



BhairavnathShikshanMandal's  
**Popatrao Kisanrao Thorat College,**  
Khutbav, Tal.-Daund, Dist.-Pune-412203

## Green Audit Report

At Popatrao Kisanrao Thorat College Khutbav we are committed to sustainability and environmental responsibility as integral components of our educational mission. We recognize the paramount importance of fostering a campus environment that aligns with global efforts to mitigate climate change, reduce waste and conserve natural resources. In line with this commitment, our institution recently underwent a green audit. This audit was conducted as a proactive measure to assess our environment impact, identify areas for improvement, and set ambitious sustainability goals. This audit primarily focused on cataloging the diverse flora within our campus, including both ornamental and medicinal plants, along with their scientific names and quantities. The Green Audit aimed to contribute not only to the aesthetic appeal of the campus but also to the promotion of herbal medicine and ecological awareness.

### Methodology:

1. **Botanical Inventory:** A team of dedicated students and faculty members meticulously documented the various plant species on our college campus. This included a range of ornamental, shade providing and medicinal plants.
2. **Scientific Identification:** Each plant species was identified and cross-referenced with its scientific name to ensure accuracy in reporting.
3. **Quantification:** The numbers of individual plants for each species was counted and recorded, creating a comprehensive database of the campus flora.

**Medicinal Plants:** Our audit identified a substantial collection of medicinal plants within the college campus. These plants are of paramount importance for research, educational and the promotion of traditional herbal remedies. The scientific names and quantities of these medicinal plants have been diligently documented.

### Benefits:

1. **Biodiversity Preservation:** The Green Audit contributes to the conservation of local biodiversity by identifying and maintaining a variety of plant species.



## GREEN AUDIT

1. *polyalthia longifolia* - Ashoka
2. *Agele marmelos* - bel
3. *Delonix regia* - gulmohor
4. *Melia azadirech* - limbhara
5. *Tamarindus indica* - chinch
6. *Ficus benghalensis* - vad
7. *Eucalyptus globules* - niligiri
8. *Haemanthus sanguieus* - aprilful
9. *Azadirachta indica* - kadulimb
10. *Vachellia nilotica* - subhabhal
11. *Bougavillea sanguineus* - kagdiful
12. *Dalbergia sissoo* - shisam
13. *Callistemon citrinus* - bottale brush
14. *Bauhinia racemosa* - aapta
15. *Justica adathoda* - adulsa
16. *Psidium gvava* - peru
17. *Plumeria obtuse* - chafa
18. *Mangnifera indica* - aamba
19. *Bambusa vulgaris* - bamboo
20. *Citrus limon* - limbu
21. *Araucaria heterophylla* - khristmus tree
22. *Nerim olender* - kanher
23. *Thuja occidentalis* - thuja
24. *Cycas revolvta* - cycas
25. *Ficus carica* - anjir
26. *Hibiscus rosa-sinensis* - jaswand
27. *Ficus racemosa* - umbar
28. *Tabebuia rosa* - basant bahar
29. *Cassia fistula* - bahava
30. *Terminalia beheda* - behead
31. *Mimusopus elengi* - bakul
32. *Albizia lebbeck* - shiris
33. *Phyllanthus emblica* - aawala
34. *Lagerestromia speciosa* - thamhan
35. *Jayfal* - myristica fragrans
36. *Tej patta* - cinamomum tamala
37. *Dalchini* - cinnamomum verum

पुस्तकालय  
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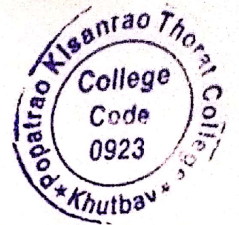




38. Black pepper – *Piper nigrum*
39. All spice – *Pimenta dioica*
40. Lavang – *Syzygium aromaticum*
41. Dikamali – *Gardenia gummifera*
42. Satapa – *Ruta graveolens*
43. Nagkeshr – *Mesua ferrea*
44. Palas – *Butea onosperma*
45. Pipli – *Piper longum*
46. Ashwgandha – *Withania somnifera*
47. Lemon balm – *Melissa*
48. Ova – *Trachyspermum ammi*
49. Khaya – *Khaya anthothecea*
50. Sita ashok – *Saraca ashoka*
51. Black berry – *Rubus allegheniensis*
52. Kalanchoe – *Kalanchoe laciniata*
53. Sitaranjan – *Citharexylum spinosum*
54. Shatavari – *Asparagus racemosus*
55. Pacholi – *Pogostemon cablin*
56. Wala – *Chrysophogon zizanioides*
57. Damvel – *Tylophora indica*
58. Stevia – *Stevia rebaudiana*
59. Gunja – *Abrus precatorius*
60. Kapartulas – African blue basil
61. Akkalkara – *Anacyclus pyrethrum*
62. Velchi – *Elettaria cardamomum*
63. Red sandal – *Pterocarpus santalinus*
64. Bramhi – *Bacopa monnaria*
65. Vajantimala – *Coix lacrymosa* – jobi
66. Anjani – *Memecylon ambellatum*
67. Green chafa – *Artabotrys odoratissimus*

किसनराव थोरत कॉलेज  
अलंबुर





Sr.no.	Common name of plant marathi	Scientific name of the plant	Total number
1.	Ashoka	<i>polvalthia longifolia</i>	17
2.	bel	<i>Agele marmelos</i>	1
3.	gulmohor	<i>Delonix regia</i>	16
4.	limbhara	<i>Melia azadirech</i>	2
5.	chinch	<i>Tamarindus indica</i>	1
6.	vad	<i>Ficus benghalensis</i>	1
7.	niligiri	<i>Eucalyptus globules</i>	17
8.	aprilful	<i>Haemanthus sanguieus</i>	14
9.	kadulimb	<i>Azadirachta indica</i>	4
10.	subhabhal	<i>Leucaena leucocchala</i>	1
11.	kagdiful	<i>Bouganvillea sanguineus</i>	1
12.	shisam	<i>Dalbergia sissoo</i>	1
13.	bottale brush	<i>Callistemon citrinus</i>	1
14.	aapta	<i>Bauhinia racemosa</i>	1
15.	adulsa	<i>Justica adathoda</i>	1
16.	peru	<i>Psidium gvajava</i>	1
17.	chafa	<i>Plumeria obtuse</i>	1
18.	aamba	<i>Mangnifera indica</i>	1
19.	bamboo	<i>Bambusa vulgaris</i>	1
20.	limbu	<i>Citrus limon</i>	1
21.	khriasmus tree	<i>Araucaria heterophylla</i>	1
22.	kanher	<i>Nerim olender</i>	1
23.	thuja	<i>Thuja occidentalis</i>	1
24.	cycas	<i>Cycas revolvta</i>	1
25.	umbar	<i>Ficus racemosa</i>	1
26.	basant bahar	<i>Tabebuia rosa</i>	1
27.	behead	<i>Terminalia beheda</i>	1
28.	bahava	<i>Cassia fistula</i>	1
29.	bakul	<i>Mimusopus elengi</i>	1
30.	shiris	<i>Albizia lebbeck</i>	1
31.	aawala	<i>Phyllanthus emblica</i>	1
32.	thamhan	<i>Lagerestromia speciosa</i>	1
33.	Jayfal	<i>myristica fragrans</i>	1
34.	Tej patta	<i>cinamomum tamala</i>	1
35.	Dalchini	<i>cinnamomum verum</i>	1
36.	Black pepper	<i>pieer nigrum</i>	1
37.	All spice	<i>pimenta dioica</i>	1
38.	Lavang	<i>syzygium aromaticam</i>	1
39.	Dikamali	<i>gardenia gummifera</i>	1
40.	Satapa	<i>ruta graveolens</i>	1
41.	Nagkeshr	<i>mesua ferrea</i>	1

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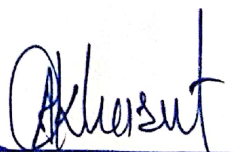






42.	Palas		
43.	Pipli	butea onosperma	1
44.	Ashwgandha	piper longum	1
45.	Lemon balm	withania somnifera	1
46.	Ova	Melissa	1
47.	Khaya	trachyspermum ammi	1
48.	Sita ashok	khaya anthothecca	1
49.	Black berry	saraca ashoka	1
50.	Kalanchoe	rubus allegheniensis	1
51.	Sitaranjan	kalancho laciniata	1
52.	Shatavari	citharexylem spinosum	1
53.	Pacholi	asparagus racemous	1
54.	Wala	pogostemon cablin	1
55.	Damvel	chrysophogon zizaioides	1
56.	Gunja	tylophora indica	1
57.	Stevia	abrus precatorius	1
58.	Kapartulas	stevia rebaudiana	1
59.	Akkalkara	African blue basil	1
60.	Velchi	anacyclus pyrethrum	1
61.	Red sandal	Elettaria cardamomum	1
62.	Bramhi	pterocarpus santalinus	1
63.	Vajantimala	bacopa monniria	1
64.	Anjani	coix lacryoma - jobi	1
65.	Green chafa	memecylon ambellatum	1
		artabolryos odorattisimus	1

**Conclusion:** The Green Audit undertaken by our college demonstrates our commitment to holistic education, environment stewardship, and the promotion of medicinal plant research. We believe that this initiative will not only enhance our NAAC accreditation but also contribute positively to the well-being of our campus community and the environment.

  
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अनूपम मंडल आधिकारी  
चवत



**BhairavnathShikshanMandal's**  
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**Energy Audit**

**Campus Energy Power**

**Goal:** To encourage efficient use of promotion of energy in a proper manner.

In coming days we aim to maximize the use of other renewable source.

**Benchmark:** Total consumption of energy for College office, Laboratories, Library and Playground is average 350-400 units.

**Observation Procedure:**

1.	The average electricity consumption in Units is calculated.
2.	The electrical appliances available in campus area have been observed.
3.	We have also observed the types of electrical appliances in the campus.
4.	The available electrical appliances and the power saving appliances in the campus.
5.	The number of Electrical Meters in the campus are counted.

**Details of Electrical particulars working in the campus:**

Sr. No.	Name of Particulars	Total No.
1.	Total no. of Electrical Fans	35
2.	Total no. of LED Tubes	30
3.	Total no. of LED Bulbs	39
4.	Total no. of LED Lights	32
5.	Total no. of Computers	27
6.	Total no. of Camera	06
7.	Total no. of Printer	04
8.	Total no. of Projector	05
9.	Total no. of Invertor	02
10.	Total no. of Xerox	01
11.	Total no. of Smart Board	01
12.	Total no. of LED TV	02
13.	Total no. of Air Conditioner	01
14.	Total no. of Exhaust Fan	04
15.	Total no. of Oven	01
16.	Total no. of Distilled Water	01
17.	Total no. of Street Light	10

**United Power Solutions**

  
**Proprietor**

AA (Billing)  
26-12-23



Since 2019 the college has employed several measures to save energy including:

- Computers and other equipment's are put on power-saving mode.
- The use of LED lamps in the college office, classrooms and laboratories and also in library.

These missions have helped to reduce the overall energy consumption in campus. The college authorities have adopted several measures to inculcate the value of energy conservation among the staff members and students.

#### Recommendations:

1. The college should assign monitoring cell to save the energy.
2. College should employ alternative source of energy such as solar power should be used more to reduce electrical consumptions.
3. Every staff member and students should take care of it to minimize the use of energy by means of its use only when it is required. In non-working hours everyone is expected to switch off the light and fans.

United Power Solutions

*Sheeli*  
Proprietor

