7.1.3 (QnM) Environmental Consciousness and Sustainability:

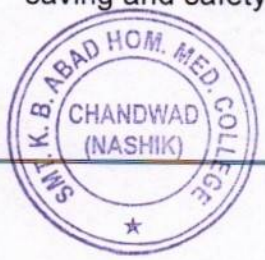
The Institution has facilities for alternate sources of energy and energy conservation devices

The Institute is conscious about environmental issues. Regular practices and activities have been adopted to create environmental awareness. The Institute is very keen for making the campus eco-friendly by adopting certain measures and policies. All the academic buildings and other surrounding area in the campus are cleaned regularly. The Institute has adopted energy conservation practices, tree plantation for making the campus clean, green and healthy. The Institute has adopted following strategies for environmental consciousness:

- Regular Campus Cleaning.
- **Smoking free zone** helps to make campus eco -friendly.
- The **CFL &LED lights** with electronic chokes are in class room, laboratories etc.
- Use of Nonconventional Energy Sources: *Solar water heaters* for hostels.
- **Tree Plantation** through Van Mahotsav or Plantation programme.
- Reduction in usage of papers by digitizing most of the records.
- Effective utilization of rough papers (one side printed) for printing and other purposes.

Energy Conservation:

- Use of Non-conventional Energy sources: **Solar Rooftop Energy**.
- Both boys and girls hostel in college campus are equipped with **solar water heaters**.
- The **energy efficient** Compact Fluorescent Lamps (CFL), **LED & tube lights** with electronic chokes are provided in classrooms, laboratories, toilets, and store in office.
- The faculty, staff and students take care of switching off lights, fans and other electrical devices to avoid wastage of energy when they are not in use.
- The workplaces are arranged to take advantage of natural light and ventilation from windows.
- Placards, notice boards have been used for creating awareness about power saving and safety.



PRINCIPAL
SNJB's Smt. K. B. Abad Homoeopathic Medical College & Shri R. P. Chordiya Hospital, & Bhamashah Shri V. D. Mehata Dev-Vijay P. G. Institute of- Homoeopathy & Research Centre, Chandwad, Dist. Nashik

Energy Efficiency

The Institute raised the standards of comfort and indoor air quality, beyond the traditional focus only on work-spaces, student hostels, residences and student facilities. Orientation – Most of the buildings and habitable/working spaces have Easte-Waste orientation, so as to maximize gains for natural light into habitable spaces. Free lighting into the space most of the times. Study of spaces, opening sizes, orientation and preferred lighting amount for all important spaces, to allow for maximum glare free lighting.

Use of renewable Energy

Usage of renewable energy (solar, wind, biogas) awareness campaigns have been carried out for the people of (adopted by NSS Unit) Uswad village during NSS camp every year. We have installed and in use of Solar Rooftop system as a renewable energy having **Smart Grid based Rooftop Solar with capacity of 400 kWp**.

The solar water heaters have been provided in boys & girls hostels.

Facilities for alternate source of energy and energy conservation devices:

1	Solar Energy	Yes
2	Wheeling to the grid	Yes
3	Sensor based energy conservation	Yes
4	Biogas plant	--
5	Use of LED bulbs/power efficient equipment	Yes

SMT. K. B. ABAD HOM. MED. COLLEGE CHANDWAD (NASHIK)

PRINCIPAL
SNJB's Smt. K. B. Abad Homoeopathic Medical College & Shri R. P. Chordiya Hospital, & Bhamashah Shri V. D. Mehata Dev-Vijay P. G. Institute of- Homoeopathy & Research Centre, Chandwad. Dist. Nashik

7.1.3 (QnM) The Institution has facilities for alternate sources of energy and energy conservation measures

Solar energy	Wind Energy	Sensor based energy conservation	Biogas plant	Use of LED bulbs/ power efficient equipment
Yes	No	Yes	No	Yes

Alternate Energy Initiatives:

1. Power Requirement met by Renewable Energy Sources:

Power requirement met by renewable energy sources	Total Power requirement	Renewable energy source	Renewable Energy generated and used	Energy supplied to the grid
400Kw	500Kw	Roof-top Solar PV system on Grid inverters	400Kw	415 V, 3phase

$$\text{Total Power used} = \frac{\text{Power requirement meet by renewable energy}}{\text{Total Power requirement}} * 100$$

$$\text{Total Power used} = \frac{400}{500} * 100$$

Total Power used from renewable sources= 80%

SMT. K. B. ABAD HOM. MED. COLLEGE CHANDWAD (NASHIK)

PRINCIPAL
SNJB's Smt. K. B. Abad Homoeopathic Medical College & Shri R. P. Chordiya Hospital, & Bhamashah Shri V. D. Mehata Dev-Vijay P. G. Institute of- Homoeopathy & Research Centre, Chandwad. Dist. Nashik

2. Percentage of Lighting power met by LED bulbs:

Total Lighting Requirements	Percentage Lighting through LED bulbs	Percentage Lighting through CFL bulbs	Percentage lighting through other sources
295	180	65	50
	83%		17%

$$= \frac{\text{Lighting power requirement met through LED bulbs}}{\text{Total lighting power requirement}} * 100$$

$$= \frac{245}{295} *100$$

= 83%

7.1.3 Power efficient equipments: Power Saver UPS

Sr. No.	**UPS 1.5 Kv**	Quantity	**UPS 750Amp**	Quantity
1	Office to main computer	1	Store	1
2	Principal Office	1	IQAC dept.	1
3	A V Hall	1	Office supritendant	1
4			Account section	2
5			Office	1
6			Physiology Dept	1
7			HMM, Organon, Repertory Dept.	3
8			Examination room	1
	Total	**3**		**11**

SMT. K. B. ABAD HOM. MED. COLLEGE CHANDWAD (NASHIK)

PRINCIPAL
SNJB's Smt. K. B. Abad Homoeopathic Medical College & Shri R. P. Chordiya Hospital, & Bhamashah Shri V. D. Mehata Dev-Vijay P. G. Institute of- Homoeopathy & Research Centre, Chandwad, Dist. Nashik