GREEN CAMPUS POLICY

IMPACT & OUTCOME OF GREEN CAMPUS INITIATIVE
With Special Reference to Solar Electricity Generation Plant & Solar Water Heating Plant

1. INTRODUCTION:

The installation of a Solar Electricity Generation Plant and a Solar Water Heating System has significantly transformed the environmental performance and sustainability profile of the institution.
These renewable energy initiatives demonstrate the college's commitment to eco-friendly practices, energy conservation, reduction of carbon footprint, and promotion of green energy utilization.

Although the renewable energy sources do not meet 100% energy requirements, their partial yet effective contribution has produced measurable positive outcomes.

2. IMPACT OF SOLAR ENERGY INITIATIVES:

2.1 Reduction in Electricity Consumption

The solar electricity plant supplies a considerable portion of the daily power requirement.
Reduced dependency on the state electricity grid.
Noticeable reduction in monthly electricity consumption and electricity bills.
Provides stable power supply during peak hours and reduces load on conventional systems.

2.2 Reduction in Carbon Footprint

Solar energy is clean, green and renewable.
No greenhouse gas emissions during operation.
Direct contribution to lower CO_2 emissions from campus operations.
Helps institution align with national climate action goals.

2.3 Reliable Hot Water Supply Using Solar Heating

The solar water heating system ensures continuous supply of hot water for:
Hospital wards
OPD units
Panchakarma Unit
Hostels
Laboratories

Reduces electricity or LPG consumption otherwise required for heating water.
Ensures hygienic, uninterrupted, and sustainable hot water availability.

QUALITY OF LIFE & CAMPUS EXPERIENCE IMPROVED:

✓ Enhanced patient comfort
Hot water availability for IPD wards improves patient comfort and clinical care.

✓ Better learning environment
Students experience a living model of renewable energy, strengthening environmental learning.

✓ Reduced system failures
Solar-based systems reduce strain on electrical infrastructure.

4. EDUCATIONAL AND AWARENESS IMPACT:

4.1 Live Model for Teaching Ayurveda & Sustainable Practices

The solar plant acts as a practical demonstration model for:
Swasthavritta (Environmental Health)
Agada Tantra (Toxicology & Environmental principles)
Rachana Sharir & Physiology departments (Bioenergetics context)

4.2 Sensitization of Students & Staff

Awareness programmes conducted on:
Renewable energy
Energy conservation
Green campus concept
Environmental protection
Encourages students to adopt eco-friendly practices at home and in society.

5. FINANCIAL IMPACT:

✓ Reduction in monthly electricity bills
Direct measurable savings.

✓ Efficient use of institutional funds
Money saved can be redirected to:
Academic development
Library upgrades
Hospital strengthening
Student support services

✓ Low maintenance cost
Solar systems require minimal maintenance, further increasing cost efficiency.

6. SOCIAL & COMMUNITY IMPACT:

The institution becomes a role model for the community by adopting renewable energy.
Patients and visitors become aware of environmental protection practices.
Encourages nearby institutions and local community to consider solar solutions.

7. POLICY COMPLIANCE & ACCREDITATION IMPACT:

The initiative supports compliance with:
National Green Campus Framework
Ministry of AYUSH Eco-Responsibility Initiatives
NCISM Quality Parameters
QCI Green Practices
NAAC Environmental Sustainability Criteria
This strengthens the institution's performance in:
Inspection scoring
Best practice documentation
Social responsibility records

8. FUTURE SCOPE & WAY AHEAD:

Although the current systems provide partial but effective renewable energy usage, there is significant scope for enhancement:

8.1 Expansion of Solar Capacity

Increase rooftop solar coverage
Install solar-powered streetlights
Introduce solar backup for hostels and OPDs

8.2 Rainwater Harvesting

Integrate solar initiative with rainwater harvesting for improved sustainability.

8.3 Waste-to-Energy Unit

Possibility for biogas plant for:
Canteen waste
Herbal waste from Panchakarma
Garden waste

8.4 Electric Vehicle Charging Station

Install solar-powered charging points for:
Staff vehicles
Ambulance
Visitors

8.5 Paperless Office

Adopt digital documentation under the Green Campus Initiative.

9. SUMMARY OF OUTCOME:

The initiative has resulted in:

✓ Measurable energy savings
✓ Reduced carbon footprint
✓ Lower electricity costs
✓ Improved patient and student satisfaction
✓ Enhanced institutional reputation
✓ Compliance with environmental norms
✓ Education and awareness among students
✓ Contribution to sustainable development goals

10. CONCLUSION:

The Solar Electricity Plant and Solar Water Heating Unit at the institute represent a successful, effective, and impactful Green Campus initiative.
Though the systems currently support the energy needs partially, they significantly enhance the environmental sustainability of the campus.

The institution is committed to expanding and strengthening green practices to build a model eco-friendly Ayurveda Education Campus.