

## NAAC Criterion 7: Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.3: The Institution has facilities for alternate sources of energy and energy conservation devices





# PES Institute of Medical Sciences & Research

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## Additional information



# PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH

## 7.1.3: Energy Conservation Measures

As part of our commitment to sustainability and environmental stewardship, our institution has implemented several energy conservation measures. These initiatives align with our mission to reduce our carbon footprint and promote the efficient use of resources in our operations. Given our location in a rural area, we have tailored our energy conservation strategies to be inclusive and accessible to all members of our community.

### Energy-Efficient Infrastructure:

1. **LED Lighting:** We have replaced conventional lighting systems with energy-efficient LED bulbs across the campus, resulting in a significant reduction in electricity consumption. This transition has not only lowered our energy bills but also reduced the frequency of bulb replacements, minimizing maintenance costs.
2. **Solar Power Utilization:** To harness renewable energy, we have installed solar panels on the rooftops of key buildings. These panels contribute a substantial portion of our electricity needs, particularly in powering administrative offices and common areas. The adoption of solar energy also serves as an educational tool for our students, emphasizing the importance of renewable resources.
3. **Energy-Efficient HVAC Systems:** The institution has upgraded its heating, ventilation, and air conditioning (HVAC) systems to more energy-efficient models. These systems are equipped with smart controls that optimize energy usage based on occupancy and weather conditions.

### Behavioural and Cultural Initiatives:

1. **Awareness Campaigns:** PESIMSR conducts regular awareness programs to educate students, faculty, and staff on energy conservation practices. These campaigns remind everyone of the small steps they can take to conserve energy, such as turning off lights and electronic devices when not in use.
2. **Green Practices in Residences:** In our student and staff residences, we have introduced guidelines for reducing energy consumption, including the use of energy-efficient appliances and encouraging natural ventilation over air conditioning. These guidelines are communicated in the local languages to ensure they are understood and followed by everyone.

### Monitoring and Evaluation:

1. **Energy Audits:** Regular energy audits are conducted to assess the effectiveness of our conservation measures. These audits help us identify areas where further improvements can be made and ensure that our energy-saving strategies are yielding the desired results.
2. **Data-Driven Adjustments:** We monitor energy consumption data. This system allows us to make data-driven decisions to optimize energy use, such as adjusting lighting schedules or temperature settings during off-peak hours. These adjustments

include optimizing lighting schedules, and turning off non-essential systems during off-peak hours. By relying on the expertise and motivation of our staff, we ensure that energy-saving measures are tailored to the specific needs of each area, contributing to overall efficiency.

**Future Plans:**

To further enhance our energy conservation efforts, we plan to expand our solar power capacity and explore the use of energy storage solutions. Additionally, we aim to increase the adoption of green building practices in any new construction projects on campus.

**Conclusion:**

Our energy conservation measures are a testament to our institution's commitment to sustainability and responsible resource management. By continuously improving our practices and fostering a culture of energy efficiency, we are contributing to a greener future while maintaining a comfortable and conducive environment for learning and work.

electrical



# POOJA POWER SOLUTIONS

Mfrs. of All types of Control Panels AMF Panels, Synchronizing Panels & Metering Panels

# 179, New Bank Colony, 3rd Cross, Annapoorneshwari Layout, Anjanapura Main Road, Konanakunte, Bengaluru-560 062  
Phone: 94487 18396 | e-mail : pooja\_powersolutions@yahoo.com, sreenivaspoojapowersolutions@gmail.com

To,  
The Facility Manager  
PESIMSR  
KUPPAM  
Chittor Distic

Dt 22.02.24

Sub;- Electrical Audit repots Submission

Dear Sir

we Have done the electrical audit with Repots please follow the repots  
As per the repots rectify the defects  
we do the next audit after rectification (within the 6months )

for poojapowersolutions

Sreenivasulu G



# PPS POOJA POWER SOLUTIONS

#179 New Bank Colony, Anjanapura Main Road, Bangalore - 560062 Mob no 9448718396, 9844901949  
Email: pooja\_powersolutions@yahoo.com, sreenivasponjapowersolutions@gmail.com

Inspection Reporte at ground floor Old Hospitals DB 's

To,  
The Facility Manager  
PESIMSR  
KUPPAM  
Chittor Distic

Dt 22.02.24

s/no	Locastion	DB-NO	40A 4Pole 100 ma	40A 4pole 300ma	40A 2pole 100ma	63A 4Pole	63A 4pole 300ma	16A sp MCB	32ASP C CURVE	32A2POLE D_CURVE	16A SP D.Curve	
1	Arogyasree OPD panel ( old hospital ground floor )	1	0	1	0	0	0	0	0	0	0	This material to change with new one
2	Arogyasree OPD panel ( old hospital ground floor )	2	0	0	0	0	0	0	0	1	9	This material to change with new one
3	Arogyasree OPD panel ( old hospital ground floor )	3	0	0	1	0	0	0	0	0	0	This material to change with new one
4	Arogyasree OPD panel ( old hospital ground floor )	4	0	1	0	0	0	9	0	0	0	This material to change with new one
5	Arogyasree OPD panel ( old hospital ground floor )	5	0	1	0	0	0	12	0	0	0	This material to change with new one
6	Arogyasree OPD panel ( old hospital ground floor )	6	0	1	0	0	0	12	0	0	0	This material to change with new one
7	Arogyasree OPD panel ( old hospital ground floor )	7	0	1	0	0	0	16	0	0	0	This material to change with new one
8	Arogyasree OPD panel ( old hospital ground floor )	8	0	0	0	0	1	16	0	0	0	This material to change with new one
9	Arogyasree OPD panel ( old hospital ground floor )	9	0	0	0	0	0	0	0	1	9	This material to change with new one
10	Periaortic department Near ( old hospital ground floor )	10	0	0	0	0	1	15	0	0	0	This material to change with new one
11	OBG department Near ( old hospital ground floor )	11	0	0	0	0	1	0	0	0	0	This material to change with new one
12	OBG department Near ( old hospital ground floor )	12	0	0	0	0	0	0	0	0	0	ok
13	OBG department Near ( old hospital ground floor )	13	0	1	0	0	0	12	0	0	0	This material to change with new one
14	TB OPD department Near ( old hospital ground floor )	14	0	1	0	0	1	12	0	0	0	This material to change with new one
15	BLOOD Bank department Near ( old hospital ground floor )	15	0	0	0	0	1	12	0	0	0	This material to change with new one
16	BLOOD Bank department Near ( old hospital ground floor )	16	0	0	0	0	1	6	0	0	0	This material to change with new one



17	Emergency medicine department Near ( old hospital ground floor )	17	0	0	0	0	0	0	0	0	0	ok
18	Emergency medicine department Near ( old hospital ground floor )	18	0	0	0	0	0	0	0	0	0	ok
19	Emergency medicine department Near ( old hospital ground floor )	19	0	0	0	0	0	0	0	0	0	ok
20	EmergencyWord ER department Near ( old hospital ground floor )	20	0	1	0	0	0	16	0	0	0	This material to change with new one
21	EmergencyWord ER department Near ( old hospital ground floor )	21	0	0	0	0	0	0	0	1	10	This material to change with new one
22	blood bank department inside ( old hospital ground floor )	22	0	0	0	0	1	16	0	1	0	This material to change with new one
23	blood bank department inside ( old hospital ground floor )	23	0	0	0	0	0	0	0	0	0	ok
24	MRD department inside ( old hospital ground floor )	24	0	1	0	0	0	12	0	0	0	This material to change with new one
25	Virology department inside ( old hospital ground floor )	25	0	0	0	0	1	15	5	0	0	This material to change with new one
26	Virology department inside ( old hospital ground floor )	26	0	0	0	0	0	0	0	0	0	ok
27	Molecular Biology department inside ( old hospital ground floor )	27	0	0	0	0	0	0	0	0	0	ok
28	Molecular Biology department inside ( old hospital ground floor )	28	0	0	0	0	0	0	0	0	0	ok
29	Bio Camecal Lab department inside ( old hospital ground floor )	29	1	0	0	0	0	12	0	0	0	This material to change with new one
30	Bio Camecal Lab department inside ( old hospital ground floor )	30	1	0	0	0	0	15	0	0	0	This material to change with new one
31	Bio Camecal Lab department inside ( old hospital ground floor )	31	0	1	0	0	0	15	1	0	0	This material to change with new one
32	Lbour room department inside ( old hospital ground floor )	32	1	0	0	0	0	12	0	0	0	This material to change with new one
33	Lbour room department inside ( old hospital ground floor )	33	0	0	0	1	0	8	0	1	0	This material to change with new one
34	Lbour room department inside ( old hospital ground floor )	34	0	0	0	1	0	15	0	0	0	This material to change with new one
35	Obstetrics OT department inside ( old hospital ground floor )	35	0	0	0	1	0	12	0	0	0	db has to replace wit new
36	Gyanacology department inside ( old hospital ground floor )	36	0	0	0	1	0	0	0	0	0	This material to change with new
37	Gyanacology department inside ( old hospital ground floor )	37	0	0	0	1	0	16	0	0	0	This material to change with new one





# POOJA POWER SOLUTIONS

Mfrs. of All types of Control Panels AMF Panels, Synchronizing Panels & Metering Panels

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## Inspection Reporte Old Hospital panels

To,  
The Facility Manager  
PESIMSR  
KUPPAM  
Chittor Distic

Dt 22.02.24

### Emergency Medicana Departmet panel ( old hospital ground floor )

- 1 panel cleaning has to do
- 2 panel paninting is required  
control wiring has to do with new wiring (control mcb-3no 250/5 cts-3n0s, ELR WITH
- 3 CBCT --1N0,Indicasting lamp -4no)

### Arogyasree OPD panel ( old hospital ground floor )

- 1 panel cleaning has to do
- 2 panel paninting is required
- 3 control wiring has to do with new wiring (control mcb-3no 250/5 cts-3n0s, ELR WITH  
CBCT --1N0.Indicasting lamp -4no)
- 4 MAIN cable has to replce with new one because Y Phase is not coming from LT ROOM

### Main panel in DG Room

- 1 25kvr capcitor -----10 nos Replace with new once ✓
- 2 50kvar capacitor duty contactors ---10nos Replace with new once ✓
- 3 illumiated push button -----20 no's Replace with new once
- 4 ALL the ACBs has to service ( 11 nos ACB's )
- 5 Multi function meters -----35 no's Replace with new once

### Core Block panel ( old hospital ground floor )

- 1 panel cleaning has to do
- 2 control wiring has to do with new wiring (control mcb-3no 250/5 cts-3n0s, ELR WITH  
CBCT --1N0,Indicasting lamp -4no)
- 3 Muliti function meter replace with new one

### Landary panel ( old hospital Basement floor )

- 1 panel cleaning has to do
- 2 Exsast fan is required to avide heat at electrical room

for poojapowersolutions

Sreenivasulu G

