

GREEN AUDIT REPORT

SESSION – (2022-23)



GOVERNMENT COLLEGE SILPHILI DISTRICT. SURAJPUR (C.G.)

(Affiliated to Sant Gahira Guru Vishwavidyalaya Sarguja ,Ambikapur C.G.)

Approved by UGC – Accredited by NAAC- B Grade CGPA 2.47 Silphili,
District - Surajpur C.G. India

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कार्यालय प्राचार्य, शासकीय महाविद्यालय सिलफिली,
जिला-सूरजपुर (छ0ग0) **NAAC GRAD-B**

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क्रमांक: १५१/आडिट/2023 कालेज कोड-3505 सिलफिली, दिनांक: १०/०३/2023
प्रति,

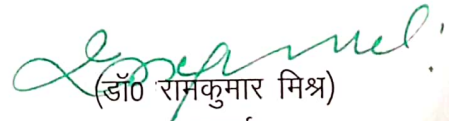
1. डॉ0 जयस्तु दत्ता
विभागाध्यक्ष
पर्यावरण विज्ञान विभाग
यू0टी0डी0 संत गहिरा गुरु विश्वविद्यालय अम्बिकापुर
सरगुजा (छ0ग0)
2. डॉ0 अर्नब बैनर्जी
पर्यावरण विज्ञान विभाग
यू0टी0डी0 संत गहिरा गुरु विश्वविद्यालय अम्बिकापुर
सरगुजा (छ0ग0)

विषय :-

महाविद्यालय का ग्रीन-आडिट करने बावत्।

शासकीय महाविद्यालय सिलफिली का सम्पूर्ण परिसर हरीतिमा-युक्त है।
विविध प्रकार के पेड़-पौधों की उपस्थिति में परिसर का वातावरण प्राण-वायु से भरपूर,
स्वास्थ्य-प्रद, उत्प्रेरक एवं आह्लादयक है। ग्रीन-आडिट के द्वारा इसकी वस्तुगत उपयोगिता
प्रकाशित हो सकेगी।

अतः कृपया महाविद्यालय का ग्रीन आडिट करने का कष्ट करें।



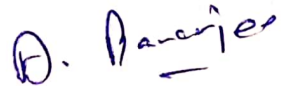
(डॉ0 रामकुमार मिश्र)

प्राचार्य

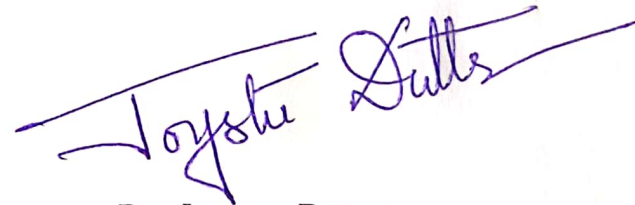
शासकीय महाविद्यालय सिलफिली
जिला-सूरजपुर (छ.ग.)

CERTIFICATE

This is certified that Govt. College Silphili Dist-Surajpur has conducted detailed Environmental green Audit of their campus session 2022-23 and has submitted necessary data and credentials for scruting. The activities and measures carried out by the college have been verified based on the report submitted and was found to be satisfactory, the efforts taken by the faculty and students towards Environment and sustainability is highly appreciated and commendable.



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Government College, Silphili, District Surajpur, Chhattisgarh (2022-23)

Green Audit

Introduction

Government College in Silphili, District Surajpur, Chhattisgarh, spans an expansive 14.6-acre campus, embodying a commitment to environmental sustainability. Nestled in a rural setting near National Highway 43, the college's strategic location is enhanced by the natural beauty of Pilkha Pahad to the south. This Green Audit Report provides a detailed overview of the college's green practices, focusing on its diverse plant and tree cover, the collaborative garden, annual plantation drives, inclusion of medicinal, fruit, and flower plants, and its status as a tobacco-free and plastic-free campus.

1. Campus Greenery:

The heart of Government College lies in its verdant campus, adorned with a diverse array of plants and trees. The landscaping not only contributes to the aesthetic appeal but also provides a conducive environment for learning and collaboration. The carefully maintained garden serves as a shared space, fostering a sense of community among both staff and students.

2. Annual Plantation Drive:

A cornerstone of the college's commitment to sustainability is its annual plantation drive. Every year, the campus witnesses the introduction of new saplings, including medicinal plants, fruit-bearing trees, and vibrant flower plants. This consistent effort ensures the continual enhancement of



biodiversity and reinforces the college's dedication to maintaining a green and vibrant environment.

3. Medicinal Plants:

The deliberate inclusion of medicinal plants is a notable feature of the college's green initiatives. Beyond their ecological significance, these plants serve as a valuable resource for traditional medicinal knowledge, promoting a holistic approach to health and well-being within the college community.

4. Fruit Plants:

Government College extends its commitment to sustainability by incorporating fruit-bearing plants on the campus. This initiative not only enhances the overall greenery but also provides a local and sustainable source of fresh produce. It aligns with the broader goal of promoting self-sufficiency and reducing the environmental impact associated with long-distance food transportation.

5. Flower Plants:

The campus is further enriched by the inclusion of diverse flower plants. Strategically placed, these plants contribute to the visual vibrancy of the surroundings, creating a positive and uplifting atmosphere for students, staff, and visitors alike.

6. Unique Location:

Situated in a rural area, Government College draws a unique connection to the local environment. The college's strategic location near National Highway 43, with the scenic backdrop of Pilkha Pahad to the south, adds a distinctive dimension to its green initiatives. The integration of these natural features into the college's landscape not only enhances its



visual appeal but also reflects a harmonious relationship with the surrounding environment.

7. Tobacco-Free and Plastic-Free Campus:

The commitment to environmental sustainability extends to the college's status as a tobacco-free and plastic-free area. This proactive measure aligns with global efforts to reduce environmental degradation and health risks associated with tobacco and plastic use. Government College takes pride in creating a healthy and clean environment for its community.

Conclusion:

In conclusion, Government College in Silphili exemplifies a holistic and dedicated approach to environmental stewardship. Through meticulous landscaping, annual plantation drives, a focus on medicinal and fruit-bearing plants, and integration of natural features in a rural setting, the college serves as a model for sustainable practices. The commitment to being a tobacco-free and plastic-free campus underscores its dedication to fostering a healthier and cleaner environment. Government College not only provides quality education but also instills values of environmental responsibility, contributing to a greener and more sustainable future. With an array of green initiatives in place, the college stands as a beacon of environmental consciousness, setting an example for other educational institutions to follow suit.



Govt. Collage Silphili (2022-23)

List of Plants

S.no.	Plant Name	Botanical Name	Family	Habbit	Uses
1	Champa white	<i>Plumeria obtusa</i>	Apocynaceae	Tree	Flower
2	Madhu kamini	<i>Murraya Paniculata</i>	Rutaceae	Shrub	Flower
3	lemon	<i>Citrus aurantifolia</i>	Rutaceae	Shrub	Fruit
4	Rose	<i>Rosa indica</i>	Rosaceae	Shrub	Flower
5	Teak	<i>Tectona grandis</i>	Verbenaceae	Tree	Timber
6	sawanti	<i>Chrysanthemum indicum</i>	Asteraceae	Herb	Flower
7	Giloy	<i>Tinospora cordifolia</i>	Menisoermaceae	Herb	Medicine
8	kalmegh	<i>Andrograohis oaniculata</i>	Acanthaceae	Herb	Medicine
9	Coconut	<i>Cocos nucifera</i>	Palmae	Tree	Oil
10	Tejapatta	<i>Cinnamomum tamala</i>	Lauraceae	Tree	Spice
11	Rubber	<i>Ficus elastica</i>	Euphorbiaceae	Tree	Rubber
12	Long	<i>Syzygium aromaticum</i>	Myrtaceae	Herb	Spice
13	Elachi	<i>Elettaria cardamomum</i>	Zingiberaceae	Herb	Spice
14	Tulsi	<i>Ocimum sanctum</i>	Labiatae	Shrub	Medicine
15	Harra	<i>Terminalia chebula</i>	Combretaceae	Tree	Medicine
16	Amla	<i>Embllica officinalis</i>	Euphorbiaceae	Tree	Medicine
17	Neern	<i>Azadiracta indica</i>	Meliaceae	Tree	Medicine
18	Aloe	<i>Aloe vera</i>	Liliaceae	Herb	Medicine
19	Mahua	<i>Madhuca indica</i>	Sapotaceae	Tree	Medicine
20	Khajoor	<i>Phoenix sylvestris</i>	Palmaeaceae	Tree	Fruit
21	Kela	<i>Musa Paradisica</i>	Musaceae	Tree	Fruit
22	Onion	<i>Allium ceoa</i>	Liliaceae	Herb	Medicine
23	Garlic	<i>Allium sativum</i>	Liliaceae	Herb	Medicine
24	Satmuli	<i>Asparagus gonodadus</i>	Liliaceae	Herb	Medicine
25	Lily	<i>Lillium bulbiferum</i>	Liliaceae	Herb	Flower
26	Makoi	<i>Solanum nigrum</i>	Solanaceae	Herb	Medicine
27	Dhatura	<i>Datura alba</i>	Solanaceae	Herb	Medicine
28	Oak	<i>Calatropis procera</i>	Asclepiadeaceae	Herb	Medicine
29	Sunflower	<i>Helianthus annus</i>	Asteraceae	Herb	Flower
30	Ganda	<i>Tagetes erecta</i>	Asteraceae	Herb	Flower
31	Dahlia	<i>Dahlia oinnata</i>	Asteraceae	Herb	Flower
32	Rough cocklebur	<i>Xanthium strumarium</i>	Asteraceae	Herb	Medicine
33	Ashok	<i>Saraca indica</i>	Caesalpinioidae	Tree	Timber
34	Amaltas	<i>Cassia fistula</i>	Caesalpinioidae	Tree	Timber
35	Kachnar	<i>Bauhinia veriegata</i>	Caesaloinioidae	Tree	Medicine
36	Gulmohar	<i>Delonix regia</i>	Caesalpinioidae	Tree	Flower
37	Mustard	<i>Bauhinia veriegata</i>	Caesalpinioidae	Herb	Medicine
38	Radish	<i>Ruphanus saitvus</i>	Brassicaceae	Herb	Veg.
39	Pea	<i>Pisum sativum</i>	Papilionatae	Herb	Veg.
40	Groundnuta	<i>Arachis hypogea</i>	Paoilionatae	Herb	Oil
41	Gram	<i>Cicer arictinum</i>	Paoilionatae	Herb	Veg.



42	Coriander	<i>Coriandrum sativum</i>	Apiaceae	Herb	Spice
43	Brahmi	<i>Centella asiatica</i>	Apiaceae	Herb	Medicine
44	Gajar	<i>Daucus carota</i>	Apiaceae	Herb	Veg.
45	Sounf	<i>Foeniculum vulgata</i>	Apiaceae	Herb	Spice
46	Touch me not	<i>Mimosa pudica</i>	Fabaceae	Herb	Flower
47	Shisham	<i>Dalbergia sissoo</i>	Paolionatae	Tree	Medicine
48	Amrud	<i>Psidium guyava</i>	Myrtaceae	Tree	Medicine
49	Bel	<i>Aegle Mormelos</i>	Rutaceae ;	Tree	Medicine
50	Jamun	<i>Syzyium jambos</i>	Myrtaceae	Tree	Medicine
51	Cactus	<i>Opuntia microdasys</i>	Cactaceae	Herb	Medicine
52	Imli	<i>Tamarindus indicum</i>	Leguminosea	Tree	Fruit
53	Areca Palm	<i>Dypsis lutescens</i>	Palmae	Tree	Show Plant
54	Sal	<i>Shorea robusta</i>	Dipterocarpaceae	Tree	Timber
55	Eucalyptus	<i>Eucalyptus globulus</i>	Myrtaceae	Tree	Medicine
56	Semal	<i>Ceiba pentandra</i>	Bombacaceae	Tree	Fiber
57	Spider Plant	<i>Chlorophytum comosum</i>	Asparagaceae	Herb	Show Plant
58	Arjun	<i>Terminalia arjuna</i>	Combretaceae	Tree	Medicine
59	Mango	<i>Mangifera indica</i>	Anacardiaceae	Tree	Fruit
60	Gudhal	<i>Hibiscus rosa sinensis</i>	Malvaceae	Shrub	Flower
61	Babool	<i>Acacia nilotica</i>	Mimosaceae	Tree	Medicine
62	Pudina	<i>Mentha viridis</i>	Labiatae	Herb	Medicine
63	Snake Plant	<i>Dracaena trifasciata</i>	Asparagaceae	Herb	Show Plant
64	Sadabahar	<i>Catharanthus roseus</i>	Apocynaceae ;	Herb	Medicine
65	datura	<i>Datura alba</i>	Solenaceae	Herb	Medicine
66	Trumeric	<i>Curcuma longa</i>	Zingiberaceae	Herb	Medicine
67	Zinger	<i>Zingiber officinale</i>	Zingiberaceae	Herb	Medicine
68	Princes Flower	<i>Pleroma urvilleanum</i>	Melastomataceae	Shrub	Show Plant
69	Orchid	<i>Vanda roxburghii</i>	Orchidaceae	Herb	Medicine
70	Lemon Grass	<i>Cymbopogon citratus</i>	Poaceae	Herb	Medicine
71	First Love Plant	<i>Xanthostemon chrysanthus</i>	Poaceae	Shrub	Show Plant
72	Carrot grass	<i>Parthenium Hysterophorum</i>	Compositae	Herb	Veg.
73	Sweet neem	<i>Muraya koenigil</i>	Rutaceae	Shrub	Medicine
74	Ber	<i>Zizyvu jujuba</i>	Rhamnaceae	Tree	Fruit
75	Castor	<i>Ricinus communis</i>	Fabaceae	Tree	Medicine
76	Cycas	<i>Cycas circinales</i>	Cycadaceae	Tree	Show Plant
77	Amaltas	<i>Casia fistyla</i>	Calsaplinaeae	Tree	Medicine
78	Neruim	<i>Thevetia nerifolia</i>	Apocyanaceae	Tree	Flower
79	Sadabahar	<i>Vinca rosea</i>	Apocyanaceae	Herb	Medicine
80	Khamhar	<i>Gmelina arborea</i>	Verbenaceae	Herb	Timber
81	Setafal	<i>Annona squamosa</i>	Annonaceae	Tree	Fruit
82	Jungli Jalebi	<i>Pithecellobium dulce</i>	Febaceae	Tree	Medicine
83	Christmas Tree	<i>Araucaria hetrophylla</i>	Araucariaceae	Tree	Show Plant
84	Anar	<i>Punica granatum</i>	Punicaceae	Tree	Medicine
85	Peepal	<i>Ficus religiosa</i>	Moraceae	Tree	Timber
86	Gular	<i>Ficus racemosa</i>	Moraceae	Tree	Fruit
87	Kalmegh	<i>Andrographis paniculata</i>	Acanthceae	Herb	Medicine
88	Banyan	<i>Ficus benghalensis</i>	Moraceae	Tree	Fruit



89	Bakayan	<i>Melia azedarach</i>	Meliaceae	Tree	Medicine
90	Acacia	<i>Acacia Longifolia</i>	Febaceae (Leguminosae)	Tree	Medicine
91	Rangoon creeper	<i>Combretum indicum</i>	Combretaceae	Herb	Flower
92	Money plant	<i>Epipremnum aureum</i>	Araceae	Herb	Show Plant
93	Bougainvillea	<i>Bougainvillea glabra</i>	Nyctaginaceae	Shrub	Flower
94	Pathar chatta	<i>Bryophyllum pinnata</i>	Crassulaceae	Herb	Medicine
95	Bryophyllum	<i>Kalanchoe mortagei</i>	Crassulaceae	Herb	Show Plant
96	Bryophyllum	<i>Kalanchoe obtusa</i>	Crassulaceae	Herb	Medicine
97	Croton	<i>Coclaeum vaiieeatum</i>	Euphorbiaceae	Herb	Medicine
98	Christmas tree	<i>Araucaria hetrophylla</i>	Araucariaceae	Tree	Show Plant
99	Rain lily	<i>Zyphyranthes roses</i>	Amaryllidaceae	Herb	Show Plant
100	Bryophyllum	<i>Kalanchoe blosfeldiana</i>	Crassulaceae;	Herb	Show Plant
101	10 O'Clock flower	<i>Portulaca oleracea</i>	Portulacaceae	Herb	Show Plant
102	Red sister	<i>Cordylina fruticosa</i>	Asparagaceae	Herb	Show Plant
103	Coleus	<i>Coleus scutellarioides</i>	Lamiaceae	Herb	Show Plant
104	Mogra	<i>Jasminum sambac</i>	Oleaceae	Herb	Show Plant
105	Balfour aralia	<i>Polyscias scutellaria</i>	Araliaceae	Shrub	Show Plant
106	Insulin plant	<i>Chamaecostus cusoidatus</i>	Costaceae	Herb	Medicine
107	China Pink	<i>Dianthus chinensis</i>	Caryophyllaceae	Herb	Show Plant
108	Canna	<i>Canna indica</i>	Cannaceae	Herb	Show Plant
109	Purple -heart	<i>Tradescantia pallidia</i>	Commelinaceae	Herb	Show Plant
110	Spider lily	<i>Lycoris squamigera</i>	Lillaceae	Herb	Show Plant
111	Christ plant	<i>Euphorbia milii</i>	Euphorbiaceae	Herb	Show Plant
112	Zebra plant	<i>Calathea zebrina</i>	Marantaceae	Herb	Show Plant
113	Moses- in- the - cradle	<i>Tradescantia spathacea</i>	Commelinaceae	Herb	Show Plant
114	Biota	<i>Thuja biota</i>	Cupressaceae	Tree	Show Plant
115	Adenium	<i>Adenium obesum</i>	Apocynaceae	Herb	Show Plant
116	Banyan	<i>Ficus benghalensis</i>	Moraceae	Tree	Timber
117	Manila tamarind	<i>Pithecellobium dulce</i>	Fabaceae	Herb	Show Plant

Total No. of Plant	117	Total no. of Medicinal P	46
Total no. of Family	67	Total no. of flower Plant	14
		Total no. of Timber Plant	7
Total no. of Tree	44	Total no. of Fruit Plant	9
Total no. of Herb	63	Total no. of Fiber Plant	1
Total no. of Shrub	10	Total no. of Show Plant	27
Total :-	117	Total no. of Oil Plant	2
		Total no. of Rubber Plant	1
		Total no. of Spice Plant	5
		Total no. of Veg. Plant	5
		Total :-	117



Principals

Principal
Principal
Govt. College Surajpur
Distt.-Surajpur (C.G.)