

25/10/2024

Dated: 25/10/2024

Report on plantation drive under Green Energy audit of Goa University

In a significant step towards environmental conservation, Goa University had partnered with Deccan Chemicals Pvt. Ltd. to initiate a plantation drive aimed at carbon neutralization. This Corporate Social Responsibility (CSR) activity underscores the commitment to sustainable development and ecological balance. The partnership with Deccan Chemicals underscores the importance of academic-industry collaboration in addressing the environmental challenges.

The primary objective of this plantation drive was to enhance the green cover around the periphery of Goa University's campus, neutralize carbon emissions and enhance the ecological and aesthetic value of the campus environment. This was achieved by digging 200 pits of 2x2x2 meter dimension and planting 200 tree saplings, predominantly of the Ficus species such as Peepal (*Ficus religiosa*), Banyan (*Ficus benghalensis*), and other species like Jackfruit (*Artocarpus heterophyllus*) and Cashew (*Anacardium occidentale*). This work of digging pits and plantation of saplings was completed by 15th of October 2024. The GPS coordinates was marked to each sapling planted and the details of the same is given in the table below along with photographs of the saplings.

This initiative was inaugurated on 12th July 2024, by the presence of Shri Shripad Yesso Naik, Union Minister of State for the Ministry of Power and the Ministry of New and Renewable Energy, who served as the chief guest. The program commenced with the presence of Hon'ble Vice Chancellor of Goa University Prof. Harilal Menon, Registrar Prof. V.S. Nadkarni, Shri Kiran Desai, Executive Vice President and Site Head at Deccan Fine Chemicals, highlighting the company's contribution to this noble cause through their CSR initiative. This was also graced by Prof. Bernard Rodrigues, Dean of the School of Biological Sciences and Biotechnology and Prof. Rajendra S. Gad, Chairman of the Green Energy Audit Committee.

Further, for maintenance and care, regular watering, mulching, and protection measures will be undertaken to ensure the healthy growth of the saplings. Maintenance activities will include periodic monitoring and care to protect the young trees during summer by each faculty and students of the Goa University.

By engaging in this collaborative effort, Goa University not only demonstrates its commitment to reduce carbon footprint but also plays a proactive role in fostering environmental stewardship within the community.

Table: GPS coordinates for sapling planted

Sr. No.	Latitude, Longitude	Sr. No.	Latitude, Longitude
From SIAS building to Computer Science and technology to Boy's hostel			
1	15.463475, 73.835873	101	15.456808, 73.830194
2	15.463733, 73.836615	102	15.456813, 73.830103
3	15.463696, 73.836561	103	15.456823, 73.830012
4	15.463671, 73.836517	104	15.456829, 73.829946
5	15.463655, 73.836471	105	15.456823, 73.829899
6	15.463624, 73.836423	106	15.456824, 73.829861
7	15.463606, 73.836377	107	15.456826, 73.829820
8	15.463604, 73.836343	108	15.456836, 73.829764
9	15.463602, 73.836304	109	15.456841, 73.829710
10	15.463597, 73.836268	110	15.456849, 73.829646
11	15.463592, 73.836234	111	15.456875, 73.829568
12	15.463574, 73.836199	112	15.456893, 73.829496
13	15.463580, 73.836161	113	15.456916, 73.829421
14	15.463567, 73.836111	114	15.456939, 73.829303
15	15.463550, 73.836066	115	15.456930, 73.829228
16	15.463538, 73.836032	116	15.456897, 73.829159
17	15.463525, 73.836003	117	15.456868, 73.829093
18	15.463510, 73.835960	118	15.456842, 73.829025
19	15.463492, 73.835914	119	15.456824, 73.828976
20	15.463797, 73.836662	120	15.456802, 73.828929
21	15.463420, 73.835819	121	15.456777, 73.828878
22	15.463348, 73.835798	122	15.456757, 73.828819
23	15.463269, 73.835777	123	15.456781, 73.828725
24	15.463175, 73.835754	124	15.456775, 73.828658
25	15.463123, 73.835688	125	15.456743, 73.828585
26	15.463076, 73.835589	126	15.456746, 73.828518
27	15.463053, 73.835450	127	15.456751, 73.828446
28	15.463025, 73.835335	128	15.456745, 73.828376
29	15.463002, 73.835225	129	15.456732, 73.828326
30	15.462979, 73.835118	130	15.456711, 73.828279
31	15.462956, 73.835024	131	15.456695, 73.828237
32	15.462935, 73.834914	132	15.456682, 73.828192
33	15.462909, 73.834796	133	15.456655, 73.828150
34	15.462904, 73.834691	134	15.456598, 73.828004
35	15.462834, 73.834549	135	15.456559, 73.827291
36	15.462775, 73.834410	136	15.456587, 73.827106
37	15.462734, 73.834254	137	15.456597, 73.826902

38	15.462685, 73.834082	138	15.456499, 73.826712
39	15.462654, 73.833921	139	15.456427, 73.826532
40	15.462607, 73.833763	140	15.456419, 73.826360
41	15.46281, 73.83354	141	15.456427, 73.826199
42	15.46269, 73.83335	142	15.456404, 73.826050
43	15.46269, 73.83330	143	15.456358, 73.825902
44	15.462566, 73.833049	144	15.456350, 73.825747
45	15.462594, 73.832877	145	15.456376, 73.825586
46	15.462628, 73.832743	146	15.456430, 73.825476
47	15.462649, 73.832601	147	15.456528, 73.825401
48	15.462690, 73.832504	148	15.456608, 73.825310
49	15.462734, 73.832402	149	15.456696, 73.825224
50	15.462793, 73.832292	150	15.456807, 73.825141
51	15.462845, 73.832185	151	15.456910, 73.825079
52	15.462892, 73.832078	152	15.457018, 73.824998
53	15.462927, 73.831948	153	15.457106, 73.824918
54	15.462964, 73.831888	154	15.457209, 73.824824
55	15.462977, 73.831840	155	15.457299, 73.824754
56	15.463013, 73.831797	156	15.45753, 73.82481
57	15.463039, 73.831741	157	15.457562, 73.824565
58	15.463049, 73.831679	158	15.457642, 73.824490
59	15.463090, 73.831649	159	15.457714, 73.824393
60	15.463119, 73.831615	160	15.45797, 73.82447
61	15.463171, 73.831621	Near GBS block F	
62	15.463206, 73.831628	161	15.460247, 73.825151
63	15.463194, 73.831639	162	15.460247, 73.825237
From girls hostel to new SPAS building to MPS		163	15.460116, 73.825251
64	15.454306, 73.833278	164	15.460009, 73.825276
65	15.454355, 73.833192	165	15.459902, 73.825320
66	15.454400, 73.833108	166	15.459778, 73.825400
67	15.454452, 73.833030	167	15.459713, 73.825537
68	15.454524, 73.832984	168	15.459618, 73.825628
69	15.454736, 73.832955	169	15.459548, 73.825776
70	15.454916, 73.832956	170	15.459476, 73.825828
71	15.455062, 73.832915	171	15.459439, 73.825907
72	15.455202, 73.832894	172	15.459395, 73.826036
73	15.455300, 73.832852	173	15.459413, 73.826146
74	15.455394, 73.832827	174	15.459475, 73.826256
75	15.455495, 73.832797	175	15.459517, 73.826307
76	15.455645, 73.832738	176	15.459572, 73.826365
77	15.455774, 73.832703	177	15.459633, 73.826413

From SIAS building to Computer Science and technology to Boy's hostel



From women's hostel to new SPAS building to MPS



Behind GBS block F



Near library



Faculty quarters



		
15.46281, 73.83354	15.46269, 73.83335	15.46269, 73.83330
		
15.46072, 73.83029	15.460551, 73.830174	15.45797, 73.82447
		
15.457714, 73.824393	15.457642, 73.824490	15.45753, 73.82481

		
15.45682, 73.83140	15.456796, 73.831215	15.45682, 73.83103
		
15.45691, 73.83079	15.456930, 73.830646	15.456948, 73.830547
		
15.454306, 73.833278	15.454355, 73.833192	15.454400, 73.833108



The report prepared by:

Dr. Siddhi K. Jalmi, Assistant Professor of Botany, Goa University

Sign:

Sign:

Prof. Rajendra S. Gad

Chairman of Green Energy Audit,

Goa University

Prof. Bernard Rodrigues

Dean, School of Biological
Sciences and Biotechnology,

Dean of School of Biological Sciences
& Biotechnology

Goa University, Goa-403706



RA-03

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C/164



To, <u>Goa University</u>	Invoice No.: <u>269</u>
Job <u>Excavation of pits</u>	Date: <u>03/10/24</u>
GSTIN: <u>30AAA3G1189B021</u>	GSTIN: 30BAAPL8235P1ZK
	State: GOA

Date	Particulars of the Trip	Trip	Qty.	Rate per	Amount
①	<p>Earthwork in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10.5m on Plan) including disposal of excavated earth lead up to 50m and lift up to 1.5m disposal earth to be leveled and newly dressed</p> <p>(2x2x2 - cum pit with mud filling and 1-gum of 04 natural salt pans salt)</p>		100 PITS	5112 Per PITS of 8-cum m ³	5,11,200 - /
				Total	5,11,200 - /
				CGST 9%	46008 - /
				SGST 9%	46008 - /
				G. TOTAL	6,03,216 - /

Rs.: Six lakh Three thousand Two hundred

Bank Details:

Bank Name: Karnataka Bank Ltd. / Branch: St. Inez
A/c No.: 6012000101260901 / IFSC Code: KARB0000601
Pan No.: BAAPL8235P

Delivery Confirmed by Purchaser of the Goods.

Sixteen Rupees only

For. Vinod Rathod

R. D. R. M. Cell

Invoice No. 525
4/10/24



Bill towards earthwork in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in dept 1.5 in widths whereas 10.59mm on Plan) including disposal of excavated earth lead up to 50.m x lift up to 01.50m disposal earth to be leveled and newly dressal.

(2x2x2-cum pit with mud filling and 1 channel of natural salt pans salt)

~~Siddhi~~

Dr. Siddhi Jalni
Co-Ordinator

~~Prof~~

Prof R. S. Gad
(Chairperson Green
Energy Audit)

~~Rodriguez~~

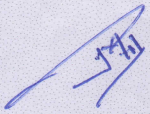
Prof Bernard Rodriguez (PCC)

GOA UNIVERSITY
Taleigao Plateau
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C-48 "Green Energy Audit"
Group Summary
1-Apr-24 to 18-Nov-24

Page 1

Particulars	Opening Balance	Transactions		Closing Balance
		Debit	Credit	
C-48(1) Receipt			9,80,000.00	9,80,000.00 Cr
C-48(2) Expenditure		6,03,216.00		6,03,216.00 Dr
Grand Total		6,03,216.00	9,80,000.00	3,76,784.00 Cr



Finance Officer
Goa University
Taleigao Plateau
Goa-403 206