
GREEN
AUDIT

GREEN AUDIT REPORT2015-2016

GOVT DEGREE COLLEGE – TEKKALI

INTRODUCTION

About college

Govt. Degree College , Tekkali Is The First Degree College Started In Tekkali Revenue Division Under Govt Sector In 1971 With B.A Arts & Com Sections B.Sc Courses With MPC And CBZ Were Started In 1975. We Believe In Empowering Our Students In Such A Manner That Act As Representatives Of A Meaningful And Value Based Society

COLLEGE VISION & MISSION

Intended to enhance overall enrolment of students in higher education by offering conventional and restructured courses to rural downtrodden students youth to empower them

OBJECTIVES:

- the students To broaden the vision of students and nurture them into nation builders. o To motivate students to be lawful, truthful and responsible citizens of our nation.
- To enhance the students creative thinking abilities. To provide the students access to all the facilities necessary to evolve into a complete personality.
- To ensure constant upgradation of faculty skills and knowledge.
- To sharpen the minds of the students and enable them to think logically . To increase the use of ICT in teaching and learning process.
- To provide employability skills and ensure that they face competition in the job market with confidence.
- To maintain a clean, green and pollution free campus.
- To make understand the rich cultural heritage of our nation and respect it.

.no	Name and area of the Unit	Total Area	Photos
1.	Total Campus	Total Campus Acres	
2	Chemistry Lab	2	www.gdctekkali.ac.in\department of chemistry
3	Botany Lab	1	www.gdctekkali.ac.in \department of botany
4	Physics Lab	2	www.gdctekkali.ac.in \department ofphysics
5	Zoology Lab	1	. www.gdctekkali.ac.in \department of zoology
6.	Computer Lab	2	. www.gdctekkali.ac.in \department of computer

			applications, computer science
7	Library	1	www.gdctekkali.ac.in
8	Class Rooms	UG-26	www.gdctekkali.ac.in
9	Staff Room	14	www.gdctekkali.ac.in
10	Ladies Room	Sick Room 2	www.gdctekkali.ac.in
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13	Auditorium	1	www.gdctekkali.ac.in
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23	Office for NSS	2	www.gdctekkali.ac.in
24	Solar Energy source	1	www.gdctekkali.ac.in

Auditing for Water Management

- Number of water tanks -03
- Number of taps -13
- Number of hand pumps -01
- Number of wells -02
- Number of rain water harvesting pits -02

. Green Campus

Total number of plant species identified

Total number of plants in the campus

S.NO	BOTANICAL NAME	COMMON NAME	FAMILIY	number
1	Musa paradisica	Banana tree	moraceae	10
2	Mangifera indica	Mango tree	anacardiaceaea	10
3	Poliyalthia longifolia	Naramamidi	annonaceae	5
4	Arthocarpous heterophyllus	Jack fruit	annonaceae	3
5	Arucaria heterophylla	STAR FINE	arucariaceae	7
6	Carica papaya..	PAPAYA		4
7	Hibiscuss rosa sinensis	MANDARA	malvaceae	1

8	Aerva lenata	PINDIKURA	amaranthaceae	5
9	Ixora caesiria	RAMAPALUM	annonaceae	3
10	Annona squamosa	SITHA PALUM	annonaceae	5
11	Acheranthus aspera	UTTARENI	amaranthaceae	36
12	Terminalia chebula	KARAKA	euphorbiaceae	4
13	Rosa indica	GULABI	rosaseae	53
14	Acalipha indica	MURIPINDA	euphorbiaceae	3
15	Cynodan dactilis	GARICA	poaceae	6
16	Tridex procambens	GADDICHEMANTHI	astaraceae	6
17	Zizuphus zuzubz	REGU		4
18	Cassia senna	SENNA	cesalphinaceae	12
19	Delax regiya	ERRA THURAI	cesalphinaceae	5
20	Euphorbia hirta	PACHA BOTLU	euphorbiaceae	6
21	Azadaricta indica	VEPA	verbinaceae	6
22	Phyllanthous neruri	NELA VUSIRI	euphorbiaceae	6
23	Cocous nucifera	KOBBARI	aracaceae	5
24	Cloris babeta		poaceae	6
25	Cyparous rotandous	CYPAROUS	poaceae	2
26	Cassia jevanika			1
27	Mimosa pudica	ATTIPATTI	mimosaceae	22
28	Purpuria teprosha	VEMPALI	fabaceae	38
29	Areva lenata	PINDI KURA	amaranthaceae	6
30	Nerium odararaium	GANNERU	nictaginaceae	5
31	Senna indica	SENNA	cesalphinaceaea	3
32	bougenvillia	KAGITHUM PULU	bignoniaceae	7
33	Pongamia pinneta	KANUGA	fabaceae	22
34	Dalbargia latifolia	ROSEWOOD	fabaceae	6
35	Phyllanthouse emblica	USIRI	euphorbiaceae	6
36	Teris	TERIS		5
37	Lantana cemera	GAJU MOKKA	astaraceae	5
38	Tectona grandis	TEAKE	verbinaceae	7
39	Mangifera indica	MAMIDI	anakardiaceae	5
40	Sigegium indica	NEREDU		4

SUGGESTIONS AND RECOMMENDATIONS

Water Management

- *The water sources are safe in terms of contamination.*
- *The students are taking back the food waste asper the zero waste management strategy of the college. It helped in reducing the consumption of waterfor washing.*
- *The wells can be recharged with rainwater from rooftops of new building. The area of the rooftop is*

33108.68m2. Approximately 102532 m3 of water can be harvested from the roof area of new building. Rainwater for laboratory purposes – Construction of a 10000L rainwater harvesting tank can satisfy the need of laboratory , especially in distillation units where water lost as coolant.
The rain water from harvesting tank can be used as source water as well as coolant for the distillation unit.

- *The rain water can also be used as source for drinking water. The coolant water can be recycled through a separateplumbing system .*

- The capacity of distillation unit in the college is 1 L / hour. The amount of water used as coolant for 1L of

distilled water is 60L. Annually, the unit require approximately 1500L of water as coolant and this much water can be saved with the construction of the harvesting tank.

- The BMC club can arrange awareness programmes for water conservation. There should be a proper

monitoring of water consumption pattern in the campus.

BMC can also conduct water quality

monitoring during specific intervals.

- The canteen waste can also be subjected to aerobic composting by setting-up of few composting yards

in the campus. This will provide a chance for the students to learn by seeing and operating such compost yards by themselves. Also a good practice of managing their own waste (from lunch box) instead of carrying them back home they can be trained in operating the compost yard ,by using their lunch time waste to produce good organic manure.

Energy management

- The energy audit recommend to avoid the use of more energy consuming electrical appliances
- and to replace with more environment friendly and energy efficient appliances (for example five stars rated Air conditioner) in the college.
- The potential of renewable energy sources have to be explored. As the college has a very large roof area for installing solar panels so that it can be effectively used for generating power.
- The college has started steps in installing the solar panels for office. It is recommended to install the following solar powered appliances in the campus;
- Solar powered water heater and cooker in the college canteen
- Solar powered street lights and LED display board
- Green Campus
- In order to increase the carbon credit and greenery of the campus, it is recommended to plant more
- indigenous and evergreen / fruit trees inside the campus.

Waste Management

- ✓ Try to avoid the use of plastic in the campus, and to encourage the use of biodegradable materials as
- ✓ alternatives. Try to achieve the goal of plastic free campus.
- ✓ Leaf litter from the campus can be effectively used for aerobic/ vermi composting, so that the
- ✓ composted material can also be used as good manure.
- ✓ Recycle the paper waste instead of incinerate or burning

Checked & Verified, Hargiven data found correct

V. SANKARA DASU M.Sc (Horti)
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GREEN AUDIT REPORT2019-2020

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COLLEGE VISION:

Transform the youth of this region into prominent nation builders.

MISSION

- . Intended to enhance overall enrolment of students in higher education by offering conventional and restructured courses to rural downtrodden students youth to empower them

OBJECTIVES:

- the students To broaden the vision of students and nurture them into nation builders. o To motivate students to be lawful, truthful and responsible citizens of our nation.
- To enhance the students creative thinking abilities. To provide the students access to all the facilities necessary to evolve into a complete personality.
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