages	
	Memory	128 MB	
	Connectivity	Hi-speed USB 2.0	
	Print quality	600x600 dpi	
	Energy star certified(Yes/No)	Yes	
	Driver Support	Debian/ Ubuntu Linux	
	Warranty (3 years)	(Yes/No)	Yes
	Continued AMC(3 years)	(Yes/No)	Yes
5)	Network Laser Printer		
	Model	M203dn	
	Manufacturer	HP	
	Printing Speed	28 PPM	
	Duty Cycle	30000 Pages	
	Memory	256 MB	
	Connectivity	Hi-speed USB 2.0, Ethernet 10/100 network	
	Driver Support	Debian/ Ubuntu Linux	
	Automatic Duplex(Yes/No)	Yes	
	Hi-speed USB 2.0port (Yes/No)	Yes	
	Ethernet Networking(Yes/No)	Yes	
	Warranty (3 years)	(Yes/No)	Yes
	Continued AMC(3 years)	(Yes/No)	Yes

Deputy Chief Engineer (SCM) In Charge

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**ANNEXURE – I**

**List of Consignee Offices and items to be supplied and installed:-**

Supply, Installation, Testing, Commissioning and Maintenance of Computer Systems and accessories are to be done as per the tender in the following location

**SECTION – C (Consignee List)**

**Phase – I**

**(a) Various Offices of KSEB Limited**

Sl. No.	Consignee	PC-II	ARU
1)	Office of the Director(HRM)	4	Secretary, KSEB Limited, Thiruvananthapuram.
2)	Office of the Director(T&SO)	2	Secretary, KSEB Limited, Thiruvananthapuram.
3)	Office of the Director(D&IT)	2	Secretary, KSEB Limited, Thiruvananthapuram.
4)	Office of the Director (Finance)	1	Secretary, KSEB Limited, Thiruvananthapuram.
5)	O/o the Executive Engineer (Planning)	2	Secretary, KSEB Limited, Thiruvananthapuram.
6)	O/o the Chief Engineer (Generation), Moolamattom	6	Deputy Chief Engineer, Generation Circle, Moolamattom.
7)	Generation Circle,Thrissur.	2	Deputy Chief Engineer, Generation Circle,Thrissur.
8)	Sub Divisions, Powerhouse & Sections under Generation Circle, Thrissur	12	Deputy Chief Engineer, Generation Circle, Thrissur
9)	Chief Engineer (SCM)	24	Chief Engineer (SCM)
10)	Deputy Chief Engineer, PETARC, Moolamattom	4	Deputy Chief Engineer, Generation Circle, Moolamattom.
11)	O/o the Deputy Chief Engineer (CAPS)	1	Deputy Chief Engineer (CAPS)
	<b>Total</b>	<b>60</b>	

b) PC & Accessories for Transmission Wing – Sub Stations for PSEM Rollout

Sl. No.	Consignee	Voltage Level (kv)	PC II	ARU
1	Malaparamba	220	1	Deputy Chief Engineer, Transmission Circle, Malappuram
2	Kizhisseri	110	1	Deputy Chief Engineer, Transmission Circle, Malappuram
3	Anjukunnu	66	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
4	Thenmala	66	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
5	GIS, Gandhiraod.	110	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
6	Perinad.	110	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
7	Kodimatha	110	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruthu
8	Parappanangadi	110	1	Deputy Chief Engineer, Transmission Circle, Malappuram
9	Mankada	66	1	Deputy Chief Engineer, Transmission Circle, Malappuram
10	Chandranagar	66	1	Deputy Chief Engineer, Transmission Circle, Palakkad
11	Annamanada	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
12	Kootickal	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruth
13	Kadapra	33	1	Executive Engineer, Transmission Division, Pathanamthitta
14	Kanhangad Town	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
15	Adichanalloor	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
16	Agali	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
17	Alakode	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
18	Alanelloor	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
19	Alangadu	33	1	Deputy Chief Engineer, Transmission Circle, Kalamassery
20	Alathur	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
21	Ananthapuram	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
22	Anchangady	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
23	Anthikadu	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
24	Badiyadukka	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
25	Ballussery	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
26	Belur	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
27	Challissery	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
28	Chavakkad	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur

29	Chelakkara	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
30	Chengamanad	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
31	Chirakkal	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
32	Chittadi	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
33	Chullimanoor	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
34	Dharmadom	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
35	Edavanna	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
36	Erumappetty	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
37	Ezhukone	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
38	Kadakkal	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
39	Kadakkavur	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
40	Kaduthuruthy	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruth
41	Kaipamangalam	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
42	Kalady	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
43	Kalikavu	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
44	Kallambalam	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
45	Kallettumukara	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
46	Kallurkadu	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
47	Kalpetta	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
48	Kannanallur	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
49	Kannur town	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
50	Karamana	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
51	Karukachal	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruth
52	Kattanam	33	1	Deputy Chief Engineer, Transmission Circle, Alappuzha

53	Kidangoor	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruth
54	Kinfra	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
55	Kodiyeri	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
56	Koduvayur	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
57	Kongad	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
58	Kongannur	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
59	Konny	33	1	Executive Engineer, Transmission Division, Pathanamthitta
60	Kooriyad	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
61	Koovapady	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
62	Koratty	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
63	Kumbanad	33	1	Executive Engineer, Transmission Division, Pathanamthitta
64	Kurumassery	33	1	Deputy Chief Engineer, Transmission Circle, Kalamassery
65	Kurupumpady	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
66	Kuthiathodu	33	1	Deputy Chief Engineer, Transmission Circle, Alappuzha
67	Kuttiyattoor	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
68	Makkaraparamba	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
69	Maniampara	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
70	Mannar	33	1	Deputy Chief Engineer, Transmission Circle, Alappuzha
71	Mazhuvannur	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
72	Meenakshipuram	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
73	Meenangadi	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
74	Melady	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
75	Methala	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
76	Mullassery	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
77	Mulloorkara	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
78	Mundur	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
79	Muthalamada	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
80	Nadukani	33	1	Deputy Chief Engineer, Transmission Circle, Kannur

81	Neeleswaram	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
82	Nelliampathy	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
83	Ochira	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
84	Othukkungal	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
85	Padinjarethara	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
86	Palika	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruth
87	Palakkal	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
88	Pallassena	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
89	Parappukara	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
90	Parappur	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
91	Paravoor	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
92	Pariyaram (Kannur)	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
93	Pariyaram (Trichur)	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
94	Pattambi	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
95	Pattikad	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
96	Payyannur town	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
97	Pazhassi	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
98	Perla	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
99	Peyad	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
100	Pookottumpadam	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
101	Poomala	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
102	Poovar	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
103	Pooypally	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
104	Pulamanthole	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
105	Pulpally	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
106	Puthenvelikkara	33	1	Deputy Chief Engineer, Transmission Circle, Kalamassery
107	Puthiyatheru	33	1	Deputy Chief Engineer, Transmission Circle, Kannur



108	Puthur (Kottarakkara)	33	1	Deputy Chief Engineer, Transmission Circle, Kottarakkara
109	Puthur (Kannur)	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
110	Puthur (Thrissur)	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
111	Ramanattukara	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
112	Ramapuram	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruthu
113	Ranni perinad	33	1	Executive Engineer, Transmission Division, Pathanamthitta
114	Senapathy	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
115	Sreekrishnapuram	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
116	Tarur	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
117	Thabalamanna	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
118	Thakazhy	33	1	Deputy Chief Engineer, Transmission Circle, Alappuzha
119	Thavanur	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
120	Thazhekode	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
121	Thirunnavayi	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
122	Thiruvallur	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
123	Thiruvegappura	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
124	Tholambra	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
125	Thottada	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
126	Thritthala	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
127	Trikaripur	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
128	Upputhara	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
129	Urumi	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
130	Vadakkkekara	33	1	Deputy Chief Engineer, Transmission Circle, Kalamassery
131	Vadanappilly	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
132	Vagamon	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
133	Vakathanam	33	1	Deputy Chief Engineer, Transmission Circle, Poovanthuruthu
134	Vallikunnam	33	1	Deputy Chief Engineer, Transmission Circle, Alappuzha

135	Valluvambram	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
136	Vannamada	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
137	Vannapuram	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
138	Varappuzha	33	1	Deputy Chief Engineer, Transmission Circle, Kalamassery
139	Velanthavalam	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
140	Vellangallur	33	1	Deputy Chief Engineer, Transmission Circle, Thrissur
141	Vellannur	33	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
142	Vellarada	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
143	Vellikulangara	33	1	Deputy Chief Engineer, Transmission Circle, Thirissur
144	Vengola	33	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
145	Venjarammudu	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
146	Vithura	33	1	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
147	Vydyuthi Bhavan - Palakkad	33	1	Deputy Chief Engineer, Transmission Circle, Palakkad
148	Wandoor	33	1	Deputy Chief Engineer, Transmission Circle, Malappuram
149	West elery	33	1	Deputy Chief Engineer, Transmission Circle, Kannur
	<b>Total</b>		<b>149</b>	

c) **PC for Offices under Transmission Wing**

Sl. No.	Consignee	PC II	ARU
1	Transmission Circle, Thiruvananthapuram	2	Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
2	Transmission Division, Thiruvananthapuram	1	
3	Transmission Division, Kazhakoottum	1	
4	Project Manager, Kattakada	1	
5	Sub Divisions & TC Sections under Transmission Circle, Thiruvananthapuram	16	
6	Transmission Circle, Kalamassery	2	Deputy Chief Engineer, Transmission Circle, Kalamassery
7	Transmission Division, Kalamassery	1	
8	Transmission Division, Brahmapuram	1	
9	Transmission Division, Ernakulam	1	
10	Sub Divisions, TC Sections under Transmission Circle, Kalamassery	5	
11	Transmission Division, Poovanthuruthu	1	Deputy Chief Engineer, Transmission Circle, poovanthuruthu
12	Transmission Division, Pala	1	
13	LM Sections under Poovanthuruthu	2	

14	Transmission Division, Pathanamthitta	2	Executive Engineer, Transmission Division, Pathanamthitta
15	TC & Line Sections under Transmission Division, Pathanamthitta	4	
16	Transmission Division, Alappuzha	1	Deputy Chief Engineer, Transmission Circle, Alappuzha
17	Transmission Division, Mavelikkara	1	
18	Transmission Division, Thodupuzha	1	Deputy Chief Engineer, Transmission Circle, Thodupuzha
19	Transmission Division, Kothamangalam	1	
20	Sub Division and LM Section under Transmission circle Thodupuzha	6	
21	Transmission Circle, Kottarakkara	2	Deputy Chief Engineer, Transmission Circle, Kottarakkara
22	Transmission Division, Kundara	1	
23	Transmission Division, Punalur	1	
24	Transmission construction Division, Kottarakkara	1	
25	Sub Division, TC Section and LM Section under Transmission circle Kottarakkara	6	Deputy Chief Engineer, Transmission Circle, Kannur
26	Transmission Division, Kanhirode	1	
27	Sub Division, TC Section and LM Section under Transmission circle Kannur	6	
28	Transmission Division, Kozhikode	1	Deputy Chief Engineer, Transmission Circle, Kozhikode
29	Transmission Division, Vadakara	1	
30	Transmission Division, Kaniyambetta	1	
31	Sub Division, Section and LM Section under Transmission circle Kozhikode	9	
32	Transmission Circle, Palakkad	2	Deputy Chief Engineer, Transmission Circle, Palakkad
33	Transmission Division, Shornur	1	
34	Transmission Division, Palakkad	1	
35	Transmission Division, Chittur	1	
36	Tr Sections under Transmission circle Palakkad	3	Deputy Chief Engineer, Transmission Circle, Malappuram
37	Transmission Circle, Malappuram	2	
38	Transmission Division, Tirur	1	
39	Tr Sub Divisions under Transmission circle Malappuram	2	Deputy Chief Engineer, Transmission Circle, Thrissur
40	Transmission circle, Thrissur	2	
41	Transmission Division, Chalakudy	1	
42	Transmission Division, Madakkathara	1	
43	Transmission Division, Irinjalakuda	1	
44	Transmission Division, Thrissur	1	
45	Tr Sub Divisions & Sections under Transmission circle Thrissur	5	
46	Chief Engineer (Transmission – North), VB, Kozhikode	2	Chief Engineer (Transmission – North), VB, Kozhikode
47	O/o the Chief Engineer, System Operation, Kalamasserry	2	O/o the Chief Engineer, System Operation, Kalamasserry
48	TNMS Sub Division, Kalamasserry	1	System Operation Circle, Kalamasserry
49	System Operation Circle, Kalamasserry	2	

50	Relay Division, Kalamasserry	1	
51	Sub Divisions under System Operation Circle, Kalamasserry	7	
52	System Operation Circle, Kannur	2	
53	Relay Division, Kannur	1	System Operation Circle, Kannur
54	Sub Divisions & Sections under System Operation Circle, Kannur	6	
55	System Operation Circle, Thiruvananthapuram	1	
56	Communication Division, Thiruvananthapuram	1	System Operation Circle, Thiruvananthapuram
57	Sub Divisions & Sections under System Operation Circle, Thiruvananthapuram	10	
<b>Total</b>		<b>141</b>	

**Phase - II**

**d) Computers & Accessories for newly formed Electrical Circles & Electrical Divisions and additional requirement for various offices**

SI No	Consignee	PC II	136 Col Dot Matrix Printer	ARU
1	Electrical Circle, Nilambur	2	1	Deputy Chief Engineer, Electrical Circle, Nilambur
2	Electrical Circle, Harippad	2	1	Deputy Chief Engineer, Electrical Circle, Harippad
3	Electrical Division, Kondotty	2	1	Deputy Chief Engineer, Electrical Circle, Manjeri
4	Electrical Division, Wandoor	2	1	Deputy Chief Engineer, Electrical Circle, Nilambur
5	Electrical Division, Pattambi	2	1	Deputy Chief Engineer, Electrical Circle, Shornur
6	Electrical Division, Kattakada	2	1	Deputy Chief Engineer, Electrical Circle, Kattakada
7	Deputy Chief Engineer, Transgrid	11	0	Deputy Chief Engineer, transgrid
8	Office of Chief Engineer (Civil Construction) South	5		Chief Engineer (Civil Construction) South
9	Electrical Section, Kuttichira	1		Deputy Chief Engineer, Electrical Circle, Irinjalakuda
10	Office of Chief Engineer, Transmission (South)	2		Chief Engineer (Transmission South)
11	Office Of Executive Engineer, Planning	5		Secretary, KSEB Limited, Thiruvananthapuram
12	Deputy Chief Engineer, Civil Circle, pallom	1		Deputy Chief Engineer, Civil Circle, Pallom
13	APDRP Construction Division, Thiruvananthapuram	2		Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram.
14	TMR Division, Pallom	4		Deputy Chief Engineer, Electrical Circle, Kottayam
15	O/o the Chief Engineer (Distribution Central)	2		O/o the Chief Engineer (Distribution Central), Ernakulam.
16	O/o the Deputy Chief Engineer, Transmission Circle, Thrissur (For e-office system)	2		Deputy Chief Engineer, Transmission Circle, Thrissur.
17	TMR Division, Kannur	3		Deputy Chief Engineer, Electrical Circle, Kannur.
18	O/o the Deputy Chief Engineer, Generation Circle, Kallarkutty, Meencut (for use of Retd. Tahsildar for Inventarisisation of landed properties)	1		Deputy Chief Engineer, Generation Circle, Meencut.
	<b>Total</b>	<b>51</b>	<b>6</b>	

e)

**Non RAPDRP-519 Sections-PC to use as extended terminals of CCC**

SI No	Consignee	PC II	ARU
1	Kallambalam	1	Deputy Chief Engineer, Electrical Circle, Thiruvananthapuram
2	Kadakkavoor	1	
3	Vakkom	1	
4	Chirayinkeezhu	1	
5	Kilimannoor	1	
6	Madavoor	1	
7	Nagaroor	1	
8	Pallickal	1	
9	Chullimannoor	1	Deputy Chief Engineer, Electrical Circle, Kattakada
10	Vithura	1	
11	Palode	1	
12	Uzhamalakkal	1	
13	Peringamala	1	
14	Thollicode	1	
15	Venjaramood	1	
16	Kanyakulangara	1	
17	Kallara	1	
18	Vamanapuram	1	
19	Peyad	1	
20	Vellamad	1	
21	Aryanad	1	
22	Malayinkeezh	1	
23	Kattakada	1	
24	Ottasekharangalam	1	
25	Maranalloor	1	
26	Poovachal	1	
27	Udiyankulangara	1	
28	Marayamuttom	1	
29	Kamukinkode	1	
30	Parassala	1	
31	Uchakkada	1	
32	Vellarada	1	
33	Amboori	1	
34	Kunnathukal	1	
35	Balaramapuram	1	
36	Kottukal	1	
37	Nemom	1	
38	Kalliyoor	1	
39	Poovar	1	
40	Kanjiramkulam	1	
41	Oachira	1	Deputy Chief Engineer, Electrical Circle, Kollam
42	Karunagappally(N)	1	
43	Karunagappally(S)	1	
44	Manappally	1	
45	Thevalakkara	1	
46	Sasthamcotta	1	
47	Sooranad	1	
48	Mynagappally	1	
49	Chathannoor	1	
50	Parippally	1	
51	Kottiyam	1	
52	Kannanalloor	1	
53	Mayanad	1	

54	Kundara	1	Deputy Chief Engineer, Electrical Circle, Kottarakkara
55	Ezhukone	1	
56	East kallada	1	
57	Veliyam	1	
58	Oyoor	1	
59	Perumpuzha	1	
60	Nalilla	1	
61	Kottarakkara (West)	1	
62	Kulakkada	1	
63	Puthur	1	
64	Kottarakkara East	1	
65	Pattazhy	1	
66	Chengamanadu	1	
67	Ayoor	1	
68	Valakom	1	
69	Chadayamangalam	1	
70	Thenmala	1	
71	Pathanapuram	1	
72	Piravanthoor	1	
73	Vilakkudi	1	
74	Anchal (East)	1	
75	Anchal West	1	
76	Karukone	1	
77	Kulathupuzha	1	
78	Chithara	1	
79	Kadakkal	1	
80	Kumbazha	1	Deputy Chief Engineer, Electrical Circle, Pathanamthitta
81	Konni	1	
82	Vakayar	1	
83	Vadasserikkara	1	
84	Kakkad	1	
85	Ranni (South)	1	
86	Vechoochira	1	
87	Ranni (North)	1	
88	Kozhenchery	1	
89	Ayiroor	1	
90	Arammula	1	
91	Adoor	1	
92	Kaippattoor	1	
93	Enathu	1	
94	Ezhamkulam	1	
95	Kalanjoor	1	
96	Kadambanad	1	
97	Thengamom - Pallickal	1	
98	Pandalam	1	

99	Kulanada	1	
100	Elavumthitta	1	
101	Kumbanad	1	
102	Kadapra	1	
103	Vennikulam	1	
104	Mallappally	1	
105	Vaipur	1	
106	Pallom	1	
107	Punja Pallom	1	
108	Aymanam	1	
109	Kumarakam	1	Deputy Chief Engineer, Electrical Circle, Kottayam
110	Ayarkunnam	1	
111	Puthuppally	1	
112	Kurichy	1	
113	Thengana	1	
114	Vakathanam	1	
115	Thrikkodithanam	1	
116	Karukachal	1	
117	Manimala	1	
118	Pathanad	1	
119	Vaikkom	1	
120	Chempu	1	
121	Thalayazham	1	
122	Ettumanur	1	
123	Athirampuzha	1	
124	Kuruppantthara	1	
125	Neeendoor	1	
126	Kuravilangad	1	
127	Kaduthuruthy	1	
128	Thalayolaparambu	1	
129	Peruva	1	
130	Pala	1	
131	Kidangoor	1	
132	Paika	1	Deputy Chief Engineer, Electrical Circle, Pala
133	Bharananganam	1	



134	Marangattupally	1	
135	Ramapuram	1	
136	Kollappally	1	
137	Erattupetta	1	
138	Poonjar	1	
139	Pinnakkanad	1	
140	Teekoy	1	
141	Ponkunnam	1	
142	Vazhoor	1	
143	Pallickathode	1	
144	Pampady	1	
145	Kanjirappally	1	
146	Erumely	1	
147	Mundakkayam	1	
148	Kootlikkal	1	
149	Parathode	1	
150	Ambalappuzha	1	Deputy Chief Engineer, Electrical Circle, Alappuzha
151	Thakazhy	1	
152	Edathua	1	
153	Chambakulam	1	
154	Mankombu	1	
155	Kidangara	1	
156	Kainakari	1	
157	Poochakkal	1	
158	Arookutty	1	
159	Kuthiathode	1	
160	Muhamma	1	Deputy Chief Engineer, Electrical Circle, Harippad
161	S.L.Puram	1	
162	Mavelikkara	1	
163	Thattarambalam	1	
164	Charummood	1	
165	Kattanam	1	
166	Nooranad	1	
167	Chenganoor	1	
168	Kallissery	1	

169	Mulakuzha	1	
170	Kollakadavu	1	
171	Chennithala	1	
172	Mannar	1	
173	Cheppad	1	
174	Muthukulam	1	
175	Harippad	1	
176	Pallippad	1	
177	Karuvatta	1	
178	Karthikappally	1	
179	Arattupuzha	1	Deputy Chief Engineer, Electrical Circle, Ernakulam
180	Chottanikkara	1	
181	Mulamthuruthy	1	
182	Arakkunnam	1	
183	Kolencherry	1	
184	Puthencruz	1	
185	Thiruvaniyoor	1	
186	Chengamanadu	1	
187	Kunnukara	1	
188	Thuvareoor	1	
189	Manjapra	1	Deputy Chief Engineer, Electrical Circle, Perumbavoor
190	Malayattoor	1	
191	Parakadavu	1	
192	Mookannur	1	
193	Perumbavoor	1	
194	Vazhakulam	1	
195	Okkal	1	
196	Vengola	1	
197	Kizhakkambalam	1	
198	Pattimattam	1	
199	Kurupampady	1	
200	Vengoor	1	
201	Koovappady	1	
202	Moovattupuzha-I	1	
203	Pothanikad	1	
204	Kalloorkad	1	
205	Moovattupuzha-II	1	
206	Velloorkunnam	1	
207	Valayanchirangara	1	
208	Piravom	1	
209	Koothattukulam	1	
210	Pampakuda	1	
211	Keerampara	1	
212	Varapuzha	1	
213	Ezhikkara	1	
214	Alangad	1	
215	North Parur	1	
216	Cherai	1	

217	Mannam	1	Deputy Chief Engineer, Electrical Circle, Irinjalakuda
218	Chendamangalam	1	
219	Vadakkekara	1	
220	Moothakunnam	1	
221	Cherpu	1	
222	Karuvannur	1	
223	Parappookara	1	
224	Chirakkal	1	
225	Kattoor	1	
226	Irinjalakuda- I	1	
227	Kombodinjammakkal	1	Deputy Chief Engineer, Electrical Circle, Thirissur
228	Vellangallur	1	
229	Irinjalakuda-II	1	
230	Puthenchira	1	
231	Annamanada	1	
232	Koratty	1	
233	Meloor	1	
234	Pariyaram	1	
235	Vellikulangara	1	
236	Kuttichira	1	
237	Kodakara	1	Deputy Chief Engineer, Electrical Circle, Thirissur
238	Puthukkad	1	
239	Varandarappally	1	
240	Kuzhoor	1	
241	Mala	1	
242	Puthenvellikkara	1	
243	Kalpamangalam	1	
244	Perinjanam	1	
245	Peringottukara	1	
246	Thalikulam	1	
247	Thriparayar	1	Deputy Chief Engineer, Electrical Circle, Thirissur
248	Valappad	1	
249	Ammadom	1	
250	Puthur	1	
251	Pattikad	1	
252	Arimboor	1	
253	Mulamkunathukavu	1	
254	Muthuvara	1	
255	Parappur	1	
256	Vadanappally	1	
257	Kandassankadavu	1	

258	Vengidange	1	Deputy Chief Engineer, Electrical Circle, Thodupuzha
259	Kundannur	1	
260	Desamangalam	1	
261	Cheruthuruthy	1	
262	Vadakkancherry	1	
263	Punnamparambu	1	
264	Medical College(Peringandoor)	1	
265	Chelakara	1	
266	Pazhayannur	1	
267	Thiruvillwamala	1	
268	Kecheri	1	
269	Mundur	1	
270	Koonamoochy	1	
271	Pazhanji	1	
272	Punnayoorkulam	1	
273	Kattapana	1	
274	Erattayar	1	
275	Thookkupalam	1	
276	Nedumkandam	1	
277	Vandanmedu	1	
278	Anakkara	1	
279	Kanchiyar	1	
280	Painavu	1	
281	Kanjikuzhy	1	
282	Murikkassery**	1	
283	Peerumade	1	
284	Upputhura	1	
285	Vandiperiyar	1	
286	Peruvanthanam	1	
287	Kumily	1	
288	Chithirapuram	1	
289	Rajakumary	1	
290	Marayoor	1	
291	Adimali	1	
292	Kambilikandom	1	

293	Rajakkad	1	Deputy Chief Engineer, Electrical Circle, Manjeri
294	Moolamattom	1	
295	Karimannur	1	
296	Vannapuram	1	
297	Manjeri(South)	1	
298	Manjeri(North)	1	
299	Anakkayam	1	
300	Thrikkalangode	1	
301	Chattiparamba	1	
302	Velluvambram	1	
303	Thazhecode	1	Deputy Chief Engineer, Electrical Circle, Nilambur
304	Pattikkad Chungam	1	
305	Pulamanthole	1	
306	Makkaraparamba	1	
307	Mankada	1	
308	Kolathur	1	
309	Kondotty	1	
310	Karad	1	
311	Pulikkal	1	
312	Kunnumpuram (AR Nagar)	1	
313	Areacode	1	Deputy Chief Engineer, Electrical Circle, Nilambur
314	Keezhuparamba	1	
315	Edavannappara	1	
316	Kizhissery	1	
317	Nilambur	1	
318	Akambadam	1	
319	Pookottumpadam	1	
320	Karulai	1	
321	Edakkara	1	
322	Chungathara	1	
323	Vazhikkadavu	1	
324	Pothukallu	1	
325	Moothedam	1	
326	Kalilkavu	1	
327	Karuvarakundu	1	

328	Melattoor	1	
329	Wandoor	1	
330	Edavanna	1	
331	Vaniyambalam	1	
332	Thiruvalli	1	
333	Pandikkad	1	
334	Pommundam	1	
335	Thanalur	1	
336	Thanur	1	
337	Thanur (East)	1	
338	Alathiyur	1	Deputy Chief Engineer, Electrical Circle, Tirur
339	Vettom	1	
340	Thirunavaya	1	
341	Purathur	1	
342	Kadungathukundu	1	
343	Puthenathani	1	
344	Kadampuzha	1	
345	Thuvakkad	1	
346	Valancheri	1	
347	Edayoor	1	
348	Kuttiapuram	1	
349	Thavanur	1	
350	Purangu	1	
351	Eramangalam	1	
352	Kandanakom-Kalady	1	
353	Changaramkulam	1	
354	Kottakkal	1	
355	Othukungal	1	
356	Vengara	1	
357	Oorakam	1	
358	Parappanangadi	1	
359	Vallikunnu	1	
360	Chelari	1	
361	Tirurangadi	1	
362	Thalappara	1	

363	Edarikode	1	Deputy Chief Engineer, Electrical Circle, Kozhikode
364	Venniyoor	1	
365	Mukkam	1	
366	Kattangal	1	
367	Thiruvambadi	1	
368	Omassery	1	
369	Pannikkode	1	
370	Puthuppady	1	
371	Kodencheri	1	
372	Balussery	1	
373	Koottailida	1	Deputy Chief Engineer, Electrical Circle, Palakkad
374	Kakkoor	1	
375	Koorachundu	1	
376	Unnikulam	1	
377	Atholi	1	
378	Kanjikode	1	
379	Elapully	1	
380	Parali	1	
381	Pathirippala	1	
382	Kongad	1	
383	Mundur	1	Deputy Chief Engineer, Electrical Circle, Palakkad
384	Kadambazhippuram	1	
385	Kozhinjampara	1	
386	Velanthavalam	1	
387	Koduvayur	1	
388	Pudunagaram	1	
389	Kollengode	1	
390	Muthalamada	1	
391	Nelliampathy	1	
392	Vadavannur	1	
393	Alathur	1	
394	Padoor	1	
395	Kunnissery	1	
396	Puthucode	1	
397	Nemmara	1	

398	Mudappallur	1	Deputy Chief Engineer, Electrical Circle, Shornur
399	Vadakkenchery	1	
400	Kizhakkancherry	1	
401	Kottayi	1	
402	Peringottukurissy	1	
403	Kuthannur	1	
404	Mannarkkad	1	
405	Kumaramputhur	1	
406	Alanallur	1	
407	Tachampara	1	
408	Kanjirapuzha	1	Deputy Chief Engineer, Electrical Circle, Vadakara
409	Agali	1	
410	Kottathara	1	
411	Vaniyamkulam	1	
412	Ambalappara	1	
413	Cherpulassery	1	
414	Kothakurussy	1	
415	Sreekrishnapuram	1	
416	Pengattiri	1	
417	Pattambi	1	
418	Vallapuzha	1	Deputy Chief Engineer, Electrical Circle, Vadakara
419	Koppam	1	
420	Thiruvegapura	1	
421	Muthuthala	1	
422	Thrithala	1	
423	Chalissery	1	
424	Peringode	1	
425	Padinjaringadi	1	
426	Koottupatha	1	
427	Melady	1	
428	Maniyoor	1	Deputy Chief Engineer, Electrical Circle, Vadakara
429	Ayyancherry	1	
430	Thiruvallur	1	
431	Azhiyoor	1	
432	Nadapuram	1	



433	Edacherri	1	Deputy Chief Engineer, Electrical Circle, Sreekandapuram
434	Thuneri	1	
435	Parappupara	1	
436	Parakkadavu	1	
437	Kuttiyadi	1	
438	Kakkattil	1	
439	Thottilpalam	1	
440	Perambra	1	
441	Areekkulam	1	
442	Chakkittapara ( Peruvannamoozhi)	1	
443	Naduvannur	1	
444	Meppayoor	1	
445	Perambra (North)	1	
446	Ramanthali	1	
447	Kunhimangalam	1	
448	Karivellur	1	
449	Padiyottuchal	1	
450	Payyangadi	1	
451	Madai	1	
452	Mathamangalam	1	
453	Pariyaram	1	
454	Chapparappadavu	1	
455	Alakkode	1	
456	Karthikapuram	1	
457	Sreekantapuram	1	
458	Chemperi	1	
459	Irikkur	1	
460	Payyavur	1	
461	Iritty	1	
462	Kelakom	1	
463	Ulikkal	1	
464	Edoor	1	
465	Thondiyil	1	
466	Kakkayangad	1	

467	Mayyil	1	Deputy Chief Engineer, Electrical Circle, Kannur
468	Kolachery	1	
469	Chakkarakallu	1	
470	Chalode	1	
471	Cherukunnu	1	
472	Thalassery ( South)	1	
473	Thalassery ( North)	1	
474	Koothuparamba	1	
475	Kolayad	1	
476	Kathiroor	1	
477	Pattiyam	1	
478	Panoor	1	
479	Parad	1	
480	Pinarayi	1	
481	Dharmadom	1	
482	Vengad	1	
483	Kalpetta	1	Deputy Chief Engineer, Electrical Circle, Kalpetta
484	Vythiri	1	
485	Meppadi	1	
486	Muttil	1	
487	Sultan Bathery	1	
488	Sultan Bathery( West)	1	
489	Ambalavayal	1	
490	Meenangadi	1	
491	Mananthavady	1	
492	Thavinhal	1	
493	Vellamunda	1	
494	Kattikulam	1	
495	Panamaram	1	
496	Kambalakkad	1	
497	Pulpally	1	
498	Padinjarethara	1	
499	Padichira	1	

500	Kumbala	1	Deputy Chief Engineer, Electrical Circle, Kasaragode
501	Badiadka	1	
502	Mulleria	1	
503	Chattanchal	1	
504	Perla	1	
505	Uppala	1	
506	Paivalika	1	
507	Manjeswar	1	
508	Vorkady	1	
509	Udma	1	
510	Kuttikole	1	
511	Rajapuram	1	
512	Nallompuzha	1	
513	Bhimanadi	1	
514	Balamthode	1	
515	Padannakkad	1	
516	Pilicode	1	
517	Thrikaripur	1	
518	Kayyur	1	
519	Padanna	1	
Total		519	

Phase - III

**f) PC & Accessories for various offices including recently formed one Electrical Section:-**

Sl No	Consignee	PC-II	N/W Laser Jet Printer	Laser Jet Printer	80 Col Dot Matrix Printer	ARU
1	O/o the Financial Advisor, VB, Tvm	10				Secretary, KSEBL, Thiruvananthapuram
2	Civil Maintenance Sub Division, Pallom	2	1			Deputy Chief Engineer, Civil Circle, Pallom
3	HT Meter Testing Field Unit, Angamaly	1		1		Deputy Chief Engineer, Electrical Circle, Perumbavoor
4	TMR Division, Angamaly	2	1			Deputy Chief Engineer, Electrical Circle, Perumbavoor
5	CA to the Chief Engineer (Commercial & Tariff), Vyduthi Bhavanam, Thiruvananthapuram	1		1		Secretary, KSEBL, Thiruvananthapuram
6	Civil Sub Division, TC Section, TC store and LM Section under Transmission circle Kannur	13		13		Deputy Chief Engineer, Transmission Circle, Kannur
7	Transmission Circle, Thiruvananthapuram		1			Deputy Chief Engineer, Transmission Circle, Thiruvananthapuram
8	Electrical Section Meenadom (Recently Formed)	7			2	Deputy Chief Engineer, Electrical Circle, Kottayam
9	Regional IT Unit Kochi		1			Chief Engineer, Distribution- Central, Ernakulam
10	Regional IT Unit Kozhikode		1			Chief Engineer, Distribution- North, Kozhikode
11	Chief Engineer Renewable Energy & Energy Saving (REES)	1				Secretary, KSEB Limited
	<b>Total</b>	<b>37</b>	<b>5</b>	<b>15</b>	<b>2</b>	

g) PC & Accessories for ARU Accounting Package:-

SI No	Consignee	PC II	N/W Laser Printer	ARU
1	Generation Circle, Meencut	5	1	Generation Circle, Meencut
2	Generation Circle, Thrissur	5	1	Generation Circle, Thrissur
3	Generation Circle, Moolamattom	5	1	Generation Circle, Moolamattom
4	Generation Circle, Moozhiyar	5	1	Generation Circle, Moozhiyar
5	Generation Circle, Kothamangalam	5	1	Generation Circle, Kothamangalam
6	BDPP, Brahmapuram	5	1	BDPP, Brahmapuram
7	Kozhikode Diesel Power Project	5	1	Kozhikode Diesel Power Project
8	Civil Circle, Pallom	5	1	Civil Circle, Pallom
9	Civil Circle, Kozhikode	5	1	Civil Circle, Kozhikode
10	Civil Circle, Kakkayam	5	1	Civil Circle, Kakkayam
11	Investigation Circle, Thrissur	5	1	Investigation Circle, Thrissur
12	Civil Circle, Kothamangalam	5	1	Civil Circle, Kothamangalam
13	Idukki Augmentation Scheme	5	1	Idukki Augmentation Scheme
14	Civil Circle, Meencut	5	1	Civil Circle, Meencut
15	Transmission Circle, Kottarakkara	5	1	Transmission Circle, Kottarakkara
16	Transmission Circle, Poovanthuruthu	5	1	Transmission Circle, Poovanthuruthu
17	Transmission Circle, Thrissur	5	1	Transmission Circle, Thrissur
18	Transmission Circle, Kozhikode	5	1	Transmission Circle, Kozhikode
19	Transmission Circle, Palakkad	5	1	Transmission Circle, Palakkad
20	Transmission Circle, Kannur	5	1	Transmission Circle, Kannur
21	Transmission Circle, Malappuram	5	1	Transmission Circle, Malappuram
22	Transmission Circle, Kalamassery	5	1	Transmission Circle, Kalamassery
23	Transmission Circle, Thiruvananthapuram	5	1	Transmission Circle, Thiruvananthapuram
24	Transmission Circle, Alappuzha	5	1	Transmission Circle, Alappuzha
25	Transmission Circle, Thodupuzha	5	1	Transmission Circle, Thodupuzha
26	Transmission Division, Pathanamthitta	5	1	Transmission Division, Pathanamthitta
27	System Operation Circle, VB, Thiruvananthapuram	5	1	System Operation Circle, VB, Thiruvananthapuram
28	System Operation Circle, Kalamassery	5	1	System Operation Circle, Kalamassery
29	System Operation Circle, Kannur	5	1	System Operation Circle, Kannur
30	Electrical Circle, Sreekandapuram	5	1	Electrical Circle, Sreekandapuram
31	Electrical Circle, Shoranur	5	1	Electrical Circle, Shoranur
32	Electrical Circle, Tirur	5	1	Electrical Circle, Tirur

33	Electrical Circle (Urban), Thiruvananthapuram	5	1	Electrical Circle (Urban), Thiruvananthapuram
34	Electrical Circle, Kollam.	5	1	Electrical Circle, Kollam.
35	Electrical Circle, Kottarakkara	5	1	Electrical Circle, Kottarakkara
36	Electrical Circle, Kottayam	5	1	Electrical Circle, Kottayam
37	Electrical Circle, Pala	5	1	Electrical Circle, Pala
38	Electrical Circle, Alappuzha	5	1	Electrical Circle, Alappuzha
39	Electrical Circle, Ernakulam	5	1	Electrical Circle, Ernakulam
40	Electrical Circle, Thrissur	5	1	Electrical Circle, Thrissur
41	Electrical Circle, Palakkad	5	1	Electrical Circle, Palakkad
42	Electrical Circle, Kozhikode	5	1	Electrical Circle, Kozhikode
43	Electrical Circle, Kannur	5	1	Electrical Circle, Kannur
44	Electrical Circle, Manjeri	5	1	Electrical Circle, Manjeri
45	Electrical Circle, Pathanamthitta	5	1	Electrical Circle, Pathanamthitta
46	Electrical Circle, Thodupuzha	5	1	Electrical Circle, Thodupuzha
47	Electrical Circle, Kalpetta	5	1	Electrical Circle, Kalpetta
48	Electrical Circle, Kasaragod	5	1	Electrical Circle, Kasaragod
49	Electrical Circle (Rural), Kattakada	5	1	Electrical Circle (Rural), Kattakada
50	Electrical Circle, Perumbavoor	5	1	Electrical Circle, Perumbavoor
51	Electrical Circle, Irinjalakuda	5	1	Electrical Circle, Irinjalakuda
52	Electrical Circle, Vadakara	5	1	Electrical Circle, Vadakara
53	Electrical Division, Thiruvananthapuram	5	1	Electrical Division, Thiruvananthapuram
54	Electrical Division, Nedumangad	5	1	Electrical Division, Nedumangad
55	Electrical Division, Atingal.	5	1	Electrical Division, Atingal.
56	Electrical Division, Neyyattinkara	5	1	Electrical Division, Neyyattinkara
57	Electrical Division, Kazhakkuttom	5	1	Electrical Division, Kazhakkuttom
58	Electrical Division, Kollam	5	1	Electrical Division, Kollam
59	Electrical Division, Karunagappally	5	1	Electrical Division, Karunagappally
60	Electrical Division, Chathannoor	5	1	Electrical Division, Chathannoor
61	Electrical Division, Kottarakkara	5	1	Electrical Division, Kottarakkara
62	Electrical Division, Kundara	5	1	Electrical Division, Kundara
63	Electrical Division, Punalur	5	1	Electrical Division, Punalur
64	Electrical Division, Pallom	5	1	Electrical Division, Pallom
65	Electrical Division, Vaikom	5	1	Electrical Division, Vaikom
66	Electrical Division, Changanacherry	5	1	Electrical Division, Changanacherry
67	Electrical Division, Pala	5	1	Electrical Division, Pala

68	Electrical Division, Ponkunnam	5	1	Electrical Division, Ponkunnam
69	Electrical Division, Alappuzha	5	1	Electrical Division, Alappuzha
70	Electrical Division, Cherthala	5	1	Electrical Division, Cherthala
71	Electrical Division, Mavelikkara	5	1	Electrical Division, Mavelikkara
72	Electrical Division, Chengannoor	5	1	Electrical Division, Chengannoor
73	Electrical Division, Haripad	5	1	Electrical Division, Haripad
74	Electrical Division, Ernakulam	5	1	Electrical Division, Ernakulam
75	Electrical Division, Tripunithura	5	1	Electrical Division, Tripunithura
76	Electrical Division, Aluva Town	5	1	Electrical Division, Aluva Town
77	Electrical Division, Perumbavoor.	5	1	Electrical Division, Perumbavoor.
78	Electrical Division, Moovattupuzha	5	1	Electrical Division, Moovattupuzha
79	Electrical Division, Mattancherry	5	1	Electrical Division, Mattancherry
80	Electrical Division, North Paravur	5	1	Electrical Division, North Paravur
81	Electrical Division, Angamaly	5	1	Electrical Division, Angamaly
82	Electrical Division, Thrissur(East)	5	1	Electrical Division, Thrissur(East)
83	Electrical Division, Kunnankulam	5	1	Electrical Division, Kunnankulam
84	Electrical Division, Irinjalakuda	5	1	Electrical Division, Irinjalakuda
85	Electrical Division, Chalakudy	5	1	Electrical Division, Chalakudy
86	Electrical Division, Thrissur (West)	5	1	Electrical Division, Thrissur (West)
87	Electrical Division, Kodungallur	5	1	Electrical Division, Kodungallur
88	Electrical Division, Wadakkancherry	5	1	Electrical Division, Wadakkancherry
89	Electrical Division, Palakkad	5	1	Electrical Division, Palakkad
90	Electrical Division, Chittur	5	1	Electrical Division, Chittur
91	Electrical Division, Shoranur	5	1	Electrical Division, Shoranur
92	Electrical Division, Mannarkkad	5	1	Electrical Division, Mannarkkad
93	Electrical Division, Alathur	5	1	Electrical Division, Alathur
94	Electrical Division, Kozhikode	5	1	Electrical Division, Kozhikode
95	Electrical Division, Balussery	5	1	Electrical Division, Balussery
96	Electrical Division, Vadakara	5	1	Electrical Division, Vadakara
97	Electrical Division, Feroke	5	1	Electrical Division, Feroke
98	Electrical Division, Nadapuram	5	1	Electrical Division, Nadapuram
99	Electrical Division, Kannur	5	1	Electrical Division, Kannur
100	Electrical Division, Thalassery	5	1	Electrical Division, Thalassery
101	Electrical Division, Iritty	5	1	Electrical Division, Iritty
102	Electrical Division, Payyannur	5	1	Electrical Division, Payyannur
103	Electrical Division, Manjeri	5	1	Electrical Division, Manjeri
104	Electrical Division, Tirur	5	1	Electrical Division, Tirur

105	Electrical Division, Perinthalmanna	5	1	Electrical Division, Perinthalmanna
106	Electrical Division, Ponnani	5	1	Electrical Division, Ponnani
107	Electrical Division, Nilambur	5	1	Electrical Division, Nilambur
108	Electrical Division, Tirurangadi	5	1	Electrical Division, Tirurangadi
109	Electrical Division, Pathanamthitta	5	1	Electrical Division, Pathanamthitta
110	Electrical Division, Adoor	5	1	Electrical Division, Adoor
111	Electrical Division, Thiruvalla	5	1	Electrical Division, Thiruvalla
112	Electrical Division, Thodupuzha	5	1	Electrical Division, Thodupuzha
113	Electrical Division, Kattappana	5	1	Electrical Division, Kattappana
114	Electrical Division, Adimaly	5	1	Electrical Division, Adimaly
115	Electrical Division, Peerumade	5	1	Electrical Division, Peerumade
116	Electrical Division, Kalpetta	5	1	Electrical Division, Kalpetta
117	Electrical Division, Mananthavady	5	1	Electrical Division, Mananthavady
118	Electrical Division, Kanhangad	5	1	Electrical Division, Kanhangad
119	Electrical Division, Kasaragod	5	1	Electrical Division, Kasaragod
120	Building and Stores Division, Angamaly	5	1	Building and Stores Division, Angamaly
121	Transmission Store, Angamaly	5	1	Transmission Store, Angamaly
122	O/o The Director, R & DSO, Pallom	5	1	O/o The Director, R & DSO, Pallom
123	Office of the Chief Engineer (HRM)	5	1	Office of the Chief Engineer (HRM)
124	Office of the Chief Engineer, Distribution - Kozhikode Region	5	1	Office of the Chief Engineer, Distribution - Kozhikode Region
125	O/o The Financial Adviser, Unit Accounts	5	1	Secretary, KSEBL, Thiruvananthapuram
126	O/o The Secretary, Board Secretariat	5	1	Secretary, KSEBL, Thiruvananthapuram
127	O/o the Chief Engineer, Transmission (N), Kozhikode	5	1	O/o the Chief Engineer, Transmission (N), Kozhikode
128	O/o the Chief Engineer (Supply Chain Management), Thiruvananthapuram	5	1	O/o Chief Engineer (SCM), Thiruvananthapuram
129	O/o the Chief Engineer (Distribution Central), Ernakulam	5	1	O/o the Chief Engineer (Distribution Central), Ernakulam
130	Office of the CE (DS), Power House, Tvpm.	5	1	O/o the CE (DS), Power House, Tvpm.
131	O/o The Chief Engineer (Transmission) System Operation, Kalamassery	5	1	O/o The Chief Engineer (Transmission) System Operation, Kalamassery
132	O/o The Chief Engineer(IT & Customer Relations), Thiruvananthapuram	5	1	O/o The Chief Engineer(IT & Customer Relations), Thiruvananthapuram
Total		660	132	



h) PC & Accessories for 24 Electrical Sections for replacement of old Systems:-

Sl. No.	Consignee	PC	80 Col DMP	ARU
1	Assistant Engineer, Electrical Section, Palivalka	4	2	Deputy Chief Engineer, Electrical Circle, Kasargode.
2	Assistant Engineer, Electrical Section, Kolayad	4	2	Deputy Chief Engineer, Electrical Circle, Kannur.
3	Assistant Engineer, Electrical Section, Kelakam	4	2	Deputy Chief Engineer, Electrical Circle, Sreekandapuram.
4	Assistant Engineer, Electrical Section, Pariyaram	4	2	Deputy Chief Engineer, Electrical Circle, Sreekandapuram.
5	Assistant Engineer, Electrical Section, Ulikkal	4	2	Deputy Chief Engineer, Electrical Circle, Sreekandapuram.
6	Assistant Engineer, Electrical Section, Ambalavayal	4	2	Deputy Chief Engineer, Electrical Circle, Kalpetta.
7	Assistant Engineer, Electrical Section, Koorachundu	4	2	Deputy Chief Engineer, Electrical Circle,, Kozhikode.
8	Assistant Engineer, Electrical Section, Kakkoor	4	2	Deputy Chief Engineer, Electrical Circle, Kozhikode.
9	Assistant Engineer, Electrical Section, Koottalida	4	2	Deputy Chief Engineer, Electrical Circle, Kozhikode.
10	Assistant Engineer, Electrical Section, Modadi	4	2	Deputy Chief Engineer, Electrical Circle, Vadakara.
11	Assistant Engineer, Electrical Section, Areekkulam	4	2	Deputy Chief Engineer, Electrical Circle, Vadakara.
12	Assistant Engineer, Electrical Section, Karad	4	2	Deputy Chief Engineer, Electrical Circle, Manjeri.
13	Assistant Engineer, Electrical Section, Edayoor	4	2	Deputy Chief Engineer, Electrical Circle, Tirur.
14	Assistant Engineer, Electrical Section, Thiruvalli	4	2	Deputy Chief Engineer, Electrical Circle, Manjeri
15	Assistant Engineer, Electrical Section, Kanjirapuzha	4	2	Deputy Chief Engineer, Electrical Circle, Shornur.
16	Assistant Engineer, Electrical Section, Peruvanthanam	4	2	Deputy Chief Engineer, Electrical Circle, Thodupuzha.
17	Assistant Engineer, Electrical Section, Koottical	4	2	Deputy Chief Engineer, Electrical Circle, Pala
18	Assistant Engineer, Electrical Section, Kanjikuzhy	4	2	Deputy Chief Engineer, Electrical Circle, Thodupuzha
19	Assistant Engineer, Electrical Section, Thookkupalam	4	2	Deputy Chief Engineer, Electrical Circle, Thodupuzha
20	Assistant Engineer, Electrical Section, Erattayar	4	2	Deputy Chief Engineer, Electrical Circle, Thodupuzha
21	Assistant Engineer, Electrical Section, Pallippad	4	2	Deputy Chief Engineer, Electrical Circle, Alappuzha.
22	Assistant Engineer, Electrical Section, Kalavoor	4	2	Deputy Chief Engineer, Electrical Circle, Alappuzha.
23	Assistant Engineer, Electrical Section, Piravanthoor	4	2	Deputy Chief Engineer, Electrical Circle, Kottarakkara.
24	Assistant Engineer, Electrical Section, Anchal(West)	4	2	Deputy Chief Engineer, Electrical Circle, Kottarakkara.
		96	48	

Consolidated List of Requirement							
Sl. No	Offices	Item					Remarks
		PCII	Dot Matrix Printers		A4 Laser Printers		
	80 Col.		136 Col.	Network Laser Printer	Laser jet Printer		
Phase - I							
a)	Various Offices of KSEB Limited	60	-	-	-	-	
b)	PC & Accessories for Transmission Wing -- Sub Stations for PSEM Roll out	149	-	-	-	-	
c)	PC for Offices under Transmission Wing	141	-	-	-	-	
Phase - II							
d)	Computers & Accessories for newly formed Electrical Circles & Electrical Divisions	51	-	6	-	-	
e)	Non RAPDRP – Sections - PC to use as extended terminals of CCC	519	-	-	-	-	
Phase - III							
f)	PC & Accessories for various offices including recently formed one Electrical Section	37	2	-	5	15	
g)	PC & Accessories for ARU Accounting Package	660	-	-	132	-	
h)	PC & Accessories for 24 Electrical Sections for replacement of old Systems	96	48	-	-	-	
	Total	1713	50	6	137	15	

**ANNEXURE – II**  
**(Agreement to be executed by the successful Tenderer in Kerala Stamp paper**  
**worth Rs.500/-)**

**FORM OF AGREEMENT**

Articles of Agreement made the ..... day of .....  
Between Sri ..... Chief Engineer (SCM), Kerala State  
Electricity Board Limited, Trivandrum acting for/on behalf of the Kerala State Electricity  
Board Limited, hereinafter called the "KSEB Limited" of the one part and  
Sri ..... of ..... and .....  
..... Company Limited incorporated under the .....  
..... and having its registered Office at .....  
(herein after called the Contractor) of the other part.

WHEREAS the Contractor has tendered for the supply of articles for the use of  
KSEB Limited as per Tender notification No. .... Dated  
.....

And WHEREAS the KSEB Limited have been pleased to accept the contract in  
respect of the articles mentioned in the copy of order attached.

And WHEREAS the Contractor has security for the satisfactory fulfillment of this  
contract deposited Rs..... i.e., a sum equal to ..... percent of the  
value of the contract as per Bank Draft No. .... dated.....  
Bank Guarantee No.....dated..... of the .....Bank duly  
approved by the KSEB Limited.

Now these presents witness and it is hereby mutually agreed as follows:-

1. The Contractor shall undertake to supply and install material according to the  
standard samples and specifications.
2. No representation for enhancement of rates once accepted will be considered.
3. The approximate quantities to be supplied are shown in the copy of order  
No.....herewith attached which shall be treated as a part of  
this agreement as nearly as can be foreseen. But they are merely estimates of  
quantities that may be required for general guidance of tenderers and the KSEB Limited  
in no case binds itself to purchase any quantity at all during the period of contract if no  
necessity arises therefore, but the Contractor shall supply any quantity of any article at  
the rate tendered by him, for that article up to 25 percent, in excess of the estimated  
quantity quoted, and in the event of his inability to do so or to offer a suitable  
alternative to the satisfaction of the KSEB Limited, the KSEB Limited is at liberty to  
purchase the articles or an article of similar quality from elsewhere and should the price  
of the articles so purchased be in excess of the tendered rate to deduct the difference of  
cost from the contractor's bills or his security deposit, as the case may be. The  
Contractor shall not however be entitled to the excess, if any, of the tendered rate over  
such purchase amount.
4. In case the Contractor fails to supply and deliver any of the articles and things  
tendered for by him within the time provided for delivery of the same or in case the  
Contractor commits any breach of any of the covenants, stipulations and agreements  
here in contained and on his part to be observed and performed, then and in any such  
case, it shall be lawful for the KSEB Limited (if it shall think fit to do so) by an order in  
writing to put an end to this contract, and in case the KSEB Limited shall have incurred,  
sustained or been put to any costs damage or expenses by reason of this contract  
having been so put an end to or in case any difference in price, compensation, loss,  
costs, damages, expenses or other money shall then or at any time during the  
continuance of this contract be payable by the contractor to the KSEB Limited under  
and by virtue of this contract it shall be lawful for the KSEB Limited from and out of any  
moneys for the time being payable or owing to the contractor from the KSEB Limited  
under or by virtue of this contract or otherwise to pay and reimburse to the KSEB  
Limited all such costs, damages and expenses they may have sustained, incurred, or  
been put to by reason of this contract having been so put an end to as aforesaid, and  
also all such difference in price, compensation loss, costs, damages, expenses and  
other moneys as shall for the time being be payable by the Contractor aforesaid.
5. Every notice hereby required or authorized to be given may be either given to  
the Contractor personally or left at his residence or last known place of abode or  
business or may be handed over to his agent personally or may be addressed to the  
Contractor by Post at his usual or last known place of abode or business and if so  
addressed and posted shall be deemed to have been served to contractor on the date

on which in the ordinary course of Post a letter is addressed and posted would reach his place of abode or business.

6. All payments to the Contractor will be made by ARU of concerned consignees in due course by RTGS.

7. The Contractor shall not assign or make over the contract or the benefits or burdens there of or any part thereof to any other person or person or body corporate. The Contractor shall not underlet or sublet to any person or body corporate the execution of the contract or any part thereof without the consent in writing of the KSEB Limited. The KSEB Limited shall have absolute power to refuse such consent or rescind such consent (if given) at any time, if they are not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the Contractor or the subcontractor upon such rescission. Provided always that if such consent be given at any time, the Contractor shall not be relieved from any obligation, duty or responsibility under this contract.

8. In case the contractor becomes insolvent or goes into liquidation or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts or carries on his business or the contract under inspection on behalf of his creditors, or in case any receiving order or orders for the administration of his estate are made against him, or in case the Contractor shall commit any act of insolvency, or in case in which, under any clause or clauses of this contract, the Contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall thereupon, after notice given by the Chief Engineer (SCM), Kerala State Electricity Board Limited Limited to the Contractor, be determined and the Chief Engineer (SCM), may complete the contract in such time and manner and by such person as the KSEB Limited shall think fit. But such determination of the contract shall be without any prejudice to any right of remedy of the KSEB Limited against the Contractor or his sureties in respect of any breach of contract committed by the Contractor.

9. All expenses and damages caused to the KSEB Limited by any breach of all or any of the terms of this contract by the Contractor shall be paid by the Contractor to the KSEB Limited and may be recovered from him.

9. (a) The final payment will be made only on production of an undertaking by the Supplier/ Contractor that all taxes and duties payable to the 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 Government Departments/ Agencies under existing losses regarding this supply/ contract, the supplier/ contractor shall be liable to pay the same.

10. The Security Deposit will be released only after the successful completion of the contract period viz. six years after producing Non Liability Certificate. But in the event of any dispute arising between the Electricity Board Limited and the Contractor, the KSEB Limited shall be entitled to deduct out of the deposits or the balance thereof, until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed the same may also be deducted from any other sum which may be due at any time from the KSEB Limited to the Contractor.

11. The Contractor/herby declares that the goods/stores/articles sold to buyer under this contract shall be of the best quality (and workmanship) and shall be strictly in accordance with the specifications and particulars contained/mentioned in the copy of the order mentioned in clause 3 here of and the contractor/herby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of ..... days/months from the date of delivery of the said goods/stores/articles to the KSEB Limited and that notwithstanding the fact that the KSEB Limited (Inspector) may have inspected and/or approved the said goods/stores/articles, if during the aforesaid period of ..... days/months the said goods/stores/articles be discovered not to conform to the description and quality aforesaid or have deteriorated and the decision of the KSEB Limited in that behalf will be final and conclusive the KSEB Limited will be entitled to reject the said goods/stores/articles or such portion thereof as may be discovered not to conform to the said description and quality. On such rejection of goods/articles/stores will be at the contractor's risk and all the provisions herein contained relating to rejection of goods & c, shall apply. The contractor/Seller shall if so called upon to do replace the Contractor/Seller shall pay to the KSEB Limited such damages as may arise by reason of the break of the conditions herein contained. Nothing herein contained shall prejudice any other right of the KSEB Limited in that behalf under this contract or otherwise.

11 (a). If the rejected materials are not lifted from the site/ store within 15 days on receipt of intimation of rejection by the consignee, the supplier/ contractor shall be liable to pay ground rent @0.1% of the value of rejected materials for every day of delay.

12. The tender documents viz., Tender Notice, Declaration by Tenderer, General Instructions, Technical Conditions, Commercial Conditions, Performance Guarantee, Price Bid – Schedule, General Conditions will form part of this Agreement. The terms & conditions given in this agreement and/or the Order referred to in Clause 3 above shall supersede all the terms and conditions contained in the tender/quotation submitted by the Contractor or in the covering letter forwarding the said tender/quotation. Where the contractor's terms and conditions are at variance with this agreement and/or the order for the supply, the latter shall prevail.

13. In case where a successful tenderer after having made partial supplies fails to fulfill the contracts in full, all or any of the materials not supplied may, at the discretion of the purchasing Officer be purchased by means of another tender/Quotation or by negotiation from the next higher tenderer who had offered to supply already and the loss, if any, caused to the KSEB Limited shall thereby together with such sums as may be fixed by the KSEB Limited towards damages be recovered from the defaulting tenderer.

14. Even in cases where no alternate purchases are arranged for the materials not supplied the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.

15. The equipments supplied under this contract will be under performance guarantee valid for the period ..... to ..... (Six years). 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.

16. 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 systems and peripherals 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) **Operating System (OS) Support:-** The supply is comprehensive inclusive of OS support on all the systems supplied and installed under this contract. Any problem related with OS maintenance, reloading of OS with all device drivers, OS upgrade, device drivers, System configuration and network configuration (if required) shall be attended & rectified by the supplier. All required device drivers shall be provided by the supplier. The supplier shall also keep a copy of all device drivers.

c) Scheduled preventive maintenance (PM) shall be carried out **once in Four Months** for all **systems and peripherals** as detailed in **Annexure-V**. The supplier should submit the call sheets/ PM reports as in **Annexure-V** to respective Engineers. In case the supplier fails to submit PM reports, a penalty prescribed in clause-18(c) below will be levied for the period so delayed. Preventive maintenance can be clubbed with corrective maintenance.

#### 17. **Service Assurance:-**

(a) Maximum acceptable downtime will be Forty Eight hours (2 working days) including complaint reporting

(b) The supplier shall also ensure an availability of 95% for all the computer systems & accessories on a yearly basis. This means that all the computer systems and accessories covered under this performance guarantee clause shall be in operating condition at least for 95% of the normal working hours. The normal working hours/day shall be taken as 8 hours.

#### 18. **Downtime Penalty:-**

α) Downtime penalty will be charged for completing the calls after the time allowed viz., 48 hours.

β) Downtime penalty shall be settled every year failing which the amount due to the KSEB Limited is liable to be realized from the Bank Guarantee furnished by the supplier.

χ) Penalty for non performance of Preventive Maintenance will be Rs.100/- per week for each item.  
The Down Time Penalty will be as under

For Servers	-	Rs.100/- per day
For PCs/Laptops	-	-Rs.50/- per day

For Printers/scanners -Rs.50/- per day

- d) The maximum downtime penalty charged on a particular item in each year shall not exceed 25% of the cost of that item.

Down time penalty will be charged for the entire down time days – Holidays – 2

For Eg. Reporting of System break down is on 01/07/2018 and complaint rectifying on 11/07/2018.

Total down time	-	11 days
Holidays	-	2
Grace Period	-	2

Total penalty for 7 days.

19) **Terms of Performance Guarantee and Annual Maintenance Contract (AMC):**

- a) The new upgrade items (Memory, HDD, MM Kit etc.) or 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 Performance Guarantee and AMC does not include consumables such as Printer cartridges, ribbons etc.
- f) **Printer Heads: The warranty for Printer heads shall be a minimum of three years.** Replacement of Printer heads shall be responsibility of the contractor during the entire warranty and AMC period of the Contract. The cost of Printer heads after their respective warranty periods will be borne by KSEB Limited.

- g) At each location, KSEB Limited 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-VI**. It is the responsibility of the head of the office to maintain such a register.

For any complaints regarding the system, penalty etc. the authority to take final decision during dispute is Chief Engineer (SCM), Vyduthi Bhavanam. In such cases, the Head Office shall produce the System Maintenance Register in original with Signature of suppliers Service Engineer and the KSEB Engineer/ Officer authorized by Head Office to sign on behalf of KSEB Limited. The authorisation shall be recorded on the 5<sup>th</sup> page of the register with date Name & Designation and signature of head of office. The entry in the register shall start from Page No.6. The Register must have minimum 90 pages. The register must be opened on the date of commissioning of the systems. Technical details of the equipments with Purchase Order Number shall be recorded on **page 4 & 5**. If the head office fails to produce the register to Chief Engineer (SCM). The head of Office will be responsible for the liabilities.

- h) **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 KSEB Limited 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.

Toll Free Numbers/ E-mail IDs for booking of Complaint are as given below:

**A) Zigma Solutions – Customer Support Group - Service Support Details.**

Service Centre to Contact for Support		Contact Person	Contact Details
Zigma Solutions, Trivandrum		Joseph Sebastian, Business Development Manager	Ph: 0471-2302703 Mob No: 9947032703 Email: sales@zigmasonline.co.in
Zigma Solutions, Trivandrum		Shafna, Service Coordinator	Ph:0471-2302700/01/02 Mob No: 9947032738
SI No.	District	Service Engineer	Cell phone Number
1	Trivandrum	Aji	9947032706
2	Kollam	Julias	9947032725
3	Pathanamthitta	Arun	9947032759
4	Alapuzha	Joseph	9947032734
5	Kottayam	Harvest Abraham	9947032712
6	Idukki	Nikhil	9947032758
7	Ernakulam	Prashanth	9947032713
8	Thrissur	Jose	9947032728
9	Palakkad	Gokul	9947032742
10	Malappuram	Gowtham	9947032711
11	Kozhikode	Gowtham	9947032711
12	Wayanad	Shibu	9947032748
13	Kannur	Arif	9947032702
14	Kasargod	Pradeep	9947032701

**B) OEM Details:**

Item	Brand	Telephone No.	E-mail ID
Desktop/ server	Dell	91-80-41197969	www.dell.co.in
Printers/	HP	08061354988	www.hp.com
	EPSON	0484-4012315	anna1989robin@gmail.com

i) KSEB Limited 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. The contract does not cover any Database or User application related problem.

j) Whenever the system and peripherals 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.

k) **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.

l) **Annual Maintenance Contract (AMC):-** All the systems purchased from the supplier will be included in three years AMC as soon as three years warranty expires. Rates (annual) for the AMC for three years after the expiry of warranty period is shown in Schedule-II. This will be considered as a part of the Purchase Order. The annual maintenance contract agreement is to be executed centrally by

the Chief Engineer (SCM). Payments on account of AMC against this order is liable to be with held until it is executed. The format for the AMC Agreement is given in Annexure – VII. The implementation of AMC is decentralized.

- m) The Annual Maintenance Contract will be comprehensive and cover the cost of all the spare parts required for replacement/repair the computer system except printer heads and consumable items like printer/ ribbons /Cartridge etc. The AMC shall be on regular basis to ensure the minimum down time of the system.

- n) **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 ARU will reconcile this, pass 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.

- o) 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.

- p) **If the supplier fails to execute the AMC Agreement and carryout AMC works after the expiry of the Guarantee period, the maintenance of the Computers and Accessories will be arranged through other agencies at risk and cost of the supplier and their Security Deposit forfeited.**

- q) The maximum AMC penalty amount will be limited to 10% of the AMC Contract Value.

- r) The maximum penalty for a particular equipment shall not exceed the AMC value of the equipment.

20. The AMC Charges per year for the various equipments at a flat rate irrespective of location would be as follows:

Sl. No.	Item Specification	Make	Rate Annual (Rs)
1.	Computer system(PCII)	Dell	240.00
2.	136 column high speed dot matrix printer	Epson	1000
3.	80 column medium speed dot matrix printer	Epson	500
4.	Laser printer(A4 size)	HP	1200
5.	Network Laser printer	HP	1000

**Taxes will be extra as applicable at the time of Billing.**

21. The Courts situated at the place where the headquarters of the KSEB Limited is situated, viz, Trivandrum alone will have jurisdiction to entertain civil suits and all other legal proceedings pertaining to this contract.

In witness where of the parties hereto have hereunto set their hands the day and year first above written.

Signed sealed and delivered by.....

....., the Chief Engineer (SCM), acting for and on behalf of the Kerala State Electricity Board Limited.

In the presence of:

Witness: 1.  
2.

Signed sealed and delivered by.....  
In the presence of (Contractor)

Witness:- 1.  
2.



**ANNEXURE - III**  
**SECURITY DEPOSIT (BANK GUARANTEE)**

(To be executed on Rs.500/- non-judicial stamp paper)

In consideration of the Kerala State Electricity Board Limited (hereinafter called "the KSEB Limited") having agreed to exempt Contractor(s) from the demand. (Under the terms and conditions of an Agreement dated to be executed as per order made between ..... and ..... for ..... herein after called "the said Agreement" of security deposit for the due fulfillment by the said Contractor's of the terms and conditions contained in the said Agreement on production of a Bank guarantee for Rs. .... (Rs. .... only). We hereby undertake to pay to the KSEB Limited an amount not exceeding Rs. .... (Rs. .... only) against any loss or damage caused to or suffered by or would be caused to or suffered by the KSEB Limited by reason of any breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement.

2. We ..... Bank do hereby undertake to pay the amounts due and payable under the guarantee without any demur merely on a demand from the KSEB Limited, stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the KSEB Limited, by reason of any branch by the said contractor(s) of any of the terms and conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive, as regards the amount due and payable by the Bank under the guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ....

3. We ..... Bank further agree, that the guarantee herein contained, shall remain in full force and effect during the period that would be taken for the performance of the Agreement and that it shall continue to be enforceable till all the dues of the KSEB Limited, under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged till the Chief Engineer (SCM), Kerala State Electricity Board Limited or other Engineer of the KSEB Limited in charge of the Work, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ..... we shall be discharged from all liability under the guarantee thereafter.

4. We ..... Bank further agree with the KSEB Limited that the KSEB Limited shall have the fullest liberty, without our consent and without affecting in any manner or obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) from time to time or postpone for any time or from time to time any of the powers exercisable by the KSEB Limited against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension or forbearance being granted or allowed to the said Contractor(s) or for any of the forbearance act or omission on the part of the KSEB Limited or any indulgence by the KSEB Limited to the said Contractor(s) or by any such matter or thing whatsoever which under law relating to sureties would but for this provision have the effect of so relieving us.

5. To give effect to the guarantee it shall be competent for the KSEB Limited to so act, as thought the Bank were the principal debtor.

6. It is hereby expressly agreed and declared that this guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any former or other guarantees or guarantee here to fore given by the Bank to the KSEB Limited and now existing un cancelled and this guarantee is not intended to and shall not revoke or limit such other guarantees.

7. We ..... Bank lastly undertake not to revoke this guarantee during its currency-except with the previous consent of the KSEB Limited in writing.

Dated the ..... day of ..... For ..... Bank .....

**ANNEXURE - IV**  
**PERFORMANCE SECURITY (BANK GUARANTEE)**  
(To be executed on Rs.500/- non – judicial stamp paper)

In consideration of the Kerala State Electricity Board Limited(hereinafter called "the KSEB Limited") having agreed to exempt Contractor(s)" from the demand. (Under the terms and conditions of an Agreement dated to be executed as per order made between..... and ..... for..... herein after called "the said Agreement" of security deposit for the due fulfillment by the said Contractor's of the terms and conditions contained in the said Agreement on production of a Bank guarantee for Rs.....(Rs)..... only). We

Rs..... hereby undertake to pay to the KSEB Limited an amount not exceeding Rs..... (Rs..... only) against any loss or damage caused to or suffered by or would be caused to or suffered by the KSEB Limited by reason of any breach by the said Contract(s) of any of the terms and conditions contained in the said Agreement.

2. We..... Bank do hereby undertake to pay the amounts due and payable under the guarantee without any demur merely on a demand from the KSEB Limited, stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the KSEB Limited, by reason of any branch by the said contractor(s) of any of the terms and conditions contained in the said Agreement or by reason of the Contractor's(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive, as regards the amount due and payable by the Bank under the guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

3. We ..... Bank further agree, that the guarantee herein contained, shall remain in full force and effect during the period that would be taken for the performance of the Agreement and that it shall continue to be enforceable till all the dues of the KSEB Limited, under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged till the Chief Engineer (SCM), Kerala State Electricity Board Limited or other Engineer of the KSEB Limited in charge of the Work, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ..... we shall be discharged from all liability under the guarantee thereafter.

4. We..... Bank further agree with the KSEB Limited that the KSEB Limited shall have the fullest liberty, without our consent and without affecting in any manner or obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) from time to time or postpone for any time or from time to time any of the powers exercisable by the KSEB Limited against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension or forbearance being granted or allowed to the said Contractor(s) or for any of the forbearance act or omission on the part of the KSEB Limited or any indulgence by the KSEB Limited to the said Contractor(s) or by any such matter or thing whatsoever which under law relating to sureties would but for this provision have the effect of so relieving us.

5. To give effect to the guarantee it shall be competent for the KSEB Limited to so act, as thought the Bank were the principal debtor.

6. It is hereby expressly agreed and declared that this guarantee and the powers and provisions herein contained are in addition to and not by way of limitation of or substitution for any former or other guarantees or guarantee here to fore given by the Bank to the KSEB Limited and now existing un cancelled and this guarantee is not intended to and shall not revoke or limit such other guarantees.

7. We..... Bank lastly undertake not to revoke this guarantee during its currency-except with the previous consent of the KSEB Limited in writing.

Dated the..... day of .....  
For..... Bank .....

ANNEXURE - V

PREVENTIVE MAINTENANCE OF COMPUTER SYSTEMS/PERIPHERALS

Call Sheet cum PM Report

Location :  
Officer In-charge :  
Date :  
M/c Type (with Sl.No ) :

Action taken :

(A) **Environmental/Electrical conditions** :

i) Dust Level O.K. (Y/N) :  
ii) Temperature :

(Recommended 22 to 28 degree C)

iii) Humidity O.K. (Y/N) :  
iv) Voltage

Line – Neutral :

Line – Earth :

Neutral –Earth

(B) **System/ Printers:**

i) Cleaned (Y/N) :  
ii) Configuration Checked (Y/N) :  
iii) OS/ Drivers Checked (Y/N) :  
iv) Network Connectivity OK (Y/N) :  
v) Performance OK (Y/N) :

(C) **General Layout** :

Suggestions (If any) :  
Remarks :  
Signature :

**KSEB Limited Engineer**

Name :

Designation :

**Supplier's Engineer**

Name :

Organization :

ANNEXURE - VI

SYSTEM MAINTENANCE REGISTER

Location:

Name of Item:

Item Code:

Month:

Call No	Complaint	Booking Date & Time	Attended Date & Time	Repaired Date & Time	Diagnosis and Components Replaced	Down Time in days	Penalty in Rs
Total							

KSEB Limited Engineer

Service Engineer

Note

- Separate Sheet may be maintained for PC and Printer
- If there is no down time for a particular month that may be mentioned in the register.

**ANNEXURE - VII**  
**Annual Maintenance Contract**  
**(after the expiry of Warranty period and for the continued AMC period)**

**MAINTENANCE CONTRACT BETWEEN KSEB LIMITED**  
**AND**  
.....  
**FOR**

**MAINTENANCE OF COMPUTER SYSTEMS, NETWORK AND PERIPHERALS**  
**FOR VARIOUS OFFICES OF KSEB LIMITED**

**PREAMBLE:-**

This contract is made on \_\_\_\_\_ of \_\_\_\_\_ 200... between KSEB Limited represented by ..... here in after referred to as 'KSEB' (Which expression shall unless excluded by or repugnant to the context be deemed to include his successor in office or assign) of the one part and ..... herein after referred to as '.....' (Which expression shall unless excluded by or repugnant to the context be deemed to include his successor in office or assign) of the other part.

**WHEREAS:**

1. KSEB Limited is desirous of entering into a maintenance contract with .....for comprehensive maintenance of the computer systems and peripherals in various offices as listed in Annexure.....
2. .... is desirous of renting such services under terms and conditions as per this contract.

**CONTRACT:-**

..... agrees to maintain systems and peripherals as listed in Annexure ..... in accordance with the provisions laid down in the contract, at charges as given in the contract.

**CONTRACT PERIOD:-**

For the equipment under maintenance with ....., the AMC will be valid for the period..... To ..... (..... Year) and the extended period, if any.

**SCOPE AND SERVICES:-**

..... agrees to provide the following services under the contract to keep the systems & peripherals in good working order.

- a) Scheduled preventive maintenance (PM) once in **four** months for all systems and peripherals as detailed in Annexure .... PM can be clubbed with corrective maintenance. The Service Engineer of Contractor would submit these calls sheets/PM reports to respective KSEB Limited Assistant Engineers in charge of the respective Offices. In case ..... fails to submit PM reports, penalty clause will apply for systems.
- b) Unscheduled, on call corrective and remedial maintenance service to set right the malfunctions of the system. This includes replacement of unserviceable parts. The parts replaced will either be new parts or equivalent in performance to existing parts. Whether a defective item or components is to be replaced or repaired shall be at the sole discretion of AMC Contractor..... In the case of replacement of a part which is supplied by KSEB Limited, the defective part removed from the system will become the property of KSEB Limited.
- c) Operating System (OS) and network Support: This contract is comprehensive inclusive of OS support on all the systems covered under this contract. Any problem related with OS maintenance, reloading of OS with all device drivers, OS upgrade, device drivers, System configuration and network configuration will be attended & rectified by ..... All required device drivers will be provided by ..... A copy of all device drivers will also be kept by ..... For OS upgradation KSEB will provide a set of OS upgrade software. The AMC covers network also.
- d) Anti Virus Software (AVS) Support: This contract includes the Anti virus software support on the systems covered under this contract. Any problem related with system Virus will be attended and rectified by the ..... will update their anti virus software as and when required and also during preventive maintenance of the systems.
- e) Persons deputed for attending fault repairs by ..... should have sound technical knowledge. If any parts of the computer system and accessories are damaged by the technician of ....., the cost of parts damaged will be recovered from ..... at the time of releasing AMC payment.

15. Any damage to the system when the system gets burnt due to site problem would not be covered under this contract and it will be discussed mutually on case-to-case basis.
16. This contract does not cover any Database or User applications related problems. For OS support a set of OS will be provided by KSEB Limited.

#### **SERVICE ASSURANCE:-**

- (a) Maximum acceptable downtime will be Forty Eight hours (2 working days) (including complaint reporting and attending days) at a time for all the Systems and peripherals installed under this contract.

#### **PENALTY:**

##### **1) DOWNTIME PENALTY:**

- a) Downtime penalty will be charged for completing the calls after the time allowed viz., 48 hours.
- b) Downtime penalty shall be settled every year failing which the amount due to the KSEB Limited is liable to be realized from the Bank Guarantee furnished by the supplier.
- c) Penalty for non performance of Preventive Maintenance will be Rs.100/- per week for each item.  
The Down Time Penalty will be as under

For Servers	-Rs100/- per day
For PCs/Laptops	-Rs50/- per day
For Printers/Scanners	-Rs50/- per day
Downtime penalty shall be settled at the end of the year failing which the amount due to the KSEB Limited is liable to be realized from the Security Deposit furnished by the contractor or from the AMC payment.	
Down time penalty will be charged for the entire down time days – Holidays – 2	
For Eg. Reporting of System break down is on 01/07/2018 and complaint rectifying on 11/07/2018.	
Total down time	- 11 days
Holidays	- 2
Grace Period	- 2
Total penalty for 7 days.	

#### **Note:-**

- A) The maximum AMC penalty amount will be limited to 10% of the AMC Contract Value.
- B) The maximum penalty for a particular equipment shall not exceed the AMC value of the equipment.
- C) For OS & AVS support – System penalty will be charged in full only when system is fully not working. If any command line or file is not working in a system, no penalty will be charged.
- D) Whenever the system and printers cannot be repaired on site within the specified limits, the vendor will have the option to provide an alternate equipment of matching specification. But in case of computer system, the original CPU will be restored if not defective. Failing to these replacements, penalty clause will apply.

#### **2. PREVENTIVE MAINTENANCE (PM) PENALTY:-** Penalty on failure of scheduled PM would be as follows:

In case the supplier fails to submit PM reports, a penalty of Rs. 100 per week or part thereof will be levied for the period so delayed.

#### **AMC CHARGES:-** Refer Schedule II

#### **PAYMENT TERMS:-**

The implementation of AMC is de-centralized. 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 consignees. The bills along with certified monthly downtime statements of the custodian officers shall be forwarded by the consignees to the ARUs. The ARU will reconcile this, pass 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.

Payment will be made as per the actual quantity of work. Bill for payment will be addressed in triplicate to the consignee. The payment will be released by the ARU of concerned consignees.

If the supplier fails to execute the AMC agreement on request from KSEB Limited and fails to carry out AMC works after expiry of the warranty period, the AMC will be re-tendered/ arranged through other agencies at the risk and cost of the supplier and their Security Deposit will be forfeited.

- f) ..... should store enough spares to avoid the delay in attending fault repairs.

**TERMS:-**

1. The AMC rates mentioned in this contract will be valid for ..... year period from..... to .....
2. System maintenance charges need not include the cost of consumables and supply items such as ribbons, media like magnetic tapes, cartridges, printer heads, printer knob, printer bands, floppy diskettes, computer stationery, CDs & UPS batteries.
3. New equipment purchased from ..... will be included in AMC .
4. The new upgrade items (Memory, HDD, MM Kit etc.) purchased from ..... or any other vendor and upgraded into the existing AMC system will be included in AMC.
5. For downtime calculation, the day on which the call is closed will not be taken as part of downtime. Also if the User is not able to hand over the system to ..... Engineer for maintenance purpose, such time will not be considered for the down time penalty.
6. In case of intermittent failures and repetitive problems due to improper diagnosis or repair, the system will be treated as continuously down. The intermittent failures will be considered so by KSEB limited only if the same problem in the same system repeats more than 2 times within 14 days of initial complaint.
7. This contract extends only to problems arising out of normal functioning of equipment and the contract does not cover break down or services or spares cost, arising out of damages caused due to fire, theft, riots, accidents, earthquakes, storm and other natural calamities.
8. The contractor shall be ready to extend the contract for a further period of not exceeding half year (six months), if required, at the same rates, terms and conditions.
9. Breakdowns due to rat cuts need not be included for downtime calculation.
10. At each location, KSEB Limited will keep record of machine failure including the nature of failure, date and time of booking the complaint (at concerned office or at mutually agreed location), when the machine as made up and the total down time. This record will be signed by ..... Service Engineer and KSEB Limited representative. Format for keeping this record will be as per the Annexure-VI of the Purchase Order.....

For any complaints regarding the system, penalty etc. the authority to take final decision during dispute is Chief Engineer (SCM), Vydyuthi Bhavanam. In such cases, the Head of Office shall produce the System Maintenance Register in original with Signature of suppliers Service Engineer and the KSEB Engineer/ Officer authorized by Head of Office to sign on behalf of KSEB Limited. The authorisation shall be recorded on the 5<sup>th</sup> page of the register with date Name & Designation and signature of head of office. The entry in the register shall start from Page No.6. The Register must have minimum 90 pages. The register must be opened on the date of commissioning of the systems. Technical details of the equipments with Purchase Order No. shall be recorded on **page 4 & 5**. If the head of office fails to produce the register to Chief Engineer (SCM), the head of Office will be responsible for the liabilities.

11. KSEB Limited personnel will be responsible for operating the systems and peripherals. During the period of contract, KSEB Limited will restrict to operational activities only and will not repair/maintain any equipment.
12. The equipment will be handed over back to KSEB Limited after the AMC period in good working condition.
13. If any new hardware will brought into maintenance, it will be inspected by ..... and its maintenance will be taken up after acceptance of the same. In case KSEB Limited decides to withdraw any equipment from contract during the AMC period, the same would be taken out of this contract with written information to .....
14. To monitor the maintenance activity and to discuss other related matters, periodical meetings between KSEB Limited and ..... will be conducted with prior notice from either side. The recommendations of the meetings conducted between ..... and MIS Wing of KSEB Limited shall be forwarded to the Chief Engineer (SCM) for verification and necessary approval after discussion with.....

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.

#### CALL REGISTRATION AND COMPLETION :-

All the maintenance calls will be logged using the System Maintenance Register mentioned in Annexure..... Also, they may be registered with the nearest Contractor's Office. The Contractor shall acknowledge each call with a unique Call no: which is to be used for reference in future. A call slip may be made for each call. The Call 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 hours, fault diagnosed, repairs carried out, components replaced etc. Completion of calls will be certified by the Assistant Engineer or by a nominee. The Contractors Service Engineer shall prepare the call service slips in duplicate. These will be signed by KSEBL & the Contractor's Service Engineer. One copy will be given to the user and one copy will be retained by the Contractor. 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 Sheet after closing the call.

Toll Free Numbers/ E-mail IDs for booking of Complaint are as given below:

#### A) Zigma Solutions, Trivandrum – Customer Support Group - Service Support Details.

Service Centre to Contact for Support		Contact Person	Contact Details
Zigma Solutions, Trivandrum		Joseph Sebastian, Business Development Manager	Ph: 0471-2302703 Mob No: 9947032703 Email: sales@zigmasonline.co.in
Zigma Solutions, Trivandrum		Shafna, Service Coordinator	Ph:0471-2302700/01/02 Mob No: 9947032738
Sl No.	District	Service Engineer	Cell phone Number
1	Trivandrum	Aji	9947032706
2	Kollam	Julias	9947032725
3	Pathanamthitta	Arun	9947032759
4	Alapuzha	Joseph	9947032734
5	Kottayam	Harvest Abraham	9947032712
6	Idukki	Nikhil	9947032758
7	Ernakulam	Prashanth	9947032713
8	Thrissur	Jose	9947032728
9	Palakkad	Gokul	9947032742
10	Malappuram	Gowtham	9947032711
11	Kozhikode	Gowtham	9947032711
12	Wayanad	Shibu	9947032748
13	Kannur	Arif	9947032702
14	Kasargod	Pradeep	9947032701

#### B) OEM Details:

Item	Brand	Telephone No.	E-mail ID
Desktop/ server	Dell	91-80-41197969	www.dell.co.in
Printers/	HP	08061354988	www.hp.com
	EPSON	0484-4012315	anna1989robin@gmail.com

#### REVISION OF MAINTENANCE CHARGES:-

Changes or enhancement in systems features may necessitate revision of the specified minimum maintenance charges and shall be covered by an addendum to this contract.



**FORCE MAJEURE:-**

..... 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 its reasonable control. If ..... is prevented from performing its function under the instrument for a period longer than six months, ..... liability ceases under this contract. Then both the parties shall discuss the course of action to be taken afterwards.

**CHANGE OF OWNERSHIP:-**

The obligation of the contractor /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.

**GENERAL PROVISIONS:-**

This agreement shall supersede all previous communications, both oral and written and the provisions herein contained shall not be omitted, added to or amended in any manner except in writing and signed by both parties hereof.

The Courts situated at the place where the headquarters of the KSEB Limited is situated, viz., Thiruvananthapuram alone will have jurisdiction to entertain civil suits and all other legal proceedings pertaining to this contract.

In witness where of the parties hereto have hereunto set their hands the day and year first above written.

Signed sealed and delivered by.....

..... the Chief Engineer (SCM), acting for and on behalf of the Kerala State Electricity Board Limited.

In the presence of:

Witness: 1)

2)

Signed sealed and delivered by.....

In the presence of (Contractor)

Witness:- 1)

2)