



ADDITIONAL INFORMATION

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**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

**PSNCET, Tirunelveli**



## MAINTENANCE POLICY

PSN College of Engineering and Technology strives to maintain the Academic and Physical facilities for the better utilization of the resources and to minimize depreciation.

The college is having an estate office for maintenance of physical facility which is headed by the estate officer. Systematic procedures have been developed for maintaining the academic facilities. Respective heads of various departments/divisions like HoDs of departments, librarian, and physical director are taking care of maintenance of academic facilities.

In addition to the available maintenance team of the college, the college has also signed agreement for maintenance of fire fighting system, lift, computers, CCTV camera, ERP software, air conditioners etc. Transport Department is headed by its Manager. The maintenance works of all buses, Cars, Vans, Mini Trucks, Tractors, Bulldozer, Electric cars are taken care of by Transport Department. Sewage treatment plant of the college is run and maintained by a team of technicians. The paper waste collected from departments are sent to the waste paper recycling plant which is run inside the college campus under the control of Mechanical and Automation Engineering Department.

Housekeeping team of the college is taking care of all indoor and outdoor sweeping in and around academic buildings, hostels, administrative buildings and library. As large number of trees and plantations are being maintained by the college to make the campus green, the dead leaves collected from the plants during sweeping is used for making bio compost. Use of polythene bags and plastics is banned inside the campus. The food waste collected from the mess is sent to pig farm.

The college follows systematic procedures in maintaining and utilizing the equipment.

### **1. Laboratory**

#### **(a) Maintenance of Laboratory**

- Stock Register is maintained in all departments/Divisions.
- Trained lab Technicians are available in laboratories.

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- Internal stock verification is done every year by a committee constituted by the Principal. Follow up action is taken on the committee's recommendations.
- Labs are painted and upkeep of materials is done regularly.
- Fire extinguishers are installed and refilling is done periodically.
- Instruments and equipment are serviced regularly and as and when required.
- Instruments are periodically calibrated.

## (b) Utilization of Laboratory

- Theory papers are suitably supplemented with practical components
- Faculty and scholars carry out their research
- Lab timetables are prepared and followed in discussion with overall co-ordinator.
- Laboratories are kept open beyond the working hours.
- Utilization register is maintained in all laboratories and facilities.

## 2. College Library

### (a) Maintenance of College Library

- Classification of stacks for Science, Humanities, Engineering and Management, reference and competitive examinations.
- Carrying out extensive annual and internal stock verification
- OPAC facility to access and verify availability of books
- Marking books with unique accession number and arranging in respective subject racks
- Monitoring attendance of library users through e-gate entry
- Displaying 'new arrivals' in separate rack
- Placing Ph.D. thesis in a separate rack in the reference section.
- Adequate number of fire extinguishers placed in the appropriate locations.
- A separate binding section is functioning for maintaining of books and other materials

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## (b) Utilization of Library

- Library functions 24 × 7
- Display the useful newspaper clippings about the college, career opportunities, awards, scholarships, research grants at the entrance of the library.
- Digital library is available for users to download E-books and E-journals using INFLIBNET, DELNET, J – Gate, British Council, Taylor & Francis, IEE and Elsevier.
- A separate reading room is provided with books and periodicals for the aspirants of competitive examinations.
- Braille materials are available for visually-challenged students.
- URKUND plagiarism software is used by staff and research scholars through Research supervisor's login.
- Research scholars and students of neighbouring colleges use the library for reference
- Photocopying and scanning facilities are provided to all users.

## 3. Sports Facilities

### (a) Maintenance of Sports Complex

All Sports facilities like play fields, courts, tracks, flood lights, gym, indoor stadium, and swimmingpool etc. are properly maintained regularly with the help of skilled labours and markers. All the sports infrastructure, its stock and maintenance are done under the headship of Physical Director of the college. Two physical instructors and two markers are assisting the Physical Director.

1. 400 m tracks and fields are watered and rolled once in a week.
2. Kabaddi and Volleyball Court are watered and markings are done daily. Also the Wood dust Powders are sprinkled on the Ground Surface.
3. Basketball court is cleaned every day and painted every year.
4. Hockey and Football fields are cleaned, watered and rolled once in a week.
5. Swimming pool is maintained with water purification and water top up is done if required.

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6. Gym equipment are cleaned and lubricated every day.
7. Indoor sports facilities are maintained every day.

#### b) Utilization

1. All girl and boy students are encouraged to involve themselves at least in a one game.
2. Boys and girls are given separate play fields and courts for their practice session.
3. Identified sports players and students admitted under sports quota are given regular training in the morning (6 to 7.45am) and evening (5.15pm to 7pm)
4. In Yoga centre, meditation and yoga classes are conducted regularly in the morning and evening respectively.
5. Swimming practice is given to all students by a trained coach on holidays and in the evening time.
6. Gym is open to all dayscholar and hostel students during morning and evening and on holidays.
7. Training on athletics is given to the students in the morning and evening every day. Specific athletic training is also given.
8. TA and DA are given to the students and accompanying physical education department staff for participating in the state, national level and university matches.
9. National level PSN trophy for men and women is conducted every year in the month of February for four games viz. Volleyball, Kabaddi, Basketball and hockey.
10. Physical training and parade are conducted in the morning of everyday for B.E- Marine Engineering students as per the Director General of shipping (DGS) norms by a parade officer designated for this purpose.
11. Health and nutrition classes are conducted regularly to all students.


#### 4. Computer

##### (a) Maintenance of Computer

1. Computer support group headed by a faculty of computer science and engineering takes care of maintenance of computers, printers, networking switches, LAN and internet.

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2. It also ensures the proper working of all installed softwares and reinstall the software or upgrade it as and when required.
3. Old computers with very low configurations are upgraded by changing the hardware. Also, they are replaced by high end computers.
4. All academic, administrative and hostel buildings are connected by optical fibre cable for high-speed intranet/internet access.
5. SonicWall firewall is used for security and user management.
6. System files cleaning and fragmentation is done periodically.
7. Fire extinguishers are placed in appropriate location and refilled periodically by a company with which AMC agreement has been signed.
8. Softwares are being purchased with three-year AMC agreement for version upgrade and maintenance.
9. Proper power backup is provided to all computers with online ups end generator set.

#### (b) Utilization of computer

1. Timetable is prepared for all practical courses without any clash.
2. Online tests (MCQ), Quizzes and assignments are conducted.
3. Students are encouraged to learn the subjects in NPTEL & SWAYAM.
4. Computer laboratories are open beyond the working hours for students and research scholars use.
5. Students use the computers systems to download and read E-Journals and Resources.

#### 5. Classrooms

The ICT tools and smart boards available in the classrooms are maintained by the computer support group (CSG) of the college. Estate office is taking care of civil, electrical maintenance and housekeeping of classrooms.

Academic building and classrooms and seminar halls are properly illuminated and 90% of the tube lights have been replaced by energy saving LED lights. Energy saving instructions/posters are placed in all rooms and corridors with the aim of saving energy. Academic buildings have power backup with UPS/Genset.

**PSNCET, Tirunelveli**



*[Signature]*  
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TIRUNELVELI DIST. - 627 152.





## (a) Utilization of Classrooms

- After the regular academic hours, classrooms are used for value added courses, competitions, association meetings, competitive exam trainings etc.

## 6. Other Support Facilities

ATM, Photostat centre, Canteen, Children's day care centre, Dispensary, Stores are well maintained by the concerned in-charges and the Estate office.



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**PSNCET, Tirunelveli**



**NON COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT  
FOR YOUR CUMMINS DG SET**

Ref: JNMPL/AMC/RENEWAL/570/20-21

Date: 15.12.2020

To,

**M/s. PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
MELATHIDIYLOOR POST  
PALAYAMKOTTAI TALUK, TIRUNELVELI**

This contract is entered into between JN MACHINERIES PRIVATE LIMITED, hereinafter referred to as the JNMPL, which expression unless repugnant to the context or meaning there of shall mean and include its successors and M/s.PSN COLLEGE OF ENGINEERING AND TECHNOLOGY, assigns and hereinafter referred to as 'CUSTOMER' which expression unless repugnant to the context or meaning thereof shall mean and include its successors and assigns.

Whereas the JNMPL is engaged in the business of providing after sales service to Cummins Engines and parts thereof and Diesel Generating sets fitted with Cummins Engines.

Whereas the 'CUSTOMER' is the owner of Diesel generating set fitted with Cummins Engine.

Whereas the 'CUSTOMER' has requested to the 'JNMPL' to provide after sales service to the DG Set powered with Cummins products owned by the 'CUSTOMER' & installed at 'CUSTOMER' Premises/ plant/ factory as per the Price Schedule "A"

Now therefore this contract is entered into between the 'JNMPL' and 'CUSTOMER' on the following terms and conditions:

**DEFINITIONS:**

"D.G. Set" means Diesel Generating set fitted with Cummins Engine & Main Alternator and its control panels.

"Day" Means eight hours or part thereof.

**MAINTENANCE OF RECORD:**

Record for maintenance, failure and corrective actions taken, shall be jointly kept by both CUSTOMER and the JNMPL.



JN Machineries Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7/1, Karmachi Nagar Main Road  
Opp. KTC Nagar, VM Chattram,  
Tirunelveli - 627 011  
Phone: +91 452 2520006, 2520884  
Email: jnmpl@jnmpl.com

Registered Office  
Natham Road, Marani Vilakku,  
Oomachikulam, Madurai-625 014 TIRUNELVELI 627 - 627 152  
Phone +91 452 2681765, 2680001  
Fax +91 452 268 1515  
Email: jnmdu@jnmpl.com

**PRINCIPAL**  
**PSN COLLEGE OF ENGINEERING & TECHNOLOGY**  
**MELATHEDIYLOOR, PALAYAMKOTTAI TALUK**





15. During the service contract period, it should be obligatory that no other person other than JNMPL representative or 'CUSTOMER's authorized staff should open the engine to carry out any repair. It would also be obligatory that the 'CUSTOMER' shall purchase parts from Cummins authorized sources and repair and job work is done from an authorized service center of Cummins. If in case, it is observed that the parts have been purchased from unauthorized source or service has been taken from an unauthorized person, JNMPL shall not be responsible for any of the obligations under this Contract and shall have the right to terminate the Contract forthwith.
16. Lock out and tag out procedures to be incorporated adheres to the safety standards.
17. In no event shall the JNMPL be held responsible for any consequences whether direct or indirect which may arise out of 'CUSTOMER's non compliance to the afore mentioned obligations in this clause.
18. 'CUSTOMER' would be responsible for insuring its assets and JNMPL would not be responsible for theft or fire or acts of God, loss or accidental damage to the equipment.

**PAYMENT TERMS:**

Within 30 days after submission of Invoices or otherwise as agreed between JNMPL & 'CUSTOMER'

**VALIDITY:**

This contract will be in effect from JAN/21 to DEC/21 and AMC contract will be getting expired subject to the contract period or completion of 4 Visits whichever occurs earlier. The AMC shall start on the date of signing the AMC and will be valid for a period of 1 year unless terminated earlier by the parties. (As per the termination guidelines)

**TERMINATION:**

Either party may terminate this contract by giving written notice of not less than 30 days. In case of termination the service provide will refund the advance payment made for the services not availed by the 'CUSTOMER' on prorata basis less Service Tax & any other taxes paid by Service provided. This contract shall become null and void if above DG set is shifted from original location to elsewhere without consent of the JNMPL. In case during the period of maintenance agreement, the DG is relocated (or) transported without sufficient prior intimation to the JNMPL, the provider reserves the right to terminate this agreement forthwith. On such termination, 'CUSTOMER' shall have no obligation or liabilities arising out of this agreement and the 'CUSTOMER' shall have no right to claim any refund or compensation.



JN Machines Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7-1, Karmach Nagar Main Road  
Opp. KTC Nagar VM Chalam  
Tirunelveli - 627 011  
Phone +91 452 2520006 2520884

  
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PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152  
Registered Office  
Natham Road, Maran Vilakku  
Oomachikulam, Madurai-625 014  
Phone +91 452 2681765, 2680001  
Fax +91 452 2681515



**LIMITATION OF LIABILITY:**

Notwithstanding anything mentioned in this Contract or in any document processed referring this Contract, the total liability of JNMPL shall be limited upto the amount received by JNMPL till the date. Neither Party shall in any event be liable for any special, indirect, consequential, or incidental damages arising in any way out of this Contract.

**FORCE MAJEURE**

Neither party will be held liable for delays or other failure to perform its obligations which are due to any factor or event outside its reasonable control. Such factors or events dispute, civil commotion, fire or other accident, governmental act or regulation, embargo, not, armed conflict, war, terrorism (Including any threat of not, armed conflict, war and terrorism), act of God, Court order, inclement weather, natural catastrophe, epidemic, respondent non-cooperation, virus/hacker attack, delay or interruption in public communication service, and utility outage.

**ARBITRATION**

Any dispute or difference whatsoever between and parties or person or persons claiming through them arising out of or connection with this contract or regarding the rights or liabilities of the parties or regarding interpretation of this contract or any clause thereof including interpretation of this clause shall be referred to arbitration of two arbitrators, One to be appointed by the Contractor and other by the 'CUSTOMER' and proceedings of the Arbitration Act, 1996 and any statutory modification or re-enactment thereof. Only competent courts at Chennai shall have jurisdiction over the arbitration proceedings in respect of the matters require to be dealt with the Courts in accordance with the Indian Arbitration Act, 1996 except the courts exercising jurisdiction under the Arbitration act as above. No other Court, Tribunal, Commission or Forum (including Consumer Forum, Commission OR Tribunal) shall have any jurisdiction over any dispute and that such jurisdiction is hereby specifically excluded.)

**GOVERNING LAWS AND JURISDICTION**

This Contract shall be governed and construed according to the laws of India. All judicial proceedings shall be subject to the jurisdiction of MADURAI ( India).

This Contract is entered on this.....

Partnership

For JN MACHINERIES PVT LTD

For PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTHORIZED SIGNATORY

AUTHORIZED SIGNATORY



JN Machineres Private Limited  
Authorized Cummins Dealer  
Tirunelveli Office  
No. 7/1, Karnachi Nagar Main Road,  
Opp. KTC Nagar VM Chattram  
Tirunelveli - 627 011  
Phone +91 462 2520006 2520884  
Email jnmtyl@jnmpl.com

Registered Office  
Natham Road, Marani Vakku  
Oomachikulam, Madurai-625 014  
Phone +91 452 2681765, 2680001  
Fax +91 452 268 1515  
Email : jnmmdo@jnmpl.com

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TIRUNELVELI DIST - 627 152



**FIELD SERVICE REPORT  
THREE PHASE UPS**

Doc # **CONSUL-FOR-SER-016**  
 Rev # **01(25-Sep-19)**  
 Page # **1 Of 1**

Service Request No:  
**1100705763**

Order No:  
**6000663417**

Call Received ON & Time:  
**05-SEP-2019 12:48**

Customer Name & Address:  
**PSN COLLEGE OF ENGINEERING TECHNOLOGY  
 PALAYAMKOTTAI TALUK TIRUNELVELI  
 DISTRICT MELATHEDIYOOR**

Contact Person: **MR JEGANLAL**  
 Contact Number: **04634- 279680/978921**  
 Mail Id: **IDZTIRUNELVELI@PSNCET.AC.IN**  
 Web Site:  
 Warranty Period: **FROM 15-SEP-2016 TO 14-SEP-2021**

Product Name: <b>THREE PHASE UPS</b>	Model: <b>FALCON 8K</b>	Sub Model:	Serial Number: <b>000020161900060267</b>	Capacity: <b>135 KVA</b>	Unit Status: <b>WARRANTY</b>
Utility Make: <b>EXIDE</b>	AH: <b>150</b>	Model: <b>SMF</b>	Battery Bank: <b>2</b>	Quantity: <b>32</b>	Batch code: <b>4UK - 32#</b>
Call category: <b>BATTERY REPLACEMENT</b>	Customer Complaint: <b>BATTERY REPLACEMENT</b>			Call Status: <b>COMPLETED</b>	

Problem (Symptom) / Observation: **BATTERY REPLACEMENT**

Corrective Action: **32 NOS OF 150AH EXIDE NBT BATTERIES HAS REPLACED, NOW UPS IS WORKING FINE AND ALL BATTERIES ARE GOOD CHARGING CONDITION. ALL PARAMETERS ARE GOOD FUNCTIONING**

Customer's suggestion if any:

Work required if Any:

Work needed to Replace if Any:

IP Volts		IP Current		Rectifier DC Volts		Battery		OP Volts		OP Current		Frequency		Temperature							
RV	IN	BN	NE	RA	YA	BA	PN	+Vdc	-Vdc	Volt	Amps	UN	UN	UN	UA	VA	VA	UP	OP	Ambi	HS
234	234	237	1	15	12	13	432	-	-	450	6	230	230	230	4	3	5	49.9	49.9	28	34

Customer Equipment Details: **COMPUTER**

Customer Remarks:

Customer Complaint to have been  
 resolved during our visit. Our Satisfaction. We  
 appreciate your change for the service of  
 Consul.

Call Attended Date Time: **05-SEP-2019 13:00**  
 Unit Working Status: **WORKING OK**  
 Call completed Date Time: **05-SEP-2019 18:52**

Engineer Signature:

  
**05-SEP-2019 18:01**

Engineer Name:  
**NAGAMUTHU P.**

Customer Photo:

**NO  
IMAGE**

Customer Sign:

**THRUPATH**

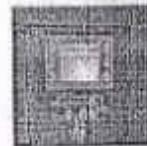
**05-SEP-2019 18:05**

Unit Serial Number:



**05-SEP-2019 17:59**

Display:



**05-SEP-2019 17:59**

Site:



**05-SEP-2019 18:00**

Head Office: **KAWALAM BUILDING NO.7, FIRST FLOOR, NEW LIG COLONY, ANNA NAGAR, MADURAI - 625 029**

Regional Office: **CONSUL, NEMMATT POWER SOLUTION PVT LTD, 119, Electrical & Electronics Industrial Estate, Perungudi, Chennai - 600096**

Customer Care Centre: **0-781000 9655**

Email: **support@consulnemsol.com**

Web: **www.consulnemsol.com**

**PRODUCTS OFFERING**

Three Phase Online UPS / IS Standby Class Online UPS / Industrial Systems / DC Power Systems / Static Transfer Switch / Active Harmonic Filter / Solar Inverter / Solar Power Plant / Industrial Inverters / Stabilizers / Energy Converter For Lighting / Isolation Transformers / Ultra Isolation Transformers / K Rated Transformers

**SERVICES OFFERING**

Annual Maintenance Contracts (AMC) / Annual Maintenance Contracts (Labour - AMC) / AMC for Third Party Stabilizers / Battery Replacement / Surge Protection / Power Audit / Noise Control / Rental UPS And Stabilizers / Stabilizer Or Replacement / Remote Monitoring



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 TIRUNELVELI DIST - 627 152**

# ANAX INFOTECH Pvt. Ltd.,

## CCTV Annual Maintenance Contract

Date: 01.11.2016

### Services

ANAX INFOTECH Pvt. Ltd., CCTV Annual Maintenance Contract provides the following services:

Criteria	Description
<b>ANAX INFOTECH Pvt. Ltd., Annual Maintenance</b>	ANAX INFOTECH Pvt. Ltd., carries maintenance Activities according to Equipment specific maintenance schedule for each equipment.
<b>ANAX INFOTECH Pvt. Ltd., Customer Support Team</b>	ANAX INFOTECH Pvt. Ltd., Customer Support handle technical failures and faults in the CCTV Cameras or for requests of other assistance on site. ANAX INFOTECH Pvt. Ltd., Customer Support Team can be easily accessed through one IVR number and through support portal as tickets. <b>Voice Support: +91 9171233333</b> ANAX Customer Support Team personnel answers to service requests and assigns work to ANAX INFOTECH Pvt. Ltd., technicians to perform the Call-Out Services. Service requests for non-urgent service repair work is assigned to ANAX INFOTECH Pvt. Ltd., field operations
<b>Call-out Service</b>	Call-out Service is designed to solve unexpected equipment failure, equipment stoppage or erratic operation, requiring immediate attention of a ANAX INFOTECH Pvt. Ltd., Technician
<b>Service Repair</b>	Service Repair is repairing a malfunction or broken or damages component in the equipment. By identifying service repair needs in the equipment condition during the maintenance visits, ANAX INFOTECH Pvt. Ltd., is able to perform Service Repair visit even before the equipment's operation is disrupted.



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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

Registered Office:  
176 Twin Building, 2nd Floor (Anjappar Hotel  
Upstairs, Thoothukudi, Tamil Nadu 628003.

Voice Support: +91 9171233333 (8AM - 10PM)  
[info@anaxinfotech.com](mailto:info@anaxinfotech.com)



Appendix1

**TERMS AND CONDITIONS OF NON-COMPREHENSIVE MAINTENANCE CONTRACT**

**1. Period of Contract:** The contract is valid for the period agreed in the above Contract Details. This may be renewed periodically subject to rendering of satisfactory service & fulfilling the term & conditions.

**2. Payment Term:** Payment shall be made 100% advance against approved quote.

**3. Scope:** Maintenance of the CCTV Surveillance System includes Camera Visibility Test,

**4. Non coverage:** Replacement or repairing of CCTV Materials & Accessories which are in faulty condition are not covered under this contract, however ANAX INFOTECH shall arrange for the same on chargeable basis based on Customer's consent. If it is arranged by Customer, the equipment parts replaced must be new and equivalent in performance of existing parts.

Product replacements under manufacturer warranty as per manufacturers terms and conditions.

**5. Additional Charges:** The cost includes the travelling cost for rendering service throughout agreed period for one or all locations & for one or all systems. Additional charges will be applicable for the replacement or repair of spares as mentioned in above clause. Password Reset, Relocation of products and Data Back-up services will be provided on chargeable basis.

Worn-out product repairs will be carried out based on terms & conditions of ANAX InfoTech's service vendor on chargeable basis.

**6. Frequency of Visits**

Customer site will be visited depends upon the AMC Plan.

**7. Working Hours:** The maintenance work shall normally be done during working hours of the customer. However in case of emergency, maintenance may be done beyond office hours and even on holidays, prior arrangement through proper communication should be worked out in all cases.

**8. Final Authority:** The final authority for payments will be Head of the Organization offering the service.

**9. Customer Support:** File your maintenance requests to ANAX INFOTECH Voice Support: +91 9171233333 E-mail: [info@anaxinfotech.com](mailto:info@anaxinfotech.com)

For  
ANAX INFOTECH Pvt. Ltd.  
Thoothukudi, Tamil Nadu 628003.

For  
PSN College of Engineering and Technology  
Melathediyoor, Tirunelveli-627152.



*[Handwritten Signature]*  
01/11/16

*[Handwritten Signature]*

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
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TIRUNELVELI DIST. - 627 152.

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MELATHEDIYOOR, PALAYANKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

Registered Office:  
176 Twin Building, 2nd Floor (Anjappar Hotel  
Upstairs, Thoothukudi, Tamil Nadu 628003.

Voice Support: +91 9171233333 (8AM - 10PM)  
[info@anaxinfotech.com](mailto:info@anaxinfotech.com)

# SATHYA Technosoft (I) Pvt. Ltd.,

## CCTV Annual Maintenance Contract

Date:

Reference No: STS 2 1 1 1 1 2 1 0 8 0




### Parties Details

<b>Customer</b>	<b>SATHYA Technosoft (I) Pvt. Ltd.,</b>
Company Name: PSN COLLEGE OF ENGINEERING AND TECHNOLOGY	SATHYA Technosoft (I) Pvt. Ltd.,
Registered Address:	371, Palayamkottai Road,
PSN Nagar, Melathediyoar, Pallayam Kottai,	Tuticorin-628 002
Tirunelveli - 627152	Tamil Nadu
Contact Person: Sudhakar	Tel: 9952 300 300
Contact Person's Ph. No: 9597970444	Contact Person:
	Contact Person's Ph. No:

### Site Address

Company Name: PSN COLLEGE OF ENGINEERING AND TECHNOLOGY  
 Registered Address: PSN Nagar, Melathediyoar, Pallayam Kottai, Tirunelveli - 627152

This contract has been prepared in two identical counterparts, one for each party. We hereby agree to the General Terms and conditions as detailed in the Appendix 1 & 2.

SATHYA Technosoft (I) Pvt. Ltd.,	Signed by the Customer	Signed by SATHYA Technosoft (I) Pvt. Ltd.,
	 Dr P SELVAKUMAR M.E. Ph.D. EXECUTIVE DIRECTOR PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST 627 152	
Contract No	Date: 24.11.2021	Date:

Registered Office:  
 SATHYA Technosoft (I) Pvt. Ltd.,  
 371, Palayamkottai Road, Tuticorin - 628002,  
 Tamil Nadu, South India.

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 PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST 627 152  
 Voice Support: +91 9952300300  
 24x7 Online Support: [www.sathya.info](http://www.sathya.info)



## Contract Details

Commencement date	23 Dec 2021
Contract duration period	1 Year
Contract renewal Date	23 Dec 2022
Plan Type & No of Visits	1 Scheduled visit per Month(12 visits/Year) #Each additional visit will be on Chargeable basis #The contract does not include any spare replacement #GST is additional #100% payment Advance payment #Backup of data is client scope
Payment terms	Amount as mentioned in Appendix 2 to be paid in advance as per the AMC Plan
SATHYA Technosoft (I) Pvt. Ltd., normal working hours	10.AM to 6.PM(Mon-Sat)

### Equipment Covered Under AMC

Equipment Name	Brand Name	Model No.	Serial No.	Date of Purchase	Warranty Period
CCTV Camera	Hikvision	HIKVISION IP CAMERA DS-2CD120P-I3 (1MP 4MM)		19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV Camera	Hikvision	HIKVISION IP CAMERA DS-2CD130P-I(1MP)		19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV NVR	Hikvision	HIKVISION NVR DS-7P16N1-QZ		19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020
CCTV NVR	Hikvision	HIKVISION NVR DS-7P32N1-K2 (32CH)		19 <sup>th</sup> July 2019	19 <sup>th</sup> July 2020



Head Office:  
SATHYA Technosoft (I) Pvt. Ltd.,  
Palayamkottai Road, Tuticorin - 628002,  
Tamilnadu - South India

**PRINCIPAL**  
PSM COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152

Voice Support: +91 9952300300 (9AM - 9PM)  
24x7 Online Support: [www.sathyainfo.com](http://www.sathyainfo.com)

## Appendix 1

### TERMS AND CONDITIONS OF NON-COMPREHENSIVE MAINTENANCE CONTRACT

1. **Period of Contract:** The contract is valid for the period agreed in the above Contract Details. This may be renewed periodically subject to rendering of satisfactory service & fulfilling the term & conditions.

2. **Payment Term:** Payment shall be made 100% advance against approved quote.

3. **Scope:** Maintenance of the CCTV Surveillance System includes Camera Visibility Test, DVR Recording Test, DVR Settings Verification, and Disk Error Check.

4. **Non coverage:** Replacement or repairing of CCTV Materials & Accessories which are in faulty condition are not covered under this contract, however SATHYA shall arrange for the same on chargeable basis based on Customer's consent. If it is arranged by Customer, the equipment parts replaced must be new and equivalent in performance of existing parts.

Product replacements under manufacturer warranty as per manufacturers terms and conditions.

Data backup & providing product stand-by are not covered in this contract.

5. **Additional Charges:** The cost includes the travelling cost for rendering service throughout agreed period for one or all locations & for one or all systems. Additional charges will be applicable for product replacement or repair of spares as mentioned in above clause. Password Reset, Relocation of products and Data Back-up services will be provided on chargeable basis.

Worn-out product repairs will be carried out based on terms & conditions of Sathya's service vendor on chargeable basis.

#### 6. Frequency of Visits

Customer site will be visited depends upon the AMC Plan in Appendix 2.

7. **Working Hours:** The maintenance work shall normally be done during working hours of the customer however in case of emergency, maintenance may be done beyond office hours and even on holidays, prior arrangement through proper communication should be worked out in all cases.

8. **Final Authority:** The final authority for payments will be Head of the Organization offering the service.

9. **Customer Support:** File your maintenance requests to Sathya. Voice Support : 9952300300 or Online Support: support@sathyainfo.com.

#### 10. Recommended Electrical Wirings

- Proper earthing, proper power plug provisions for the DVR side along with UPS connections
- Proper arrangements in camera side enclose all the camera cables into the box
- All the cables lay into the PVC or any other pipe.
- Must avoid the CCTV cables and electrical cables together



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TIRUNELVELI DIST - 627-152



Registered Office:  
SATHYA Technosoft (I) Pvt. Ltd.,  
-11, Palayamkottai Road, Tuticorin - 628002,  
Tamilnadu - South India

Voice Support: +91 9952300300 (9AM - 9PM)  
24x7 Online Support: [www.sathyainfo.com](http://www.sathyainfo.com)



Appendix 2

AMC PLAN AND PAYMENT DETAILS

Plan Type: 1 Year

No of Visits:  12 Visits in a Year  4 Visits in a year  On Call Basis

Items	Charges
127 Cameras + 5 NVR	Rs.25000/- (Standard Charge)

Details:

Items - 127 Cameras + DVR

Charges

127 Cameras + 5 NVR - Rs. 25000/- (Standard Charge)

Additional \_\_\_\_\_ Cameras - No. of additional cameras \* Charge /camera = Rs. \_\_\_\_\_

Additional 1 DVR - Rs. \_\_\_\_\_

Total Amount = Rs. \_\_\_\_\_

Signature

For Customer

Dr. P SELVAKUMAR M.E. Ph.D.

EXECUTIVE DIRECTOR

P.S.N COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST 627 152



Signature

For SATHYA Technosoft (I) Pvt. Ltd.

PRINCIPAL

P.S.N COLLEGE OF ENGINEERING & TECHNOLOGY

MELATHEDIYOOR, PALAYAMKOTTAI TALUK

TIRUNELVELI DIST - 627 152

Registered Office:

SATHYA Technosoft (I) Pvt. Ltd.,

12/1, Palayamkottai Road, Tuticorin - 628002,

Tamilnadu, South India.

Voice Support: +91 9952300300 (9AM - 9PM)

24x7 Online Support: [www.sathyainfo.com](http://www.sathyainfo.com)

Ref: GS/Tvl/2021105/2021 - 22

Date: 01.10.2021

## AGREEMENT FOR THE MAINTENCE OF ELEVATORS

M/s P S N College of Engineering, (G + 6 Floors/13 persons) Tirunelveli.

Herein after to as the "Owner"

### Equipment Type & Maintenance price Details

Equipment Type : Passenger Elevators  
Type of Contract : Comprehensive Type  
Contract price : Rs. 65,000/- Per lift per annum (Sixty Five Thousand only) Hence for Two lifts Rs. 1,30,000/- (One lac Thirty thousand only)  
Period of Contract : Start date after signing of the contract.

GS LIFTS agrees upon the terms and condition of this agreement (attached) to provide the Maintenance and repairs services specified in the condition. (The Services) in respect of the equipment located at the above premises.

In consideration of the provision by GS LIFTS of the services the owner agrees to pay the maintenance fees of the payment dates.

This agreement shall commence on the commencement date and will continue for the period of the agreement specified above, unless terminated or suspended in accordance with the condition of the contract and will continue thereafter on an monthly basis unless terminated by either party giving to the other a one month's advance notice.

Accepted on behalf of  
For GS LIFTS

(Authorized Signatory)



Accepted on behalf of  
The "OWNER"

Dr. P SELVAKUMAR M.E. Ph.D.  
EXECUTIVE DIRECTOR  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152



10/94E, Erumbukadu & (P.O.), Nagercoil, Kanyakumari Dist., Pin : 629 004.

Ph : 04652 264544, | Mob : 8489565655, 9486629511

Email : gslifts@gmail.com | Website : www.gslifts.in

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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152



**AGREEMENT FOR ANNUAL MAINTENANCE OF ELEVATORS**

BUILDING NAME	PSN COLLEGE
LOCATION	TIRUNELVELI
MAKE & TYPE OF ELEVATORS	JOHNSON
No.OF.ELEVATORS	TWO
TYPE OF CONTRACT	COMPREHENSIVE

**COMPREHENSIVE CONTRACT****SECTION : 1****GS Lifts Shall:**

1. Service the lifts at regular intervals and as frequently as the company deems necessary based on the age, nature and condition of the elevator and we will take all reasonable care and maintain the lift equipment in safe and proper working condition.
2. Carry out the service work whenever possible on a day convenient to the customer other than Sunday & Holidays and during regular working hours.
3. Assume no responsibility for refinishing repairing the following non-proprietary items of the lift equipment and we have not included for the same in this contract. Car enclosure's car flooring, hoist way enclosure, hoist way and car door, door and gate handles, door beading, door frames, sills push box covers in landings and car electric incoming mains, main switch, EPABX Telephone intercom, fan and light fittings, mirror, alarm bell and buzzer, emergency light, alarm device, main VVVF drive, A R D and batteries.
4. Be entitled to depute its authorized service personal to attend all call back during normal working hours, free of charges.



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**TIRUNELVELI DIST - 627 152**



## GS LIFTS»

5. Repair overhaul the lift parts when in our judgment, the conditions warrant and the old parts will be removed and this will become our property.
6. Not included in this contract to depute its service personnel for any other work, which does not come under the purview of the contract, if it becomes necessary whether required by statutory body or otherwise, the company shall charge you extra and it shall be payable in advance.
7. Replenish the Gear and Motor bearing with necessary GS Lifts Lubricants whenever necessary and all parts of the lift will be checked, cleaned and lubricated to keep them, both mechanically and electrically in perfect working condition.
8. Carry out according to its standards customary annual safety test to examine all safety devices. The company will not be required to make any other tests. The company will not be required to install new attachments or to make replacements with parts of a different design to the elevator whether or not recommended or directed by Insurance Companies or by Government or Non-governmental authorities.
9. Not be liable for repairing or replacing any lift which in our opinion is damaged or broken due to accident or negligence or misuse or willfully damaged by the users or third party or due to reasons over which the company has no control.
10. Replace any components or parts of the life, if it becomes necessary, on account of the reasons quoted under clause No.9, such work will be carried out after obtaining your consent and the cost of the same will be to your account, in addition to the contract charges.
11. By notice in writing to the customer forthwith terminate this contract and/or not be liable for any loss and/or not make replacements and repairs free of charge, in any of the following circumstances:
  - (a) If the customer fails to pay the company the amount as and when due under this contract.



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TIRUNELVELI DIST - 627 152



## GS LIFTS»

- (b) Where the company is prevented for a continuous period of 3 months from performing its duties for any reason and for any circumstances beyond its control.
- (c) Where without the company's prior written consent, any work within the scope of this contract is carried out by anyone other than the company's service personnel or Agents.
- (d) Where, after written notice to the customer about important work or replacement to be carried out, which are not within the scope of this contract, the customer refuses or fails to carry out the said work/replacements within a reasonable time.
- (e) Where equipment is not prevented from misuse by the customer.
- (f) Where materials, components, parts or assemblies are not longer available due to obsolescence or if they are permanently taken out of production by the original supplier, when the supply and use of alternative replacement materials, components, parts or assemblies (as the case may be) shall be at the cost of the customer. In the event, the company considers themselves unable to supply any materials or parts for the purpose of this agreement, this agreement shall forthwith terminate without prejudice to the company's accrued rights and without any liability to the company for such termination.
- (g) Where damage or delay is caused due to strikes, lockouts, civil commotion, war, theft, floods, riots, explosion or act of God or cause beyond our control.
- (h) Where damage is caused to all or part of the elevator as a consequence of a faulty electrical system, fire, water seepage, flooding etc. It is recommended that the client takes adequate protection form insurance or similar companies to cover equipment for damages that can occur due to such cases. In such and event, the cost of repair or replacement shall be reimburse to us without any conditions of limitations.



  
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**MELATHEDIYOOR, PALAYAMKOTTAI TALUK**  
**TIRUNELVELI DIST - 627 152**

## Section 2

### **The Customer Shall:**


1. Keep the machine room under lock and key to prevent pilferage and theft.
2. Keep the sils machines room and put clean
3. Notify the company of any malfunction what sever of the elevator.
4. Prevent misuse or vandalism of the elevator:
5. Ensure that two trained persons in the building are available for emergency rescue of trapped passengers.
6. Not allow any other persons, either his own or a third party to tamper with elevator or rectify any of the elevator components during the subsistence of this contract with the explicit understanding that any breach of this clause shall relieve the company of all further obligations under this contract.

## Section 3

### **General Terms:**

1. If it becomes necessary to replace any components of parts of the lift on account of the reason quoted under clause No.9 (Section 1). Such work shall will be to your account.
2. The company is not expected to assume liability for injury (other than to its employees) or damage to property resulting from or caused by the elevator during its operation.
3. In case of a reported being attended by the company which it finds is due to extraneous causes such as failure of power supply, improper closing of doors, unauthorized interference by strangers over which the company has no control, a service charges of Rs.200/- shall be levied.
4. In case of any dispute between us, the matter shall be settled by arbitration in Chennai and the Chennai court shall has exclusive jurisdiction.
5. During the period of servicing, the lift shall not be available for your use but the lift operator should be present till the servicing work is completed.



  
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## GS LIFTS»

6. The service contract shall be for a minimum period of one year.
7. The quotation is valid for a period of 30 days from the date of offer and thereafter subject to our confirmation.
8. Upon notification by the customer of a breakdown or failure in the elevator, the company shall send as soon as may reasonably be possible during the company's normal working hours, a technician to carry out necessary repairs in order to restore the elevator to satisfactory working condition.
9. As a token of your acceptance please sign and return to us the original and duplicate copies of the contracts together with the payment. We shall sign and return the original contract form for your records.

### Contract Charges:

Our price for providing the regular comprehensive maintenance contract as detailed herein above is Rs. 65,000/- (Sixty Five thousand only) per lift per annum. Hence for two lifts Rs. 1,30,000/- (One lac Thirty Thousand only)

Contract period: 10<sup>th</sup> October 2021 to 09<sup>th</sup> October 2022.

Yours truly,

For GS LIFTS

(Authorized Signatory)



Accepted in Duplicate by Owner  
Or His Representative with seal

*DM*  
Dr. P SELVAKUMAR M.E. Ph.D.  
EXECUTIVE DIRECTOR  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152



*[Signature]*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152

**GS LIFTS»**

PAYMENT TERMS

50% as advance

50% as post dated cheque (after completion of first six months date)

Accepted on behalf of

GS Lifts

(Authorized Signatory)



Accepted on behalf of PSN college

(Authorized Signatory)

*Pm*  
Dr. P SELVAKUMAR M.E. Ph.D.  
EXECUTIVE DIRECTOR  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYODUR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST 627 152



*[Handwritten Signature]*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYODUR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152





**SOUTH ASIYA A/C. ENGG. COM**  
87/2, Sathya Moorthy Street, Tirunelveli Town.

Authorised Sales & Service  
Window & Split A/c & Stabilizers

Date: 11.10.2021

**TERMS AND CONDITIONS FOR ANNUAL MAINTENANCE FOR AIRCONDITIONERS**

1. The maintenance contract entered is for one year from 11.10.2021 to 10.10.2022
2. Checking and servicing the unit 4 times in a year.
3. Attending to the unit when called upon by you during normal working hours.
4. Repairing the units or parts thereof, as also overhauling the unit including replacing parts free of charge in our Service Station. If required as a result of fair wear and tear.
5. Providing a service unit as and when available, free of charge during repair / overhaul of the unit in our Service Station.
6. Owner will provide and maintain the electrical installation outside of the room Air conditioner through him licensed Electrical Contractor and will not be responsible for damages due to defect in the electrical installation.
7. The owner of the room air conditioner will have to give us prompt written intimation of any change of location of the unit and also get the new Installation approved by us. We will assume no responsibility for service in case installation of change of location is not given.
8. We have the option to terminate the MAINTENANCE SERVICE if the room air conditioner Serviced / repaired by any part other than ourselves or our authorized dealers in case of the change or ownership or any reason whatsoever.
9. Confidential damages and losses of any nature whatsoever are not covered under the service scheme
10. Compressor failure is not covered under AMC PSNCET has to bear the compressor cost. but there will be no service charges.
11. This maintenance service scheme does not cover damage to machines / ancillaries because of environmental conditions
12. A Voltage supply of +230-10V should be ensured to the supply point to the air conditioner
13. You will have to provide a suitable voltage stabilizer to withstand voltage fluctuations
14. The air conditioners Front grills, outer cover, voltage stabilizer and panels for split units are not covered under this contract
15. Tinkering charges extra
16. At the time of undertaking AMC of the Air-Conditioner which should be in working condition
17. We also take AMC for all brands of AIR CONDITIONERS

For,  
SOUTH ASIYA A/C. ENGG. COM  
87/2, Sathya Moorthy Street,  
Tirunelveli Town.

For,  
PRICIPAL  
PSN College of Engineering and Technology  
Melathediyoar, Tirunelveli



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TIRUNELVELI DIST. - 627 152.

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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



**VECTRA**  
COMPUTER SOLUTION

No. 41, North Veli Street II Floor  
MADURAI-625 001 Tamil Nadu  
Tel: 0452-4370811 Telefax: 2350811  
Sales: 98421-27779 Service: 98421-35734  
E-mail: info@vectra.org

GST No. 113777 • Area Code : 2 5 2 • ST. No. AADFV0487D STOR\*

Department of Engineering and Technology,  
PSN College of Engineering & Technology,  
Melathediyoor, Palayamkottai Taluk,  
Tirunelveli District - 627 152

31<sup>st</sup> July 2016

5 Years Warranty Certificate for Digital Persona Biometric Scanner

Reference: We are pleased to inform you that, the 5 years Warranty Certificate for 90 nos. of Uru  
Digital Persona Scanner is issued to us from the distributor M/s. ID Tech Solutions which are  
your clients. The warranty will be provided by the distributor through M/s.Vectra Computer  
Solutions.

This is for your kind information.

For Vectra Computer Solution:

G. Prathapalan  
General Manager



  
**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152

Show Room

Madurai 625 001 Phone : 0452-4380809



## Warranty Certificate

The Uru 5100 Finger Print Scanners billed to Vectra Computer Solution, No. 41, 1st Floor, North Velli Street, Madurai - 625 001 has 5 (Five) years warranty from the date of billing. The serial numbers for 90 nos. Uru5100 Finger Print Scanners are as below.

1	D600B07960	31	D600B07990	61	D600B18196
2	D600B07961	32	D600B07991	62	D600B18197
3	D600B07962	33	D600B07992	63	D600B18198
4	D600B07963	34	D600B07993	64	D600B18199
5	D600B07964	35	D600B07994	65	D600B18200
6	D600B07965	36	D600B07995	66	D600B18201
7	D600B07966	37	D600B07996	67	D600B18202
8	D600B07967	38	D600B07997	68	D600B18203
9	D600B07968	39	D600B07998	69	D600B18204
10	D600B07969	40	D600B07999	70	D600B18205
11	D600B07970	41	D600B08000	71	D600B18206
12	D600B07971	42	D600B08001	72	D600B18207
13	D600B07972	43	D600B08002	73	D600B18208
14	D600B07973	44	D600B08003	74	D600B18209
15	D600B07974	45	D600B08004	75	D600B18210
16	D600B07975	46	D600B08005	76	D600B18576
17	D600B07976	47	D600B08006	77	D600B18577
18	D600B07977	48	D600B08007	78	D600B18578
19	D600B07978	49	D600B08008	79	D600B18579
20	D600B07979	50	D600B08009	80	D600B18580
21	D600B07980	51	D600B18186	81	D600B18581
22	D600B07981	52	D600B18187	82	D600B18582
23	D600B07982	53	D600B18188	83	D600B18583
24	D600B07983	54	D600B18189	84	D600B18584
25	D600B07984	55	D600B18190	85	D600B18585
26	D600B07985	56	D600B18191	86	D600B07341
27	D600B07986	57	D600B18192	87	D600B07342
28	D600B07987	58	D600B18193	88	D600B07343
29	D600B07988	59	D600B18194	89	D600B07344
30	D600B07989	60	D600B18195	90	D600B08853



Sudhakar Khemani  
Principal

*(Handwritten signature)*

**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST - 627 152

**IDS SOLUTIONS PVT. LTD**  
Plot 1, Vellore, Phase V, Guindy - 600 016  
Tamil Nadu, India. Phone: +91 42555 1034 (lines)  
Fax: +91 42555 1034 Email: info@idsolutionsindia.com

IAS-ANZ



An ISO 9001:2008 Certified Company

GSTIN: 32AGWPA5066A1ZQ

## ONLINE IT SHOPE

Opp.Axis Bank, Market Jn., Hill Palace Road, Tripunithura, Kerala - 682 301  
Ph: 9846244215, 9349337624, 8281841160

Date: 14-11-2021

### AMC AGREEMENT

We Online IT Shope, Tripunithura, Kerala shall maintain the various Computer Systems and other peripherals specified in this Agreement on terms and conditions hereinafter mentioned for PSN College of Engineering and Technology, Melathediyoore, Tirunelveli-627152.

#### **Terms of the Agreement:**

These agreements shall remain in force for the period from 15th November 2021 to 14th November 2022. It shall be open to either party to terminate the Agreement any time during the said period by giving one month notice.

#### **NON COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT:**

Under this following services will be provided.

1. Quarterly preventive maintenance and checks.
2. Operating system level support without any spare part.

For Online IT Shope

Tripunithura, Kerala

  
Shynu Antony

14/11/21

  
PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

For PSN College of Engineering and Technology

Melathediyoore, Tirunelveli



PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
TIRUNELVELI  
DISTRICT  
627 152





## APJ Multi Service Centre

### ANNUAL MAINTENANCE CONTRACT

This Annual Maintenance Contract is for the Six RO Plant of Capacity 250 l/hr, installed at PSN College of Engineering and Technology (Autonomous), Melathediyoore, Tirunelveli-627152.

The following Service will be done as part of the Annual Maintenance Contract (AMC)

- 1) Every 2 (Two) months, our service Engineer, will visit the site, where the equipment is installed, and free service will be done.
- 2) During the above service, 20 inch Micron Filter (2 Nos.) will be changed at free of cost.
- 3) Activated carbon 25kg Sand - 25kg, Membrane filter will be changed at the AMC, the College has to pay for it.
- 4) For the spaces in the equipment installed, during the AMC period, 1 year replacement Warranty is covered, and there will be no labour charges also.
- 5) During the period of the AMC, Complaints (if any) is registered, our service Engineer will attend the complaint at no extra cost within a day.
- 6) This AMC is valid for the period of one Year from 11.11.2021.
- 7) This Annual Maintenance Contract cost is Rs.23,000/- (**Rupees twenty three thousand only**)
- 8) Dosing Pump, Raw water and RO Pump, Panel board with Frame, Sand and carbon vessels are not included at this AMC.

For   
APJ Multi Service centre  
Tirunelveli

For  
Principal  
PSN College of Engineering and Technology



**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



**PRINCIPAL**

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



# GERSHOM ENGINEERING ENTERPRISES

## FIRE PROTECTION SAFETY ENGINEERS

Row D/2, Block NO.10, Transit Camp, Mahim (E) Mumbai - 400 017

Tamil nadu Government Approved

Entrepreneurs Memorandum No. 330291100228

GSTIN : 33CCKPS5410C2ZV

# Certificate

This is to certify that  
we have tested refilled & serviced

FIRE EXTINGUISHER OF  
M/s. **PSN COLLEGE OF  
ENGINEERING AND TECHNOLOGY**

on **01-11-2021**  
and found the same in good working condition

if is valid upto **01-11-2022**

Type of Extinguisher	Capacity	Quantity
Soda Acid Type		
Fome Type	<b>FOAM</b>	<b>02 Nos</b>
D.C.P. Type	<b>50 LIT</b>	
Co2 Type		
BCF Halon		
Water Co2	<b>DCP</b>	<b>- 01 Nos.</b>
ABC	<b>25 kh</b>	
AFFF, Machanical Foam		

For GERSHOM ENGINEERING ENTERPRISES

B.S.T.R.C. No 40017/S-989 w.e.f. 1-4-96  
C.S.T.R.C. No 40017/C-779 w.e.f. 1-4-96

Proprietor



*[Handwritten signature]*

PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEZHIYODU, PALATHIRUOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

# GERSHOM ENGINEERING ENTERPRISES

## FIRE PROTECTION SAFETY ENGINEERS

Row D/2, Block NO.10, Transit Camp, Mahim (E) Mumbai - 400 017

Tamil nadu Government Approved

Entrepreneurs Memorandum No. 330291100228

GSTIN :33CCKPS5410C22V

# Certificate

This is to certify that

we have tested refilled & serviced

FIRE EXTINGUISHER OF  
M/s. **PSN COLLEGE OF ENGINEERING AND TECHNOLOGY**

ON **01-11-2021**  
and found the same in good working condition

if is valid upto **01-11-2022**

Type of Extinguisher	Capacity	Quantity
Soda Acid Type	Co2 4.5kg	02
Fome Type	Co2 2kg	02
D.C.P. Type	Foam 10	04
Co2 Type	DCP 5kg	09
BCF Halon	DCP 6kg	10
Water Co2	DCP 2kg	02
ABC	DCP 10kg	04

For GERSHOM ENGINEERING ENTERPRISES

B.S.T.R.C. No 40017/S-989 w.e.f. 1-4-96

C.S.T.R.C. No 40017/C-779 w.e.f. 1-4-96

Proprietor



**PSN COLLEGE OF ENGINEERING & TECHNOLOGY**  
WELATHEDIYODI, PULLANADOTTAI TALUK  
TIRUNELVELI DISTRICT - 627 152



# CALIBRATION OF EQUIPMENT- CERTIFICATES



**PRINCIPAL**  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.



# GENERAL SCIENTIFIC RESEARCH LABORATORY

सामान्य वैज्ञानिक अनुसंधान प्रयोगशाला



101, First Floor, Ebenezer Castle,  
3rd Street, Kamaraj Nagar,  
Tuticorin - 628008. Tamil Nadu. India.

E-Mail : sales@gsrlab.in /  
gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-01		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC VOLTMETER	Identification No : PSNCET/EEE/VM/01	Range : 0 to 30 VDC	Least Count : 0.5 VDC		
Make : OXFORD	Location : EEE Department.	DUC Condition : SATISFACTORY			
Model : MR-100					
Sl.No : ---					
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 27.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-01	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No		
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01		
1	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02		
			Validity		
			29-Jul-22		
			29-Jul-22		
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.0	0.00	0.64	PASS
2	5.07	5.0	0.07	0.64	PASS
3	10.11	10.0	0.11	0.64	PASS
4	15.23	15.0	0.23	0.64	PASS
5	20.37	20.0	0.37	0.64	PASS
6	30.41	30.0	0.41	0.64	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ  
(Calibration Engineer)

*G. Muthuraj*  
CALIBRATED BY



C. RAHUL SELVAN  
(Tech.manager)

*C. Rahul Selvan*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI  
TIRUNELVELI DIST. - 627 152.

AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-02		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY, Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/EEE/AM/01			
Make : OXFORD		Output Range : 0 to 100 mA			
Model : MR-100		Least Count : 2 mA			
SI.No : ---		Location : ELECTRICAL LABORATORY			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-E-04		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	20.19	20	0.19	1.21	PASS
2	40.37	40	0.37	1.21	PASS
3	60.58	60	0.58	1.21	PASS
4	80.75	80	0.75	1.21	PASS
5	100.98	100	0.98	1.21	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ  
(Calibration Engineer)

*G. Muthuraj*  
CALIBRATED BY



C. RAHUL SELVAN  
(Tech.manager)

*C. Rahul Selvan*  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.  
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-03	Page	: 01 of 05	
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY			
Address	: Melathediyoor, Tirunelveli - 627152.			
Date of Received	: 20-Jan-22	Next Due Date	: 19-Jan-23	
Date of Calibrate	: 20-Jan-22	Date of Issue	: 21-Jan-22	
<b>DISCRIPTION &amp; IDENTIFICATION OF INSTRUMENTS</b>				
Instrument Name	: <b>DIGITAL MULTIMETER</b>	Serial Number	: ----	
Manufacturer	: MASTECH	Range	: MULTIRANGE	
Model Number	: MAS 830L	Resolution	: MULTIRANGE	
Location	: EEE Department.			
<b>ENVIROMENTAL CONDITIONS</b>				
Ambient Temperature	: 24.4 °C	Relative Humidity	: 49.9 %r.h	
<b>METHOD OF CALIBRATION</b>				
GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). It therefore meets the relevant requirements of ISO 9001:2008(E) when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above				
<b>STANDARD INSTRUMENT USED</b>				
<b>INSTRUMENT NAME</b>	<b>SL.NO/ID.NO</b>	<b>CAL.DATE</b>	<b>DUE DATE</b>	<b>TRACEABILITY</b>
MULTI PROCESS CALIBRATOR	HT160100059	30-Jul-21	29-Jul-22	MIKS
HIGH VOLTAGE TESTER	GSR/EMI/15	04-Sep-21	03-Sep-22	Meso
DIGITAL MULTIMETER	TW00026191	30-Jul-21	29-Jul-22	MKS
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

G.MUTHURAJ  
(Calibration Engineer)



  
PRINCIPAL  
PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152  
C. RAHUL SELVAN  
(Tech.manager)



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 02 of 05

### RESULTS OF CALIBRATION

#### DC VOLTAGE

Sr.	RANGE	NOMINAL VALUE	INSTRUMENT READING	DEVIATION	MEASUREMENT
		DC (V)	DC (V)	DC (V)	UNCERTAINTY $\pm$ DC(V)
1	200 mV	10.097	10.1	0.003	0.002
		100.187	100.2	0.013	0.002
		199.681	199.7	0.019	0.002
2	2 V	1.005	0.997	-0.008	0.008
		1.021	1.007	-0.014	0.009
		2.007	1.989	-0.018	0.010
3	20 V	1.005	1.00	-0.005	0.075
		9.997	10.03	0.033	0.075
		19.887	19.99	0.103	0.085
4	200 V	9.77	10.1	0.33	0.711
		99.97	100.4	0.43	0.738
		198.91	199.4	0.49	0.794
5	600 V	99.11	100	0.89	0.711
		298.91	300	1.09	0.738
		597.71	599	1.29	0.794

#### AC VOLTAGE

Sr.	RANGE	NOMINAL VALUE	INSTRUMENT READING	DEVIATION	MEASUREMENT
		AC (V)	AC (V)	AC (V)	UNCERTAINTY $\pm$ AC(V)
1	200 V	1.097	1.1	0.003	0.002
		99.321	99.7	0.379	0.002
		198.941	199.4	0.459	0.002
2	600 V	98.11	99	0.89	0.008
		298.21	299	0.79	0.009
		596.83	598	1.17	0.010

G.MUTHURAJ  
(Calibration Engineer)

CALIBRATED BY



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MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152

C. RAHUL SELVAN  
(Tech.manager)

AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 03 of 05

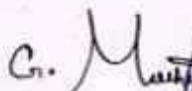
### RESULTS OF CALIBRATION

#### DC CURRENT

Sr.	RANGE	NOMINAL VALUE ( $\mu$ A)	INSTRUMENT READING ( $\mu$ A)	DEVIATION ( $\mu$ A)	MEASUREMENT UNCERTAINTY $\pm$ ( $\mu$ A)
1	20 $\mu$ A	1.07	1.03	-0.040	0.078
		5.05	5.00	-0.050	0.078
		10.07	10.00	-0.070	0.078
		20.01	19.95	-0.060	0.078
2	200 $\mu$ A	19.97	20.1	0.13	0.003
		50.21	50.4	0.19	0.003
		100.51	100.7	0.19	0.003
		199.31	199.6	0.29	0.003
3	2 mA	0.217	0.2	-0.017	0.008
		0.517	0.5	-0.017	0.008
		1.024	1.0	-0.024	0.008
		1.933	1.9	-0.033	0.008
4	20 mA	2.08	2.0	-0.08	0.041
		5.17	5.0	-0.17	0.041
		10.09	9.9	-0.19	0.041
		20.13	19.9	-0.23	0.041
5	200 mA	9.51	9.8	0.29	0.175
		49.31	49.6	0.29	0.175
		98.99	99.3	0.31	0.175
		198.11	198.7	0.59	0.175
6	10 A	0.989	1	0.011	0.605
		4.961	5	0.039	0.605
		7.917	8	0.083	0.605
		8.895	9	0.105	0.605

G.MUTHURAJ  
(Calibration Engineer)

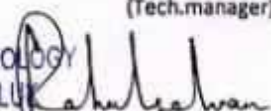
C. RAHUL SELVAN  
(Tech.manager)

  
CALIBRATED BY



PRINCIPAL

PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

  
AUTHORIZED SIGNATORY



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 04 of 05

### RESULTS OF CALIBRATION

#### RESISTANCE ( $\Omega$ )

Sr.	RANGE	NOMINAL VALUE ( $\Omega$ )	INSTRUMENT READING ( $\Omega$ )	DEVIATION ( $\Omega$ )	MEASUREMENT UNCERTAINTY $\pm \Omega$
1	200 $\Omega$	10.00	10.0	0.01	0.088
		50.00	50.03	0.03	0.088
		100.00	99.99	-0.01	0.088
		200.00	199.97	-0.03	0.088
2	2 K $\Omega$	0.20	0.3	0.10	0.12
		0.50	0.5	0.00	0.12
		1.00	1.0	0.00	0.12
		2.00	1.7	-0.30	0.12
3	20 K $\Omega$	1.00	1.1	0.10	0.175
		5.00	5.0	0.00	0.175
		10.00	10.0	0.00	0.175
		20.00	20.0	0.00	0.175
4	200 K $\Omega$	10.00	9.9	-0.10	0.204
		50.00	49.7	-0.30	0.204
		100.00	99.5	-0.50	0.204
		200.00	199.3	-0.70	0.204
5	2 M $\Omega$	0.10	0.1	0.00	0.26
		0.50	0.5	0.00	0.26
		1.00	1.0	0.00	0.26
		2.00	1.9	-0.10	0.26

*M. Pure*

G.MUTHURAJ (Calibration Engineer)	PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	C. RAHUL SELVAN (Tech.manager)
<i>G.M.</i> CALIBRATED BY	<i>M. Pure</i>	<i>Rahulselvan</i> AUTHORIZED SIGNATORY





# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-03 Page : 05 of 05

### USED UNCERTAINTY FORMULA

#### TYPE 'A' EVALUATION

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - \bar{T})^2$$

$T_i$  = Ten Measurement of DUC

$n$  = number of reading

#### TYPE 'B' EVALUATION

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95%.

(Coverage Factor = 2)

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

G.MUTHURAJ  
(Calibration Engineer)

CALIBRATED BY



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PSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYoor, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. - 627 152.

C. RAHUL SELVAN  
(Tech.manager)

AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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### CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-04	Page	: 01 of 02	
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY,,			
Adress	: Melathediyoor, Tirunelveli - 627152.			
Date of Received	: 20-Jan-22	Next Due Date	: 19-Jan-23	
Date of Calibrate	: 20-Jan-22	Issue Date	: 21-Jan-22	
<b>DISCRPTION &amp; IDENTIFICATION OF INSTRUMENTS</b>				
Instrument Name	: <b>DUAL REGULATED POWER SUPPLY</b>			
Manufacturer	: ---	Instrument ID No	: PSNCET/EEE/RPS/01	
Model Number	: 302 D	Range	: 0 to 30 V / 0 to 2 A	
Location	: ELECTRICAL DEPARTMENT	Resolution	: 0.1 V / 0.01 A	
<b>ENVIROMENTAL CONDITIONS</b>				
Ambient Temperature	: 28.6 °C	Relative Humidity	: 49.6 %r.h	
<b>METHOD OF CALIBRATION</b>				
GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E).It therefore meets the relevent requirements of ISO 9001:2008(E) when acting as the suppler providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above				
<b>STANDARD INSTRUMENT USED</b>				
INSTRUMENT NAME	SL.NO/ID.NO	CAL DATE	DUE DATE	TRACEABILITY
6 1/2 DIGITAL MULTIMETER	TW00026191	30-Jul-21	29-Jul-22	MKS
HIGH VOLTAGE TESTER	GSR/EMI/03	04-Sep-21	03-Sep-22	MESO
MULTIPROCESS CALIBRATOR	HT160100059	30-Jul-21	29-Jul-22	MKS
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)	
		<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-04 Page : 02 of 02

### RESULTS OF CALIBRATION

#### VOLTAGE VALUE :

Sr.	RANGE	NOMINAL VALUE Volt	INSTRUMENT READING Volt	DEVIATION Volt	MEASUREMENT UNCERTAINTY $\pm$ (W)
1	0-30 Volt	10.03	10.0	-0.03	0.575
2	0-30 Volt	20.05	20.0	-0.05	0.575
3	0-30 Volt	30.07	30.0	-0.07	0.575

#### CURRENT VALUE :

Sr.	RANGE	NOMINAL VALUE Amps	INSTRUMENT READING Amps	DEVIATION Amps	MEASUREMENT UNCERTAINTY $\pm$ (W)
1	0-2 A	1.001	1.00	-0.001	0.575
2	0-2 A	1.505	1.50	-0.005	0.575
3	0-2 A	2.007	2.00	-0.007	0.575

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
 CALIBRATED BY	 AUTHORIZED SIGNATORY
	 PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-05		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22	Calibration Date : 20-Jan-22		
		Calibration Due : 19-Jan-23	Issue Date : 21-Jan-22		
<b>Details of Device Under Calibration (DUC)</b>					
Description : AC AMMETER	Identification No : PSNCET/EEE/AM/02	Range : 0 to 20 A	Least Count : 0.1 A		
Make : MECO-V	Location : Electrical Department.	DUC Condition : SATISFACTORY			
Model : ---					
Sl.No : 67415					
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 27.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-01	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	A	A	A	A	
1	0.00	0.0	0.00	0.57	PASS
2	2.00	2.0	0.00	0.57	PASS
3	4.97	5.0	-0.03	0.57	PASS
4	9.95	10.0	-0.05	0.57	PASS
5	14.93	15.0	-0.07	0.57	PASS
6	19.92	20.0	-0.08	0.57	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK
		<b>AUTHORIZED SIGNATORY</b>

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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gsrlab01@gmail.com  
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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-06		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/ECE/AM/01			
Make : OXFORD		Output Range : 0 to 50 mA			
Model : MR-100		Least Count : 1 mA			
SI.No : ---		Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No		SOP-E-04	Calibration done at SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	10.24	10	0.24	0.68	PASS
2	20.45	20	0.45	0.68	PASS
3	30.58	30	0.58	0.68	PASS
4	40.81	40	0.61	0.68	PASS
5	50.92	50	0.92	0.68	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
 CALIBRATED BY		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. 627152	 AUTHORIZED SIGNATORY



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-07		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER Make : LABS Model : MO-65 SI.No : —		Identification No : PSNCET/ECE/AM/02 Output Range : 0 to 200 $\mu$ A Least Count : 5 $\mu$ A Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 25.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-E-04		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY ( $\pm$ )	STATUS
	$\mu$ A	$\mu$ A	$\mu$ A	$\mu$ A	
1	25.11	25	0.11	2.91	PASS
2	50.71	50	0.71	2.91	PASS
3	100.95	100	0.95	2.91	PASS
4	151.17	150	1.17	2.91	PASS
5	201.31	200	1.31	2.91	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
 CALIBRATED BY	PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DISTRICT - 627152		 AUTHORIZED SIGNATORY



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### CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-08		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Tirunelveli - 627152.		Receipt Date	: 20-Jan-22		
		Calibration Date	: 20-Jan-22		
		Calibration Due	: 19-Jan-23		
		Issue Date	: 21-Jan-22		
<b>Details of Device Under Calibration (DUC)</b>					
Description	: DC VOLTMETER	Identification No	: PSNCET/ECE/VM/01		
Make	: OXFORD	Range	: 0 to 1 VDC		
Model	: MR-100	Least Count	: 0.02 VDC		
SI.No	: ---	Location	: ECE Department.		
		DUC Condition	: SATISFACTORY		
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 27.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-01	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.00	0.00	0.57	PASS
2	0.20	0.20	0.00	0.57	PASS
3	0.40	0.40	0.00	0.57	PASS
4	0.61	0.60	0.01	0.57	PASS
5	0.81	0.80	0.01	0.57	PASS
6	1.02	1.00	0.02	0.57	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)	
CALIBRATED BY		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	
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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-09		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>					
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC VOLTMETER		Identification No : PSNCET/ECE/VM/02			
Make : LABS		Range : 0 to 15 VDC			
Model : MO-65		Least Count : 0.25 VDC			
SI.No : ---		Location : ECE Department.			
		DUC Condition : SATISFACTORY			
<b>Environmental Conditions</b>					
Environmental Details		Temperature: 27.8° C	Relative Humidity : 61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No : SOP-T-01		Calibration done at : SITE			
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	VDC	VDC	VDC	VDC	
1	0.00	0.00	0.00	0.58	PASS
2	3.07	3.00	0.07	0.58	PASS
3	6.15	6.00	0.15	0.58	PASS
4	9.17	9.00	0.17	0.58	PASS
5	12.21	12.00	0.21	0.58	PASS
6	15.24	15.00	0.24	0.58	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
 CALIBRATED BY		 AUTHORIZED SIGNATORY
PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST - 627152		



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-10		Page No:1 of 1			
<b>Customer Name &amp; Address :</b> M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Receipt Date : 20-Jan-22 Calibration Date : 20-Jan-22 Calibration Due : 19-Jan-23 Issue Date : 21-Jan-22 DUC Condition : SATISFACTORY			
<b>Details of Device Under Calibration (DUC)</b>					
Description : DC AMMETER		Identification No : PSNCET/ECE/AM/03			
Make : OXFORD		Output Range : 0 to 600 mA			
Model : MR-100		Least Count : 10 mA			
SI.No : ---		Location : ECE Department			
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 25.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-E-04	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	6 1/2 DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-Jul-22	
2	MULTIPROCESS CALIBRATOR	HT160100059	MKS/ET/21-22/205-02	29-Jul-22	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DUC VALUE	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mA	mA	mA	mA	
1	100.17	100	0.17	5.78	PASS
2	200.71	200	0.71	5.78	PASS
3	301.11	300	1.11	5.78	PASS
4	401.54	400	1.54	5.78	PASS
5	601.85	600	1.85	5.78	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>		<b>PRINCIPAL</b>	
PSN COLLEGE OF ENGINEERING & TECHNOLOGY TIRUNELVELI DISTRICT 627 152		PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152	
<b>AUTHORIZED SIGNATORY</b>		<b>AUTHORIZED SIGNATORY</b>	



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-11		Page No:1 of 2		
Receipt Date	: 20-Jan-22			
Calibration Date	: 20-Jan-22			
Calibration Due	: 19-Jan-23			
Issue Date	: 21-Jan-22			
<b>Customer Name &amp; Address :</b>				
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoar, Madathur, Tirunelveli - 627152.				
<b>Details of Device Under Calibration (DUC)</b>				
Description	: : SCREW GAUGE	Identification No	: PSNCET/MECH/SG/01	
Make	: Mitutoyo	Range	: 0 to 25 mm	
Model	: ---	Least Count	: 0.01 mm	
Sl.No	: 103-137	Location	: MECHANICAL & METROLOGY	
DUC Condition	: Satisfactory			
<b>Environmental Conditions</b>				
Environmental Details	Temperature: 28.5° C	Relative Humidity	51% Rh	
<b>Standard Operating Procedure Details</b>				
Calibration Procedure No	SOP-M-10	Calibration done at	SITE	
<b>Reference Document Details</b>				
Reference Document	Based on TS-0051			
<b>Reference Standards Details</b>				
S.No	Description	Make/ SI No:	Certificate By	Validity
1	SLIP GAUGE SET	GSR/DMI/01	Exquisite	3-Sep-2022
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

MUTHURAJ.G  
(Calibration Engineer)

C. RAHUL SELVAN  
(Tech.manager)

CALIBRATED BY



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## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-11	Page No:2 of 2
<b>DIAGRAM OF MICROMETER</b>	
<p>Micrometer Screw Gauge</p>	

### CALIBRATION RESULTS

S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	mm	mm	mm	mm	
1	0.500	0.50	0.000	0.032	PASS
2	5.000	5.01	0.010	0.032	PASS
3	10.000	9.99	-0.010	0.032	PASS
4	15.000	15.00	0.000	0.032	PASS
5	20.000	19.99	-0.010	0.032	PASS
6	25.000	24.99	-0.010	0.032	PASS

### REMARKS

- 1.The above mentioned device under calibration was calibrated at SITE.
2. The calibration points are taken as per customer requirement.
- 3.The user should determine the suitability of the instrument for its intended use.
- 4.The recalibration interval should be determined on the user requirement.
5. The item was received in good condition.
- 6.The results stated in this certificate relate only to the item calibrated.
- 7.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 8.Any correction / Modification in this calibration report kindly inform with in 30 days.
- 9.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00

MUTHURAJ.G (Calibration Engineer)   CALIBRATED BY		 C. RAHUL SELVAN (Tech.manager) PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152. AUTHORIZED SIGNATORY
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## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-12	Page	: 01 of 03
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY,,		
Address	: Melathediyoar, Tirunelveli - 627152.		
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22

### DISCRIPTION & IDENTIFICATION OF INSTRUMENTS

Instrument Name	: <u>ANALOG VERNIER CALIPER</u>	SI Number	: ---
Manufacturer	: YAMMAYO	Dial Range	: 0 to 300 mm
Id Number	: PSNCET/MECH/AVC/01	L.C	: 0.02 mm
Location	: Mech&Metrology		

### ENVIROMENTAL CONDITIONS

Ambient Temperature	: 20.5°C	Relative Humidity	: 58 %r.h
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### METHOD OF CALIBRATION

GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above

### STANDARD INSTRUMENT USED

INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	04-Sep-21	03-Sep-22	EXQUISITE

### TRACEABILITY OF STANDARDS

The standard used for calibration are traceable to national standard

MUTHURAJ.G (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>AUTHORIZED SIGNATORY</b>



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TIRUNELVELI DIST. - 627152



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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-12 Page : 02 of 03

### RESULTS OF CALIBRATION

#### CALIBRATION OF EXTERNAL JAWS

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY ±(mm)
1	0.50	0.50	0.00	0.0019
2	50.00	50.00	0.00	0.0019
3	100.00	100.00	0.00	0.0019
4	150.00	150.00	0.00	0.0019
5	200.00	200.00	0.00	0.0019
6	300.00	300.02	0.02	0.0019

#### CALIBRATION OF INTERNAL JAWS

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY ±(mm)
1	0.50	0.50	0.00	0.0019
2	50.00	50.00	0.00	0.0019
3	100.00	100.00	0.00	0.0019
4	150.00	150.00	0.00	0.0019
5	200.00	200.00	0.00	0.0019
6	300.00	300.02	0.02	0.0019

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - T)^2$$

$T_i$  = Ten Measurement of DUC  
 $n$  = number of reading

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95%. ( $K=2$ )

MUTHURAJ.G (Calibration Engineer)			
CALIBRATED BY		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DISTRICT - 627 152	C. RAHUL SELVAN (Tech.manager)

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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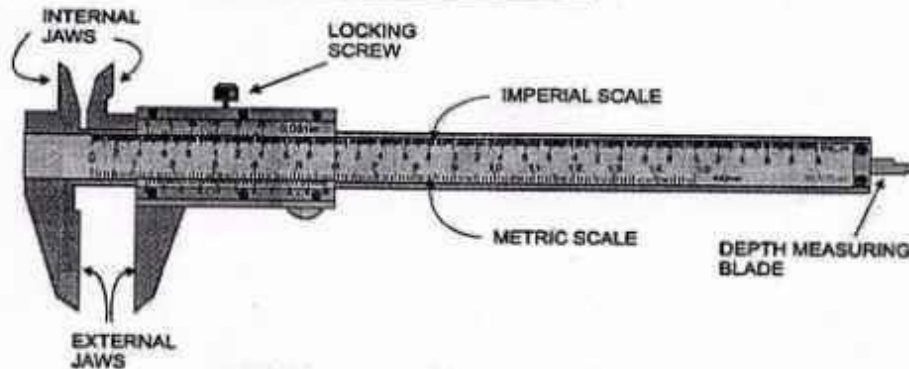
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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-12 Page : 03 of 03

### DIAGRAM OF VERNIER CALIPER



### RESULTS OF CALIBRATION

#### CALIBRATION OF DEPTH MEASURING BLADE

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY(mm)
1	0.50	0.50	0.00	0.0019
2	25.00	25.00	0.00	0.0019
3	50.00	50.00	0.00	0.0019
4	100.00	100.00	0.00	0.0019
5	150.00	150.00	0.00	0.0019
6	200.00	200.00	0.00	0.0019
7	250.00	250.02	0.02	0.0019
8	300.00	300.02	0.02	0.0019

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)	
CALIBRATED BY		AUTHORIZED SIGNATORY	



# GENERAL SCIENTIFIC RESEARCH LABORATORY

सामान्य वैज्ञानिक अनुसंधान प्रयोगशाला



101, First Floor, Ebenezer Castle,  
3rd Street, Kamaraj Nagar,  
Tuticorin - 628008. Tamil Nadu. India.

E-Mail : sales@gsrlab.in /  
gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

CERTIFICATE NO: GSR/CC/T202210-13		Page No:1 of 1			
<b>Customer Name &amp; Address :</b>		Receipt Date : 20-Jan-22			
M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY., Melathediyoor, Tirunelveli - 627152.		Calibration Date : 20-Jan-22			
		Calibration Due : 19-Jan-23			
		Issue Date : 21-Jan-22			
<b>Details of Device Under Calibration (DUC)</b>					
Description	: GLASS THERMOMETER	Identification No	: PSNCET/MECH/GTM/01		
Make	: DIMPLE	Range	: -10 to 110 °C		
Model	: ---	Least Count	: 1 °C		
Sl.No	: ---	Location	: MECHANICAL & METROLOGY		
		DUC Condition	: SATISFACTORY		
<b>Environmental Conditions</b>					
Environmental Details	Temperature: 25.8° C	Relative Humidity	61% Rh		
<b>Standard Operating Procedure Details</b>					
Calibration Procedure No	SOP-T-08	Calibration done at	SITE		
<b>Reference Standards Details</b>					
S.No	Description	Make/ SI No:	Certificate No	Validity	
1	RTD SENSOR	948	JRPM-CCTR-THER-2021-0351	18-03-2022	
2	DIGITAL MULTIMETER	TW00026191	MKS/ET/21-22/205-01	29-07-2022	
<b>Calibration Result</b>					
S.No.	STANDARD INSTRUMENTS READINGS	DEVICE UNDER CALIBRATION READINGS	DEVIATION	EXPANDED UNCERTAINTY (±)	STATUS
	°C	°C	°C	°C	
1	-9.71	-10.0	-0.29	0.81	PASS
2	0.35	0.0	-0.35	0.81	PASS
3	40.41	40.0	-0.41	0.81	PASS
4	80.47	80.0	-0.47	0.81	PASS
5	110.55	110.0	-0.55	0.81	PASS
<b>TRACEABILITY OF STANDARDS</b>					
The standard used for calibration are traceable to national standard					

G.MUTHURAJ (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
	TIRUNELVELI DISTRICT 627 152	PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	
CALIBRATED BY		AUTHORIZED SIGNATORY	

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Tuticorin - 628008. Tamil Nadu. India.

E-Mail : sales@gsrlab.in /  
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-14	Page	: 01 of 02	
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY.,			
Address	: Melathediyoor, Tirunelveli - 627152.			
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23	
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22	
<b>DISCRIPTION &amp; IDENTIFICATION OF INSTRUMENTS</b>				
Instrument Name	: <b>HEIGHT GAUGE</b>	SI Number	: 10216283	
Manufacturer	: Mitutoyo	Dial Range	: 0 to 300 mm	
Id Number	: PSNCET/MECH/GH/01	L.C	: 0.02 mm	
Location	: Mech&Metrology			
<b>ENVIROMENTAL CONDITIONS</b>				
Ambient Temperature	: 20.5°C	Relative Humidity	: 58 %r.h	
<b>METHOD OF CALIBRATION</b>				
GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above				
<b>STANDARD INSTRUMENT USED</b>				
INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	04-Sep-21	03-Sep-22	EXQUISITE
<b>TRACEABILITY OF STANDARDS</b>				
The standard used for calibration are traceable to national standard				

MUTHURAJ.G (Calibration Engineer)	C. RAHUL SELVAN (Tech.manager)
<b>CALIBRATED BY</b>	<b>PRINCIPAL AUTHORIZED SIGNATORY</b>
 PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. - 627 152.	



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-14

Page : 02 of 02

### DIAGRAM OF HEIGHT GAUGE



### RESULTS OF CALIBRATION

#### CALIBRATION OF DEPTH MEASURING BLADE

Sr.	NOMINAL VALUE (mm)	INSTRUMENT READING (mm)	DEVIATION (mm)	MEASUREMENT UNCERTAINTY(mm)
1	0.50	0.50	0.00	0.0019
2	25.00	25.00	0.00	0.0019
3	50.00	50.00	0.00	0.0019
4	100.00	100.00	0.00	0.0019
5	150.00	150.02	0.02	0.0019
6	200.00	200.00	0.00	0.0019
7	250.00	250.00	0.00	0.0019
8	300.00	300.02	0.02	0.0019

### REMARKS/DEVIATIONS IF ANY

1. The recalibration interval should be determined based on the user's requirements.
2. The user should determine the suitability of the instrument for its intended use.
3. The results stated in this certificate relate only to the item calibrated.
4. The item was received in good condition.
5. The calibration points are taken as per customer requirement.

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
CALIBRATED BY	PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOG MELATHEDIYOOR, PALAYAMKOTTA	AUTHORIZED SIGNATORY

# GENERAL SCIENTIFIC RESEARCH LABORATORY

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Tuticorin - 628008, Tamil Nadu, India.

E-Mail : sales@gsrlab.in /  
gsrlab01@gmail.com  
Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert. No	: GSR/CC/T202210-15	Page	: 01 of 02
NABL Doc. No	: NABL-122-01-Doc	NABL LAB ID	: C-1278
Customer	: M/s PSN COLLEGE OF ENGINEERING AND TECHNOLOGY.,		
Address	: Melathediyoor, Tirunelveli - 627152.		
Received Date	: 20-Jan-22	Next Due Date	: 19-Jan-23
Calibration Date	: 20-Jan-22	Issue Date	: 21-Jan-22

### DISCRIPTION & IDENTIFICATION OF INSTRUMENTS

Instrument Name	: <b>BEVEL PROTRACTOR</b>	Serial No	: 1010138
Manufacturer	: Aerospace	Range	: 0 to 360°
Id Number	: PSNCET/MECH/GTM/01	LC	: 1°
Location	: MECHANICAL & METROLOGY		

### ENVIROMENTAL CONDITIONS

Ambient Temperature	: 20.9 °C	Relative Humidity	: 51.6 %r.h
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### METHOD OF CALIBRATION

GSR LAB organisation and practices are derived from ISO/IEC 17025:2017(E). when acting as the supplier providing calibration result. The described instrument has been calibrated at GENERAL SCIENTIFIC RESEARCH LABORATORY under the ambient conditions stated above

### STANDARD INSTRUMENT USED

INSTRUMENT NAME	SL.NO/ID.NO	CAL.DATE	DUE DATE	TRACEABILITY
SLIP GAUGE SET	GSR/DMI/01	4-Sep-2021	3-Sep-2022	Exquisite
ANGLE GAUGE SET	GSR/DMI/10	4-Sep-2021	3-Sep-2022	Exquisite

### TRACEABILITY OF STANDARDS

The standard used for calibration are traceable to national standard

Result of calibration last page

MUTHURAJ.G (Calibration Engineer)		C. RAHUL SELVAN (Tech.manager)
	<b>PRINCIPAL</b> PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOR, PALAYAMKOTTAI TALUK TIRUNELVELI DIST. 627 152	

CALIBRATED BY



# GENERAL SCIENTIFIC RESEARCH LABORATORY

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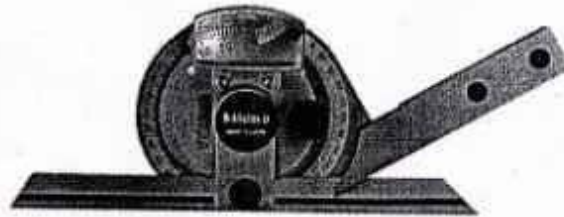
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Website : http://www.gsrlab.in

## CALIBRATION CERTIFICATE

Cert.No : GSR/CC/T202210-15

Page : 02 of 02

### DIAGRAM OF DEGREE PROTRACTOR



### RESULTS OF CALIBRATION

Sr.	NOMINAL VALUE (DEGREE)	INSTRUMENT READING (DEGREE)	DEVIATION (DEGREE)	MEASUREMENT UNCERTAINTY (DEGREE)
1	0.000	0.00	0.000	0.0019
2	90.002	90.00	-0.002	0.0019
3	180.001	180.00	-0.001	0.0019
4	270.002	270.00	-0.002	0.0019
5	360.002	360.00	-0.002	1.0019

### USED UNCERTAINTY FORMULA

#### TYPE 'A' EVALUATION

$$S^2(T_i) = \frac{1}{n-1} \sum_{i=1}^n (T_i - \bar{T})^2$$

$T_i$  = Ten Measurement of DUC

$n$  = number of reading

#### TYPE 'B' EVALUATION

Uncertainty of master instrument

$$U_{b1} = a/k$$

Uncertainty of standard instrument

$$U_{b2} = a/k$$

Resolution of DUC

$$U_{b3} = a/\sqrt{3}$$

The Estimated Uncertainty to be associated with the result is calculated at a confidence level of approximately 95% (K=2)

MUTHURAJ.G (Calibration Engineer)			C. RAHUL SELVAN (Tech.manager)
CALIBRATED BY		PRINCIPAL PSN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYOOR, PALAYAMKOTTAI TALUK	

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**PSN** College of Engineering and Technology  
An Autonomous Institution, Affiliated to Anna University  
Approved by AICTE, Accredited by NAAC with A+ Grade

# HOUSE KEEPING MAINTENANCE



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TIRUNELVELI DIST. - 627 152.



HOUSE KEEPING AND MAINTENANCE STOCK REGISTER NOTE

SL. NO	PRODUCT NAME	QTY	IN STOCK
01	BLEACHING POWDER	2	80
02	DUST BINS	4	110
03	FLOOR CLEANER	5	45
04	LIQUID DETERGENT (SOAP OIL)	6	20
05	BUCKET	7	80
06	MORAM	8	25
07	MAT	9	60
08	CUSHION MAT	10	10
09	SPRAY BOTTLE	11	05
10	LIFEBUY HAND WASH	12	13
11	HAND SANITIZER	13	25
12	BROOM STICK	14	15
13	MUM	15	10
14	PHINEYL	16	30
15	TOILET BRUSH	17	30
16	SOAP STAND	18	20
17	TOWELS	19	25
18	DISHWASH BAR	20	100
19	SPONGE	21	50
20	FACE MASK	22	2000



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 TIRUNELVELI DIST., 627 152

2 BLEACHING POWDER

DATE	ITEMS and	REC'D QTY	ISSUE QTY	BAL	INCHARGE STORE	HOD SIGN
	Work in Place					
08/10/21	P. In Block bathroom cleaning. (MEN)	80	02	78	[Signature]	[Signature]
11/10/21	1 <sup>st</sup> Year Block Mens Bathroom cleaning	78	02	76	[Signature]	[Signature]
13/10/21	P. In Block Women bathroom cleaning	76	03	73	[Signature]	[Signature]
16/10/21	Main block bathroom cleaning Women	73	01	72	[Signature]	[Signature]
21/10/21	BHARATHI HOSTEL bathroom cleaning	72	10	62	[Signature]	[Signature]
02/11/21	NARMAHA HOSTEL cleaning	62	15	47	[Signature]	[Signature]
12/11/21	Mechanical department bathroom cleaning	47	05	42	[Signature]	[Signature]
18/11/21	EEE - 02 block cleaning	42	05	37	[Signature]	[Signature]
27/11/21	ECE department bathroom cleaning	37	02	35	[Signature]	[Signature]
03/12/21	Board Room bathroom cleaning	35	01	34	[Signature]	[Signature]
27/12/21	P. In Block bathroom cleaning	34	02	32	[Signature]	[Signature]
05/01/22	main office cleaning	32	01	31	[Signature]	[Signature]
07/01/22	1 <sup>st</sup> Year block cleaning	31	05	26	[Signature]	[Signature]
10/01/22	main block women bathroom cleaning	26	02	24	[Signature]	[Signature]
12/01/22	ANCHOR hostel cleaning work	24	05	19	[Signature]	[Signature]
16/01/22	Narmadha hostel cleaning work	19	10	09	[Signature]	[Signature]
20/01/22		09	05	04	[Signature]	[Signature]



**PRINCIPAL**  
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 MELATHEDIYOOR, PALAYANKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 452



4 DUST BINS

FLOOR CLEANER 5

DATE	Work in Place	RECD	ISSUE	INCHARGE		HOD
		QTY	QTY	BAL	Sign	
09/10/21	1st year ground floor Labors	110	02	118	Mr	Dr
11/10/21	P.Ln block bathroom ground floor	118	04	114	Mr	Dr
15/10/21	P.Ln Auditorium Hall	114	10	104	Mr	Dr
18/10/21	BHARATHI Hostel	104	05	109	Mr	Dr
21/10/21	Main block ground floor E.D office	109	04	105	Mr	Dr
23/10/21	ground floor physics Lab	105	02	103	Mr	Dr
25/10/21	Narmadha girls hostel III floors	103	10	93	Mr	Dr
29/10/21	Main office ground floor	93	05	88	Mr	Dr
07/11/21	Anchor hostel II nd floor rooms	88	10	78	Mr	Dr
11/11/21	Chemistry Lab in main block	78	03	75	Mr	Dr
16/11/21	P.S.N canteen catter Shop	75	05	70	Mr	Dr
18/11/21	Marine department ground floor	70	10	60	Mr	Dr
27/11/21	Anchor Hostel ground floor, 1st floor	60	10	50	Mr	Dr
03/12/21	EEF block 5th floor Lab	50	02	48	Mr	Dr
07/12/21	CIVIL department 1st floor	48	07	41	Mr	Dr
16/12/21	P.S.N MESS	41	03	38	Mr	Dr
20/12/21	I & A.C office	38	02	36	Mr	Dr
		31	-	31	...	98

DATE	Work in Place	RECD	ISSUED	BAL	INCHARGE	HOD
		QTY	QTY			
16/10/21	P.Ln Block III floor and II nd floor Lab cleaning	45	02	43	Mr	Dr
18/10/21	Main block E.D office Board Room and I & A.C office cleaning	43	03	40	Mr	Dr
29/10/21	1st year block ground and II nd floor cleaning	40	05	35	Mr	Dr
01/12/21	Narmadha Womens hostel I, II nd and III rd floor cleaning	35	10	25	Mr	Dr
07/12/21	Marine department 1st and Lab cleaning	25	02	23	Mr	Dr
17/12/21	Vivekanda auditorium cleaning Purfok	23	05	18	Mr	Dr
05/01/22	P.Ln Auditorium cleaning Purfok	18	03	15	Mr	Dr
08/01/22	P.S.N CATER cleaning work	15	06	09	Mr	Dr
17/01/22	Workshop mechanical cleaning work	09	02	07	Mr	Dr
17/01/22	Computer Lab cleaning work	07	03	04	Mr	Dr



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G. LIQUID DETERGENT, (Sona oil)

BUCKET

7

DATE	Work in Place	RECD			ISSUED			DATE	Work in Place	RECD			ISSUED		
		QTY	QTY	BALANCE	QTY	QTY	BALANCE			QTY	QTY	BALANCE	QTY	QTY	BALANCE
17/10/21	Main office Windows screen Wash	20	02	18	MS	Jr.	03/10/21	SOBES control all boilers and classrooms	80	20	60	MS	Jr.		
27/10/21	E.D office room Window screen and Towels	18	01	17	MS	Jr.	07/11/21	Main block ground floor all rooms and bathroom	60	15	45	MS	Jr.		
13/11/21	Board room screen and cleaning	17	02	15	MS	Jr.	09/11/21	Marine bathroom	45	03	42	MS	Jr.		
17/12/21	Computer Lab Screens cleaning	15	03	12	MS	Jr.	05/12/21	Main office	42	02	40	MS	Jr.		
23/12/21	Mechanical Lab cleaning	12	02	10	MS	Jr.	07/01/22	Anchor hostel control floor and bathrooms	40	20	20	MS	Jr.		
05/12/21	TCS and cse Lab cotton cloths cleaning	10	05	05	MS	Jr.	11/01/22	Library cleaning work	20	05	15	MS	Jr.		
07/01/22	dispensary bed cloth cleaning	05	05	00	MS	Jr.	12/01/22	Bharathi hostel work	15	03	12	MS	Jr.		



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TIRUNELVELI DIST. - 627 152.



Date	Work in Place	RECD		ISSUED	BALANCE	Inchase		Date	Work in Place	RECD		ISSUED	BALANCE	Inchase	
		QTY	QTY			Sign	Sign			QTY	QTY			Sign	Sign
02/10/21	I St year classroom Entro	25	05	20	NR	Jr		02/11/21	Mechanical department class rooms and Labs	60	10	50	NR	Jr	
10/10/21	P.in block bath room	20	02	18	NR	Jr		05/11/21	P.in block I st, IInd and III rd floor rooms	50	15	35	NR	Jr	
12/11/21	Main office Entrance	18	02	16	NR	Jr		07/11/21	Workshop	35	05	30	NR	Jr	
27/11/21	CSE department Labs	16	06	10	NR	Jr		10/11/21	Bharathi hostel	30	10	20	NR	Jr	
05/12/21	E.D office and board room entro	10	04	06	NR	Jr		11/11/21	Narmadha hostel	20	15	05	NR	Jr	
06/12/21	Library	06	02	04	NR	Jr									
10/12/21	Anchor hostel Warden rooms	04	02	02	NR	Jr									



*Handwritten signature in green ink.*

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RSN COLLEGE OF ENGINEERING & TECHNOLOGY  
MELATHEDIYOOR, PALAYAMKOTTAI TALUK  
TIRUNELVELI DIST. 627 152.





Date	Work in Place	RECD		BAL	Incharge Sign	HOD Sign
		QTY	QTY			
05/10/21	Ist year block all bathrooms	13	05	08	<i>[Signature]</i>	<i>[Signature]</i>
07/11/21	Mechanical, EEE and ECE DEPT all bathrooms	08	05	03	<i>[Signature]</i>	<i>[Signature]</i>
05/02/22	Main office, and E.D office & some bathrooms	03	02	01	<i>[Signature]</i>	<i>[Signature]</i>

Date	Work in Place	RECD			Incharge Sign	HOD Sign
		QTY	QTY	BAL		
17/10/21	EEE Classroom and Lab entrance	25	02	23	<i>[Signature]</i>	<i>[Signature]</i>
02/11/21	ECE and L&S	23	03	20	<i>[Signature]</i>	<i>[Signature]</i>
09/11/21	Main office entrance	20	04	16	<i>[Signature]</i>	<i>[Signature]</i>
11/11/21	P.G block class rooms	16	05	11	<i>[Signature]</i>	<i>[Signature]</i>



PRINCIPAL  
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 MELATHEDIYUR, PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. - 627 152.

Date	Work in Place	RECD	ISSUED	BAL	Inchase		MOD
		QTY	QTY		Sign	Sign	
07/11/21	1st year block Ground floor	15	03	12	Mr	Mr	
09/11/21	Main office	12	01	11	Mr	Mr	
11/12/21	T.A.C. Office	11	01	10	Mr	Mr	
17/12/21	Chemistry Lab	10	02	08	Mr	Mr	
19/12/21	Physics Lab	08	03	05	Mr	Mr	
20/12/21	Work shop General	05	02	03	Mr	Mr	
05/01/22	E.D office	03	01	02	Mr	Mr	
09/01/22	1st year Ground floor	02	02	-	Mr	Mr	

Date	Work in Place	RECD	ISSUED	BAL	Inchase		MOD
		QTY	QTY		Sign	Sign	
09/11/21	1st block front bank work	10	01	09	Mr	Mr	
16/12/21	Marine department	09	04	05	Mr	Mr	
05/01/22	E.E						
16/01/22	E.D office	05	02	03	Mr	Mr	



**PRINCIPAL**  
 P.S.N. COLLEGE OF ENGINEERING & TECHNOLOGY  
 MELATHERYOOR PALAYAMKOTTAI TALUK  
 TIRUNELVELI DIST. 627 502



Date	Work in Place	RECD			ISSUED		Incharge	HOD	Date	Work in Place	RECD			ISSUED		Incharge	HOD
		QTY	QTY	BAL	QTY	QTY					QTY	QTY	BAL	QTY	QTY		
07/10/21	Marine department bathroom	30	02	28	M		J	02/11/21	MBA department	30	02	28	M			J	
09/11/21	mechanical department	28	03	25	M		J	07/12/21	Vivekanand auditorium	28	01	27	M			J	
11/01/22	CSE, ECG and EEE department	25	06	19	M		J	05/01/22	Board room	27	01	26	M			J	
								07/01/22	P.in auditorium	26	01	25	M			J	
								11/01/22	ED office	25	01	24	M			J	



*[Handwritten signature]*

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 MELATHEDIYOOR, PALAYANKOTTAI TALUK  
 TIRUNELVELI DIST - 627 152





DATE	Work in Place	RECD	ISSUED	BAL	Incharge	HOD	Date	Work in Place	RECD	ISSUED	BAL	Incharge	HOD
		QTY	QTY		Sign	Sign			QTY	QTY		Sign	Sign
05/12/21	PSN Coffee Shop	100	10	90	M	<i>[Signature]</i>	07/12/21	I st year HOD	50	04	46	M	<i>[Signature]</i>
08/12/21	MESS	90	10	80	M	<i>[Signature]</i>	08/12/21	Mechanical dept	46	05	41	M	<i>[Signature]</i>
07/12/21	PSN coffee Shop	80	10	70	M	<i>[Signature]</i>	11/12/21	EEE dept	41	05	36	M	<i>[Signature]</i>
10/12/21	MESS	70	10	60	M	<i>[Signature]</i>	15/12/21	ECE dept	36	04	32	M	<i>[Signature]</i>
							01/12/21	Main office	32	08	30	M	<i>[Signature]</i>
							07/12/21	Board Room	30	01	29	M	<i>[Signature]</i>
							11/12/21	Main Gate	29	01	28	M	<i>[Signature]</i>



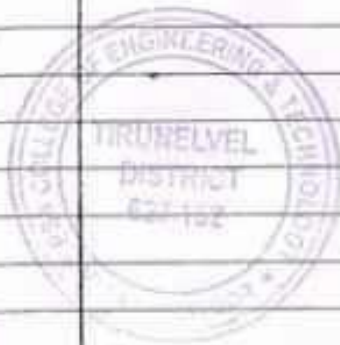
*[Handwritten signature]*

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 TIRUNELVELI DIST. - 627 152.

## FACE MASK

Date	Work in place	RECD	ISSUED	BAL	Incharge	Mod
		QTY	QTY		sign	sign
06/10/21	To: SoBES dept	2000	100	1900	M	J
07/12/21	To: marine dept	1900	200	1700	M	J
02/01/22	To: ECE dept	1700	100	1600	M	J
05/01/22	To: MBA	1600	100	1500	M	J
07/01/22	To: CSE	1500	100	1400	M	J
11/01/22	To: EEE	1400	100	1300	M	J
16/01/22	To: mech & Aero	1300	200	1100	M	J
17/01/22	To: mechanical	1100	100	1000	M	J

~~PS~~



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# PRINTER, SCANNER AND COPIER MAINTENANCE



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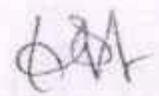



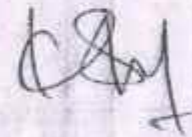

Maintenance Register - Printers/Scanners/Copiers

10	Date	Department / Division	Name of the Complaint	Parts replaced work done	Done by	HOD sign	Principal Sign.
	03/09/21	ED office	Printer - 337 Toner, Drum Problem.	Completed	Mr. Raja	for [Signature]	[Signature]
	03/09/21	Board Room	Printer - 12A Refill (Additional Drum)	Completed	Mr. Raja	for [Signature]	[Signature]
	03/09/21	Sobes / HoD Room	Printer - 88A Refill.	Completed	Mr. Raja	[Signature]	[Signature]
	26/08/21	ED Office	Printer - 337 Toner Refilled	Completed	Raja Stan	[Signature]	[Signature]
5	11/11/21	I year	Toner Refill Toner Drum Bleed	Completed	Raja	[Signature]	[Signature]



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	31/8/21	CSE	HP 1020 Printer Freight Recharges	Compiled	Mr. Raja	
6	30/8/21	MBA	Tadlan fillim Printer Toner Sensor 12A Toner Refilling Dram & Blake	Compiled	Mr. Raja	
7	29/9/21	Solar Lab	88A Toner Refilling	"		
8	27/11/21	Board Room	12A Toner Refilling	Compiled	Mr. Raja	 
9	3/12/21	Main office	Brother Toner Refilling			



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10	6/12/21	Ed office	Canon Toner Refilling	Completed	<u>Done</u>
11	9/12/21	civil dept	toner cartridge summer level	Completed	P. m n.
12	18/12/21	ED office	HP Printer	12A Toner Refill	
13	22/12/21	COE	12A Toner Refilling	Completed	
14	31/12/21	CSE	HP 1020 Printer motor Printer service	Completed	

*(Handwritten signature)*

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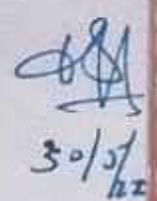
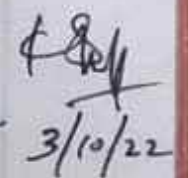



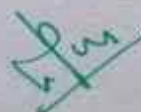


# RO PLANT MAINTENANCE



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TIRUNELVELI DIST. - 627 152.

S NO	DATE	NATURE OF THE WORK	AMOUNT	SIGN
40	30.12.2021	RO plant full maintenance [Carbon, Stone, Sand, Filter, membrane]	20,000	 30/12/21
41	27/5/22	RO plant - 2 inch wound (Filter - 2 replaced)	1300	 30/5/22
42	28/10/22	RO plant - 4 way mcb replaced.	1350	 3/10/22
43	20.03.22	R.O Plant - membrane, media, 20 Inch wound changed	17,000	 3/10/22



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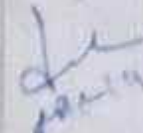
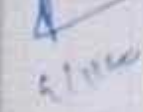
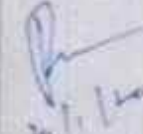
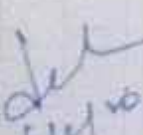
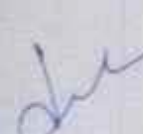
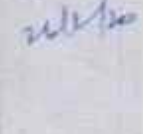
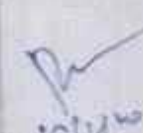


S.No	DATE	NATURE OF WORK	AMOUNT	SIGN
33)	22/01/20	RO filter 16,500	16,500	A
34)	04/02/20	RO mps 800	800	A
35)	25/02/20	RO filter 16,500	16,500	A
36)	05/03/21	Film tech membrane 1000	1000	A
37)	19/03/21	I.R filter 230	230	A



*Handwritten signature in green ink.*

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S.No	Date	Nature of Work	Amount	Sign.
31	28/12/19	Ro Filter 16,500	16500	
32	4/1/20	IR Filter 230	230	
33	29/1/20	Ro housing 1000	1000	
34	4/2/20	Film tech membranes 1600	1600	
35	26/2/20	Ro pump 1600	1600	
36	29/2/20	IR Filter 230	230	
37	<del>24/2/20</del> 25/2/21	Film tech membrane 1600	1600	





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			Amount	Sign
32.	8/1/20	IR filter 2200	₹2200	
33.	22/1/20	RO plant filter 16,500	₹16,500	
34.	14/2/20	RO Housing + IR filter 1000                      230	₹1230	
35.	27/2/20	RO pump 1,600	₹1600	
36.	6/3/20	Film tech membrane. 1,600	₹1,600	
37.	19/2/21	RO SMPS 800	₹800	
38.	16/3/21	RO plant filter 16,500	₹16,500	

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40.	27/4/22	RO plant filter change. (2 filters)	1450	 29/4/22
41.	18/5/22	membrane, filter ad service	16,000	 29/5/22

No	DATE	NATURE OF WORK	Amount	S
2.	19.12.22	Filter Change	Rs. 1300	19
18.	17/12/22	2 filter change.		
4	21/4/23	RO Plant Service (Membrane, sand, stone, carbon changed)	17,180	17

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MELATHURUTHI - KALAYAR - OTTAI TALUK  
TAMIL NADU - 627 102.



S.NO	DATE	NATURE OF WORK	AMOUNT	ST/M
36.	26/02/21	I.R Filter 230	230	✓
37.	18/03/21	Film tech membrane 1,600	460	✓
38.	12/10/21	40/40 membrane 3/4, Bal valve 3/4, CPVC union 2 <sup>nd</sup> Filter Service charge	13,000 340 110 900 <hr/> 15,950	✓
39.	7/10/21	2 <sup>nd</sup> Filter S Charge	900 + 350 <hr/> 1250	✓
40	11/12/21	Mumbing, CPVC S Pores - ① 3 - cheye - ①	724	<del>✓</del>

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41.	23/3/22	Chemical wash 20 inch. wound (2 No)	5000 1100 <hr/> 6100	<del>Am</del> Am 15/3/22
42	09/05/22	Chemical wash, - Carbon, filter change <del>Rs</del> Total	7000 5000 <hr/> 12,000	Am Am 15/5/22
43	03/06/22	Filter change (2 No's) chemical change and labour change	1500 + 450 + 0 <hr/> 2450	Am <del>Am</del>
44.	16/6/22	PRINCIPAL PUN COLLEGE OF ENGINEERING & TECHNOLOGY MELATHEDIYODU, PALAYAMKOTTAI TALUK TIRUNELVELI DISTRICT, TAMIL NADU B.M.P. Pump solvent wash valve etc.	14,600/- <del>Rs</del>	Am 16/6/22
45.	20/03/22	20 inch wound Filter (2 No's) labour charge	900 + 300 = Rs. 1200/-	Am 12/03/22
46.	06/01/2023	Membrane, filter, change, labour	Rs. 17,000	Am 06/01/23





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# ELECTRICAL MAINTENANCE



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PSNCET, Tirunelveli



Melathediyoer, Tirunelveli - 627 152, Tamilnadu  
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 An ISO 9001:2015 Certified Institution



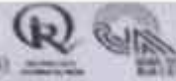
S.NO	DATE	MAINTENANCE	AMOUNT
1.	24/10/22	Purchase materials	Rs. 7105.00
2.	28/10/22	PVC Door Work	Rs. 1308.00
3.	28/10/22	Electrical Materials Purchase	Rs. 5695.00
4.	29/10/22	Purchase electrical & plumbing for Anchor Hostel Bharathi Hostel Mrs Verandah and Anchor Hostel Lockard	Rs. 7213.00
5.	27/10/22 28/10/22 29/10/22	Anchor hostel electrical work labour salary details.	12 = 6 ORL 6 x 1300 Rs. 7800/-
6.	29/10/22	Bush and Turpentine oil for cot painting in Girls hostel.	Rs. 410.00
7.	1/11/22	Anchor hostel Toilet cleaning 30.10.22. cheque for EORL	Rs. 2500/-
8.	02/11/22	Paint material for Anchor & Girls hostel	

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 TIRUNELVELI - 627 152





Melalathediyoor, Tirunelveli - 627 152, Tamilnadu  
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 An ISO 9001:2015 Certified Institution



SNO	DATE	MAINTENANCE	AMOUNT
9	04/11/22	Paint brush & emery sheet for Anchor hostel / purchase material	Rs 420/- ✓
10	12/11/22	Fan winding work in Anchor hostel	Rs. 6780/-
11	05/11/22	Electrical work in the Anchor's Girl's & street light	Rs 6500/-
12	31/10/22	COT painting work in girl's hostels	Rs. 3520/-
13	31/10/22	COT painting work in girls hostel	Rs 6270/-
14	31/10/22	purchased western tank for bath room work in the Anchor hostel	Rs 6700/-
15	14/11/22	Mr. Mani + 12 no. of new PVC at Bharathi hostel cheque from I.E(I) a/c	Rs. 20400/-
16	15/11/22	oil let cleaning work cheque from I.E(I) a/c	Rs 65,530/-
17	18/11/22	purchased Inverter and Battery for Bharathi hostel MERS cheque from fire & safety a/c	Rs. 1,10,000/-
18	19/10/22	purchased electrical & plumbing material for girl's hostel cheque from I.E(I) a/c	Rs. 2567/-



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PHONE: 04654 275887, 04654 275888.

# LIBRARY MAINTENANCE



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PSN COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)					51				
Sr No	DATE	NAME OF THE EQUIPMENT	SUPPLIED BY	QUANTITY	NATURE OF MAINT. WORK	DETAILS OF PARTS REPLACED/DETAILS OF SERVICE	VALUE	Signature of Inspector	Principal's Sign
01	24.07.20	Blanking (Drawing Paper)	Shri Sri Vidyut Polymers Ltd.	44	Yes		1700.00	Handwritten	Handwritten
02	28.07.20	Printer	Royal Star Printer Technology Palayamkottai	01	Repairing the toner cartridge in HP Laser Jet 1020		300.00	Handwritten	Handwritten
03	31	Colour Print	CC Kerox	07	Change Repair for G.Machine		70.00	Handwritten	Handwritten
04	31	Blue Star Hot cold and normal water dispenser	Amazon	01	Purchased		1,160.00	Handwritten	Handwritten
05	31	Exide 12V/26Ah Seat Batteries	Securities House Systems	20	Purchased		23000.00	Handwritten	Handwritten
06	02.08.20	Service charges for repair & maintenance of entire unit (Repair of numeric printing SPS Machine)		1	Service		4,500.00	Handwritten	Handwritten
07	10.08.20	Books	Purchased	05	Purchased		775.00	Handwritten	Handwritten
08	23.8.20	Electrical materials	Purchased	10	Boys' Hostel		441.00	Handwritten	Handwritten

  
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# SEWAGE TREATMENT PLANT MAINTENANCE



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PSN PG, EC and PYTC STP PLANT - PSNCET water using Garden.

Date	STP Final Water using Timing ON	STP Final Water using Timing OFF	STP Final Water meter Reading Hours Total hours	STP Final Water Liters	STP Final Water Total Liters	STP Plant In-charge
01.07.22	22.5 Hours	64.5 Hours	86 Hours	28,86,000 Liters	28,86,000 Liters	<i>[Signature]</i>
31.07.22	72. Hours	72. Hours	96 Hours	49,20,000 Liters	49,20,000 Liters	<i>[Signature]</i>
01.08.22	21.5 Hours	<del>62.5</del> 65.5 Hours	82.30 Hours	66,00,000 Liters	66,00,000 Liters	<i>[Signature]</i>
31.08.22	58.5 Hours	59. Hours	117 Hours	30,80,000 Liters	30,80,000 Liters	<i>[Signature]</i>
01.10.22	20. Hours	61.5 Hours	81. Hours	66,80,000 Liters	66,80,000 Liters	<i>[Signature]</i>
30.11.22	21 Hours	64. Hours	85.0 Hours	68,40,000 Liters	68,40,000 Liters	<i>[Signature]</i>
01.12.22						

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STP Operator  
 N. Ramanyanappa  
 PSNCET  
 21/11/22





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# DEPARTMENT LAB MAINTENANCE REGISTER

11	23/12/19	Torsion Testing m/c	Technician	01	Preventive	Counter weight type rephased			A	Tung
12	24/01/20	Rockwell Hardness Testing m/c	Technician	01	Routine	Cleaning			A	Tung
13	24/09/21	UTM	Technician	01	Routine	Oiling & Greasing			A	Tung
14	28/09/21	Spring Testing machine	Technician	01	Routine	cleaning			A	Tung
15	4/10/21	Brinell Hard ness Testing m/c	Technician	01	Preventive	Ball inter denters change			A	Tung
16	25/11/21	Shore D' Hardness Tester	Technician	01	Routine	Cleaning			A	Tung
17	5/1/22	Torsion Testing m/c	Technician	01	Routine	Cleaning			A	Tung
18	16/7/22	Torsion Testing m/c	Technician (SK Testing Instruments)	01	Preventive	Load Gauge Needle Assembly Service	3000/-		A	Tung



S/NO	DATE	NAME OF THE EQUIPMENT	SERVICED BY (Company Name)	QTY	NAME OF MAINTENANCE DONE	DETAIL OF PARTS REPLACED	VALUE	REMARKS	STAFF IN-CHARGE	MOB
22	27/06/22 To 30/06/22	Lathe	Painter	06	Painting work		6000/-		AS	AS
23	1/7/22	Radial drilling m/c	Painter	01	" "		1000/-		AS	AS
24	2/7/22	Power Hack saw m/c	Painter	01	Painting work		1000/-		AS	AS
25	2/7/22 To 8/7/22	Electrician	Electrician		Electrical work		79,000/-		AS	AS
26	22/07/22	Electrical Service by M. 0004145	Electrician	01	Electrical work	Repairing wiring for who he subjected. N. R. P. R.	4441/-		AS	AS
12	22/11/21	(Spike, 3 core m/c, Junction, Tap, etc)	Acquisition	01	Acquisition				AS	AS
23	21.07.2022 to 27.07.2022	P.S. D.S.M. Electrical	Electrician Mr. Anant	2 hours	Electrical work		7800/-		AS	AS
28	26.07.22 27.07.2022 (2 hrs 45)	P.G. & S. J. S. no	S.S. RAMS & P. S. no	1 labour	Rest work as laid & Rovers as floor area		3500/-		AS	AS

11	23/12/19	Torsion Testing m/c	Technician	01	Preventive	Counter weight type rephood			A	Tung
12	24/01/20	Rockwell Hardness Testing m/c	Technician	01	Routine	Cleaning			A	Tung
13	24/09/21	UTM	Technician	01	Routine	Oiling & Greasing			A	Tung
14	28/09/21	Spring Testing machine	Technician	01	Routine	Cleaning			A	Tung
15	4/10/21	Brinell Hard ness Testing m/c	Technician	01	Preventive	Ball inter denters change			A	Tung
16	25/11/21	Shore D' Hardness Tester	Technician	01	Routine	Cleaning			A	Tung
17	5/1/22	Torsion Testing m/c	Technician	01	Routine	Cleaning			A	Tung
18	16/7/22	Torsion Testing m/c	Technician (SK Testing Instruments)	01	Preventive	Load Gauge Needle Assembly Service	3000/-		A	Tung



IGN College of Engineering and Technology

Department of Electrical and Electronics Engineering

S No	Date	Name of the Equipment	Serviced by	Duty	Nature of Maintenance Done	Details of Services	Value (Rs)	Remark	Staff Incharge	HO D
78	22/7/22	Comphen Fan brown	J.S.R. Electrical and Plumbing	2	-	New Comphen fan replaced	33000	Good	SR	SR
79	22/7/22	LED Tube light set	J.S.R. Electrical and Plumbing	2	-	New LED Tube light set has been replaced	33000	Good	SR	SR
80	22/7/22	100 Sq. wire 6011	J.S.R. Electrical and Plumbing	2	-	New 100 Sq. wire has been replaced	93000	Good	SR	SR
81	23/07/22	Highland sheet 8x4 8x6 10x8 4x4 6x4	J.S.R. Electrical and Plumbing	3 4 1 20 8	-	New highland sheet replaced.	9000 12000 10000 40000 21600	Good Good Good Good Good	SR	SR
82	23/07/22	1 1/2" casing Patti	J.S.R. Electrical and Plumbing	8	-	New casing Patti Replaced	68000	Good	SR	SR
83	23/07/22	LED Tube light	J.S.R. Electrical and Plumbing	4	-	New LED tube light replaced	66000	Good	SR	SR
84	23/07/22	Switch box 30x6 25x6	J.S.R. Electrical and Plumbing	120 120	-	New Switch box replaced	15100 7200	Good Good	SR	SR
85	27/08/22	Service charges for Repair and Maintenance of online UPS. (Repair of numeric online UPS (Rs 6800))	Quantum Power Systems	1	-	Online UPS problem has been replaced	6800	Good	SR	SR
86	12/06/23	Sanitary hall windows Repair	Shridhar and Team	5	-	New window glass are fixed	17,875	Good	SR	SR

S	Date	Name of the Equipment	Serviced by	Qty	Nature of the maintenance
87	21/6/23	PCs CPU	Agni Computer	4	-
88	15/7/23	Toner Refilling	Royal Star printer	2	-
89	26/9/23	Electrical Machines Power Electronics lab Service	Hsd Enterprises	11	Service.

Details of Part replaced / Details of service	Value (Rs.)	Remarks	Staff Exchange Sign	HOD Sign
Now PC are repaired	10,975	Good		
1. Hard disk - 2 nos - 1,2 2. Cabinet <sup>(chassis)</sup> cabinet - 1 nos - 1 3. Mother board - 1 nos - 2				
Now Toner Refill is good	600	Good		
1. SCR TRIAC & IGBT Trainer 2. VI Characteristic of DIAC & TRIAC 3. SCR characteristic Trainer 4. DIAC & TRIAC characteristic Trainer 5. MOSFET & IGBT characteristic Trainer 6. Transient characteristic trainer 7. 1 ph fully controlled bridge rectifier 8. 3 ph Alternator 9. Dc Compound Generator 10. Dc Series Motor 11. 3 φ Synchronous Motor & Drive		Good.		
All Equipments are Serviced				



27.	8/6/22.	Submersible. Pump.	Self	01	Suction Delivery Ball valve Complaint P. Gearing mounting	Suction Delivery Ball valve P Gearing Mounting Replaced.	1340/-	Rsun
28.	9/6/22.	Self Pumping pump	Self.	01	Foot Valve Complaint	Replacement of foot valve	1000	Rsun
29.	16/6/22.	Venturimeter	Self	01	Pump Problem. Trouble shooting. Rod Rounding	Pump Trouble shoot	3600/-	Rsun
30.	16/6/22.	Diesel Engine Test Rig	Self.	01	Nozzle Complaint	Nozzle Repair	250/-	Rsun
31.	5/7/22.	Pelton Turbine	Self	01	Grate Valve Problem.	Grate Valve Serviced	200/-	Rsun
32.	5/7/22	Venturimeter Setup.	Self	01	Value Complaint	Value Replaced.	520/-	Rsun
33.	12/7/22	Venturimeter Setup	Self.	01	Collaring Valve. Ball valve Complaint	Ball valve Replaced.	280/-	Rsun

34.	23/7/22	LED Tube light set	JSR Electrical works	50 sets	Tube light replacement	work is in progress.	7750/-	Mr
35.	27/7/22	Tank work for fluid Mechanics lab	Mr. Mani carpenter	03	2 collecting tanks + 1 Aircraft leg support		4,200	Mr
35	11/11/22	Drain Cockpit Friction Loss Experiment FMM Lab	Self	02	Flexible hose Drain cock		500	my
36	11/11/22	Meta-Centre height	Mr. Suresh welder.	1	Running welding & waterproof coating & painting tank		1500	my
37	11-11-22	do	Self	"	Leppom		300	my
38	11-11-22	meta centre height	Self	"	Painting work		3900/-	my
39	12-11-22	ceiling fan	Sri balaji shoves	4	ceiling fan Condenser charging		160	my
40	12-11-22	Switch board	Electrician	1	class room switch charging		218	my
41	13-11-22	Diesel	Indian oil	10 lit	Thermal Lab		1000	my
42	13/11/22	Engine oil. 20-40	Vivam agency	400ml	Viscosity - Thermal Lab		260	my
43	8-3-2023	HP Loco MFP B	Unique tech	Chup -1	Repair Service - Chup Charger		750	my

DM  
26/11/22



45.	10.7.23	Reciprocating pump	Self	'	Cleaning & repair the pump serviced		Equipment cleaned	with [unclear]
45.	18.10.23	4 stroke diesel engine	Mercury Lab Apparatus - Madurai	1	engine maintenance	1,000	Equipment started	18/10/23
46.	18.10.23	Diesel engine	Mercury Lab Apparatus - Madurai	1	Cable and plug	140	Equipment started	18/10/23
47.	18.10.23	Natural & forced convection	Mercury Lab Apparatus - Madurai	1	Rewiring and service work	1,500	Equipment started	18/10/23
48.	<del>18.10.23</del> 18.10.23	Emissivity Apparatus	Mercury Lab Apparatus - Madurai	1	Replacement of 12CH selector switch setup, sensor & service charge	3,200	Equipment started	18/10/23
49.	19.10.23	Refrigeration test Pic	Mercury Lab Apparatus - Madurai	1	Replacement of temperature control unit, sensor, control valve, was refilling & service charge	11,500	Equipment started	19/10/23
50.	19.10.23	Air condition Test Rly	Mercury Lab Apparatus - Madurai	1	Replacement of temperature control unit, sensor, was refilling & service charge	6,600	Equipment started	19/10/23
51.	19.10.23			1		5,200		

51. 19.10.23

Rotometer

Thomas electrical

Shop - Sivanthipuram

1

Pump maintenance.

2 units made  
over 2 1/2 hrs

2500

2500

Pump repaired

12/11/23

52. 19.10.23

Reciprocating pump  
via control panel

Thomas electrical

Shop - Sivanthipuram

1

Pump maintenance.

control panel, over  
control with cover  
Koblerover. val. terminals

2500

11000

Pump repaired

19/11/23

53. 19.10.23

Calibration of  
vertical and  
engine meter.

Thomas electrical

Shop - Sivanthipuram

1

Valve & Pump

2 (pump) 2 (valve)

6450

Pump replaced

19/11/23

19.10.23

EMVINIJA  
observers

19.10.23

2 units made



Sl. No	Date	Name of the equipments / lab	service by a component	Quantity / System no	Name of the maintenance done	details of the parts replacements	Value	Remarks	Staff and sign	HOD
1	3-8-22	Intel intelligent lab / CPU's	system admin	30	Arranging the lab system				<i>[Signature]</i>	
2	5-8-22	Intel intelligent lab / CPU	system admin	15	Software install (Turbo c)				<i>[Signature]</i>	
3	16-8-22	Intel intelligent lab / networks, case,	system admin	Arrange 15	Networking problem	change the IP address			<i>[Signature]</i>	
4	19-8-22	Intel intelligent lab / CPU's	system admin	10	Software install in 9 machines				<i>[Signature]</i>	
5	25-8-22	Intel intelligent lab / CPU's	system admin	4	Trouble shooting of the CPU problem	The RAM will be clearing and working it			<i>[Signature]</i>	
6	30-8-22	Intel intelligent lab / AC	system admin	2	AC working Room cleaning				<i>[Signature]</i>	
7	3-9-22	Intel intelligent lab / CPU	system admin	4	OS installed	system is working			<i>[Signature]</i>	

Sl. No	Date	Name of the Lab/ equipment	Service by Company	Quantity System no	Name of the maintenance	Name of the part replaces	Value	Remarks	Staff Incharge	HOD Sign
8	8-9-22	Intel Intelligent Lab/cable for network,	System admin	3	Cable connected problem on monitor	cpu will be connected the cable monitor working it	-	-	P. Chel	
9	14-9-22	Intel Intelligent Lab/ <sup>Key Board</sup> mouse and mouse.	System admin	2	Replace the keyboard and mouse		-	-	P. Chel	
10	21-9-22	Intel Intelligent Lab/ ac	System admin	2	AC is working it Room cleaning		-	-	P. Chel	
11	29-9-22	Intel Intelligent Lab/ network cable and Jack,	System admin	5	Network issued	Ip address changed network working it	-	-	P. Chel	
12	6-10-22	Intel Intelligent Lab/cpu	System admin	2	Trouble shooting of the CPU	The RAM will be clearing and working it	-	-	P. Chel	
13	14-10-22	Intel Intelligent Lab/cpu	System admin	2	OS installed	System is working	-	-	P. Chel	
			Electrician	1	AC is not working (input power supply is not on)	AC is working it	-	-	P. Chel	



Sr. No	Date	Name of the Lab/ equipment	Service by Company	Quantity / System No	Name of the maintenance	Name of the parts replaced	Value	Remarks	Staff sign	HOD sign
14	28-10-22	Intel Gstellor Lab PC	System admin	2	AC is working	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
15	4-11-22	Intel Gstellor Lab Ram,	System admin	4	Replace the Ram	System is working	-	-	<i>[Signature]</i>	<i>[Signature]</i>
16	16-11-22	Intel Gstellor Lab/PC's	System admin	2	2 no of PC's OS win do w installed	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
17	24-11-22	Intel Gstellor Lab/PC's	System admin	6	On table shooting of the CPU	The Ram will be clearing	-	-	<i>[Signature]</i>	<i>[Signature]</i>
18	9-12-22	Intel Gstellor Lab/PC's	System admin	15	Notepad	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
19	28-12-22	Intel Gstellor Lab/PC	System admin	15	AC is working	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
				4	Room clearing	The Ram will be clearing and	-	-	<i>[Signature]</i>	<i>[Signature]</i>

S.No	Date	Name of the Lab/ equipment	Name of the service by company	Quantity / System No	Name of the maintenance	Name of the parts replaces	Value	Remarks	Staff Incharge	HOD Sign
20	4-1-23	Intel Intelligence Lab/ CPU's	System admin	15	Java software installed	-	-	-	-	-
21	11-1-23	Intel Intelligence Lab/ CPU	System admin	5	Trouble shooting of CPU	System is working	-	-	-	-
22	23-1-23	Intel Intelligence Lab/ AC	System admin	2	AC is working	The RAM will be cleaning and working it	-	-	-	-
23	27-1-23	Intel Intelligence Lab. software pendrive	System admin	15	Java software installed	-	-	-	-	-
24	3-2-23	Intel Intelligence Lab. software pendrive	System admin	2	Micro soft powerpoint software installed	-	-	-	-	-
25	3-2-23	Intel Intelligence Lab 1	System admin	2	Replace the mouse	CPU will be connected the monitor	-	-	-	-



S.No	Date	Name of the equipment	Service by company	Quantity	Name of the maintenance	Name of the parts replaced	Value	Remarks	Staff Incharge	HOD
26	9-2-23	Intel intel lab / network cable	system admin	4	Network issued	IP address changed network is working it	-	-	<del>Pr</del>	<del>Pr</del>
27	14-2-23	Intel intel lab / CPU's	system admin	15	Install the python programming software	software installed	-	-	<del>Pr</del>	<del>Pr</del>
28	24-2-23	Intel intel lab / Ram issues, CPU's	system admin	2	Pr numbers of the played issues. check the RAM and cleaning	-	-	-	<del>Pr</del>	<del>Pr</del>
29	2-3-23	Intel intel lab / CPU's	system admin	5	trouble shooting of the CPU	The RAM will be cleaning and working it	-	-	<del>Pr</del>	<del>Pr</del>
30	11-3-23	Intel intel lab / PC	system admin [Electrician]	1	PC is not working (input power supply is not on)	PC is working it	-	-	<del>Pr</del>	<del>Pr</del>
31	18-3-23	Intel intel lab / Ram / CPU's	system admin	2	software install	-	-	-	<del>Pr</del>	<del>Pr</del>
					Pr number of displayed issues check the RAM and cleaning	-	-	-	<del>Pr</del>	<del>Pr</del>

S No	Date	Name of the lab/equipment	Service by Company	Quantity / System No	Name of the maintenance	Name of the parts replaced	Value	Remarks	Staff Incharge	HOJ
32	28-3-23	Intel Intellixer Lab/Rack, Network Cable,	System admin	arranging the network system	assembling the network system number of Jacks	JACK, LAN cable RJ45, 2 meter cable (LAN)			<del>Prof. [Signature]</del>	<del>HOJ</del>
33	7-4-23	Intel Intellixer Lab / Pentium CPU's Network Lab,	System admin	15 check the software with programming					<del>Prof. [Signature]</del>	<del>HOJ</del>
34	19-4-23	Intel Intellixer Lab / CPU's	System admin	6 Trouble shooting of the CPU	The RAM will be cleaning and working it				<del>Prof. [Signature]</del>	<del>HOJ</del>
35	27-4-23	Intel Intellixer Lab / CPU's	System admin	5 System cleaning	RAM cleaning				<del>Prof. [Signature]</del>	<del>HOJ</del>
				2 PC working it	PC working it				<del>Prof. [Signature]</del>	<del>HOJ</del>
36	10-5-23	Intel Intellixer Lab / network admin cable.	System admin	5 Cable connected	PC will be connected the cable monitor working it				<del>Prof. [Signature]</del>	<del>HOJ</del>
37	19-5-23	Intel Intellixer Lab / CPU's	System admin	10 mi cross software					<del>Prof. [Signature]</del>	<del>HOJ</del>
38	26-5-23	Intel Intellixer Lab / CPU's	System admin	5 Installed the used at studio					<del>Prof. [Signature]</del>	<del>HOJ</del>



Sl. No	Date	Name of the Lab/Instruments	Service by Company	Quantity	Name of the Maintenance	Name of the parts replaced	Value	Amount	Staff	Signature
39	8-6-23	Intel, Dell, HP Lab, 1	System admin	15	Cleaning the CPU and monitor dusting the PC and fix it	-	-	-	888	888
40	14-6-23	Intel, Dell, HP Lab, Network cable, Track, admin	System admin	7	The network (cables not) is provided	-	-	-	888	888
41	28-6-23	Intel, Dell, HP Lab/ PC	System admin	2	Room cleaning AC working it	The RAM will be cleaning and working it	-	-	888	888
42	11-7-23	Intel, Dell, HP Lab/ PC	System admin	7	Software Installation (Basic Software)	-	-	-	888	888
43	19/7/23	Intel, Dell, HP Lab/ PC	System admin	4	Cleaning and System repair	RAM cleaning and keyboard working	-	-	888	888

S.No	Date	Name of the Lab / Equipments	Service by	Quantity	Name of the Maintenance	Name of the Parts Replace	Value	Remarks	Staff	HO D
44	83/7/23	Antel Antilloger Lab / PCs	System Config admin	2.	System cleaning	OS will be updated	-	-	For Fin chng begin	<del>Chaitanya</del> Srin
45	9/8/23	Antel Antilloger Lab / PCs	System admin	<del>2</del> 4	Trouble Shooting the system	Ram and Hard disk changed, working now	-	-	For Fin chng begin	<del>Chaitanya</del> Srin
46	17/8/23	Antel Antilloger Lab / PCs	System admin	15	System Assembly and checking	Vpn Power cable checked, working now	-	-	For Fin chng begin	<del>Chaitanya</del> Srin
47	30/8/23	Antel Antilloger Lab / Network admin	System admin	4	Network Admin.	IP Address changed and working of	-	-	For Fin chng begin	<del>Chaitanya</del> Srin





S.No	Date	Name of the equipment/ Lab	service by company	Quantity system No	Name of the Maintenance	Name of the part replaces	Value	Remarks	Lab Asst. sign	HOD sign
21	14-12-22	IT Lab [Cabin 384]	system admin CPU	44	Java program installed	-	-	-		
22	15-12-22	IT Lab [Cabin 124]	system admin CPU	9 [77, 74, 81, 72, 93, 31, 13, 18, 53]	Trouble shooting of CPU	The RAM will be cleaning and working fine	-	-		
23	16-12-22	IT Lab [Cabin 104]	system admin CPU	8 (100, 96, 95, 81, 66, 68, 55, 41)	Trouble shooting of CPU	The RAM will be cleaning and working fine	-	-		
24	17-12-22	IT Lab [Cabin 104]	system admin CPU	8 (98, 97, 94, 53, 50, 18, 66, 68) (8)	Trouble shooting of CPU (8) cleaning the systems	The RAM will be cleaning and working fine	-	-		
25	17-12-22	IT Lab [Cabin 104]	system admin CPU	2 (16, 45) 7 (50, 18, 55, 83, 79, 96)	OS installed (8) Trouble shooting of CPU	System is working (8) The RAM will be cleaning and working fine	-	-		



S.No	Date	Name of the equipment/ Lab	Service by Company	Quantity/ System No	Name of the Maintenance	Name of the parts replaces	Value	Remarks	L.A sign	H.O.D sign
26	20-12-22	IT Lab [Cabin 1604]	System admin	10 (1, 13, 18, 33, 40, 42, 59, 62, 69, 95) 3 (16, 67, 89)	Trouble shooting of CPU  start up problems	The RAM will be cleaning and working fine  The system is <del>rebooting</del> not working.	-	-	<u>See</u>	<u>See</u>
27	21-12-22	IT Lab [Cabin 1604]	System admin	33 8 (12, 18, 49, 52, 60, 64, 92, 74)	Weka software installed  Trouble shooting of CPU	The RAM will be cleaning and working fine	-	-	<u>See</u>	<u>See</u>
28	22-12-22	IT Lab [Cabin 1604]	System admin	10 (13, 17, 32, 34, 47, 63, 64, 74, 92, 81) 2 (1, 59)	Trouble shooting of CPU  cable connected problem on monitor	The RAM will be cleaning and working fine  CPU will be connected the cable monitor working it	-	-	<u>See</u>	<u>See</u>
29	23-12-22	IT Lab [Cabin 1604]	System admin	8 (1, 18, 53, 51, 38, 63, 78, 79)	Trouble shooting of CPU  system cleaning	The RAM will be cleaning and working fine	-	-	<u>See</u>	<u>See</u>

SNO	Date	Name of the equipment/ Lab	Service by Company	Quantity/ System NO	Name of the maintenance	Name of the parts Replaces	Value	Remarks	L.A Sign	HOD Sign
30	26-12-22	IT Lab	System [Cabin 1 to 4] admin	18 (18, 31, 34, 38, 45, 56, 59, 63, 70, 79, 81, 84)	Trouble shooting of the CPU	The RAM will be cleaning and working fine	-	-		
		Camera			camera are checking	Camera are working	-	-		<u>Done</u>
31	27-12-22	IT Lab	System [Cabin 1 to 4] admin	9 (31, 33, 47, 56, 55, 84, 86, 94, 95)	Trouble shooting of the EPO	The RAM will be cleaning and working fine	-	-		
		CPU		2 [Cabin 3, 4]	AC is not working (input power supply is not on)		-	-		<u>Done</u>
32	28-12-22	IT Lab	System [Cabin 1 to 4] admin	11 (11, 13, 24, 31, 38, 33, 45, 56, 55, 61, 62)	Trouble shooting of the CPU	The RAM will be cleaning and working fine	-	-		
		CPU		[Cabin 1, 2] (42)	Weka soft were installed		-	-		<u>Done</u>



S.No	Date	Name of Service by the equipment/ company lab	Quantity/ System No	Name of the Maintenance	Name of the part replaces	Value	Remarks	L.A Sign	HOD Sign
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37	4-1-23	IT Lab System [cabinets] admin CPU	12 (1, 18, 19, 31, 38, 51, 53, 59, 75, 87, 95, 97) 55	Trouble shooting of the CPU  python software installed	The RAM will be cleaning and working it	-	-	<u>[Signature]</u>	<u>[Signature]</u>
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38	6-1-23	IT Lab System [cabinets] admin CPU	15 (1, 24, 32, 53, 47, 56, 74, 78, 81, 83, 87, 94, 95, 97, 100) 5	Trouble shooting of the CPU  Network issued	The RAM will be cleaning and working it  IP address changed is working it	-	-	<u>[Signature]</u>	
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39	9-1-23	IT Lab System [cabinets] admin CPU	12 (13, 24, 32, 33, 56, 59, 66, 69, 70, 81, 97)	Trouble shooting of the CPU  System cleaning	The RAM will be cleaning and working fine	-	-	<u>[Signature]</u>	
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40	11-1-23	IT Lab System [cabinets] admin CPU	12 (9, 13, 18, 45, 56, 66, 70, 72, 83, 84, 95, 97)	Trouble shooting of the CPU	The RAM will be cleaning and working fine	-	-	<u>[Signature]</u>	
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S.NO	Date	Name of the equipment/lab	Service by company	Quantity/ System No	Name of the Maintenance	Name of the part replaced	Value	Remarks	L.A Sign	HoD Sign
78	3-5-23	IT Lab	System admin	6 (74, 81, 85, 93, 95, 99)	System cleaning Trouble shooting of the CPU	The RAM will be cleaning and working it	-	-		
79	16-5-23	IT Lab	System admin	4 8 (22, 34, 45, 56, 79, 84, 93, 96)	AC Working it Trouble shooting of the CPU	The RAM will be cleaning and working it	-	-		
80	18-5-23	IT Lab	System admin	4 (56, 77, 80, 94)	UPS water level checking it Trouble shooting of the CPU	The RAM will be cleaning and working it	-	-		
		UPS, Distilled water, cabin 3 cpu's			Jalla 3-8-7 Software installed					
81	20-5-23	IT Lab	System admin		Room cleaning & system cleaning					





s.no	Date	Name of the equipment/ Lab.	Service by company	Quantity/ System No	Name of the Maintenance	Name of the part replaces	Value	Remarks	L.A Sign	H.O.D Sign
90	19-6-23	IT Lab	System admin	5	Network issues	IP address changed network is working it	-	-		
		[Cabin/Ita] CPU		6	Trouble Shooting of the CPU (32, 48, 61, 74, 85, 86)	The RAM will be cleaning and working it	-	-		
91	21-6-23	IT Lab	System admin	5	Trouble Shooting of the CPU	The RAM will be cleaning and working it	-	-		
		[Cabin/Ita] CPU		(81, 83, 92, 94, 95)						
				1	Ac working it					
92	24-6-23	IT Lab	System admin		System cleaning					
		[Cabin/Ita] CPU			Room cleaning					
					camera working it					
				4	ups water level cheking it	fill the water in 4 battery				
93	27-6-23	IT Lab	System admin	6	Trouble Shooting of the CPU	The RAM will be cleaning and working it				
		[Cabin/Ita] CPU		(48, 56, 81, 92, 94, 95)						
				4	ARGOXML software installed					



Sl No	Date	Name of the Lab/Equipments	Service by Company & Equipment Name	Quantity	Name of the maintenance done	Details of the parts replacements	Value	Remarks	Staff Incharge Sign	HO Sign
1.	3.8.22	Project Lab/CPUs and Monitors	System admin	-	arranging the lab system	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
2.	5.8.22	Project Lab/CPUs	System admin	10	Software	Installed (Android Studio, Turbo C++)	-	-	<i>[Signature]</i>	<i>[Signature]</i>
3.	13.8.22	Project Lab/Networks Cables, and Jacks.	System admin	arranging the network system, trimmed (5 no. of system)	arranging the network system	Jacks, LAN cable trimmed <del>15</del> 30 Jack, 2 meter cable (has)	-	-	<i>[Signature]</i>	<i>[Signature]</i>
4.	26.8.22	Project Lab/Computers	System admin	15 Number.	Installed the Visual studio Professional 2010 on Project Lab	Software installed.	-	-	<i>[Signature]</i>	<i>[Signature]</i>
5.	7.9.22	Project Lab/CPUs Software Installed.	System admin	15 Number.	Check the software with programming	Software installed	-	-	<i>[Signature]</i>	<i>[Signature]</i>
6.	23.9.22	Project Lab/Computer	System admin	2 Number.	Trouble shooting of 2 number of system.	Got	-	-	<i>[Signature]</i>	<i>[Signature]</i>
7.	8.10.22	Project Lab/CPUs Network Jacks, Cables,	System admin	15-	16 pc's are checked and the network (Static Net)	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>
8.	17.10.22	Project Lab/CPUs	System admin	1	It provided <del>and</del> pc number of displayed issues; check the ram and cleaning.	-	-	-	<i>[Signature]</i>	<i>[Signature]</i>







S.No	Date	Name of the equipment Lab	Service by Company Name	Quantity System No	Name of the maintenance	Name of the parts replace	Value	Remarks	Staff Incharge sign	HOD Sign
35	28-6-23	Project Lab / Cpu's	System admin	3	System early Room cleaning. projector is working it	Trouble shooting of the cpu The RAM will be cleaning and working it	-	-	Jyoti	[Signature]
36	17-10-23	Project Lab / Cpu's	Ameer Coolest & Infotech J.S. R materials	1	for Fitting Air Conditioner	A/C fitting materials	2009- 92)-	-	Jyoti	[Signature]
37	12.12.23	Network Jack / cat6 Cable	System admin	2-cpu Jack / 2 cat 6 / cable 1 meter,	Network Problem	2 Jack / cat 6 cable one meter.	-	-		
38	16.12.24	Project Lab / 2 Cpu's	Agni computers	2 - Cpu's	2 systems total to Agni computers For maintenance.	Specification of Cpu - Intel processor core in 8th gen. 2 GB - HD Mother Board, 8GB DDR3 - Ram, Hard disk - 512 GB SSD	-	-	Jyoti	[Signature]