



**Green Audit Report**  
**Kurukshetra University Kurukshetra**  
**(A+ Grade NAAC Accredited)**  
**Haryana Year 2020-21**



## **GREEN AUDIT REPORT**

### **CONSULTATION REPORT**



**KURUKSHETRA UNIVERSITY,**  
**KURUKSHETRA**  
**(Established by the State legislature act XII of 1956)**  
**Thanesar, Haryana 136119**

PREPARED BY

**EMPIRICAL EXERGY PRIVATE LIMITED**

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**(2020-21)**



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## **ACKNOWLEDGEMENT**

**Empirical Exergy Private Limited (EEPL), Indore (M.P)** takes this opportunity to appreciate & thank the management of **Kurukshetra University Kurukshetra Haryana** for giving us an opportunity to conduct green audit for the University.

We are indeed touched by the helpful attitude and co-operation of all faculties and technical staff, who rendered their valuable assistance and co-operation the during the course of study.



**Rajesh Kumar Singadiya**


**(Director)**

M.Tech (Energy Management), PhD (Research Scholar)  
Accredited Energy Auditor [AEA-0284]  
Certified Energy Auditor [CEA-7271]  
(BEE, Ministry of Power, Govt. of India)  
Empanelled Energy Auditor with MPUVN, Bhopal M.P.  
Lead Auditor ISO50001:2011 [EnMS) from FICCI, Delhi  
Certified Water Auditor (NPC, Govt of India)  
Chartered Engineer [M-1699118], The Institution of Engineers (India)  
Member of ISHRAE [58150]




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 **BUREAU OF ENERGY EFFICIENCY**

Examination Registration No.: ..... **EA-7271** .....  
Accreditation Registration No.: ..... **AEA-284** .....



## Certificate of Accreditation

This is to certify that Mr./Ms. **Shri. Rajesh Kumar Singadiya** .....having its trade/registered office at ..... has been given accreditation as accredited energy auditor. The certificate shall be effective from **9<sup>th</sup>** day of **May, 2018** .....


The certificate is subject to the provisions of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

This certificate shall be valid until it is cancelled under regulation 9 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

On cancellation, the certificate of accreditation shall be surrendered to the Bureau within fifteen days from the date of receipt of order of cancellation.

Your name has been entered at AEA No. .... **284** ..... in the register of list of accredited energy auditors. Your name shall be liable to be struck out on the grounds specified in regulation 8 of the Bureau of Energy Efficiency (Qualifications for Accredited Energy Auditors and Maintenance of their List) Regulations, 2010.

Given under the seal of the Bureau of Energy Efficiency, Ministry of Power, this **5<sup>th</sup>** day of **October, 2018**

  
Secretary,  
Bureau of Energy Efficiency  
New Delhi



## EXECUTIVE SUMMARY

### Green Initiatives Taken by University

**✚ CAMPAIGN OF PLANTATION AND GREEN CAMPUS:**

University has around **29,431** trees in the campus. It is good initiative taken by management for green campus under the campaign of plantation. **It is APPRECIABLE work.**

**✚ 600 kWp SOLAR PHOTOVOLTAIC ROOFTOP INSTALLATION:**

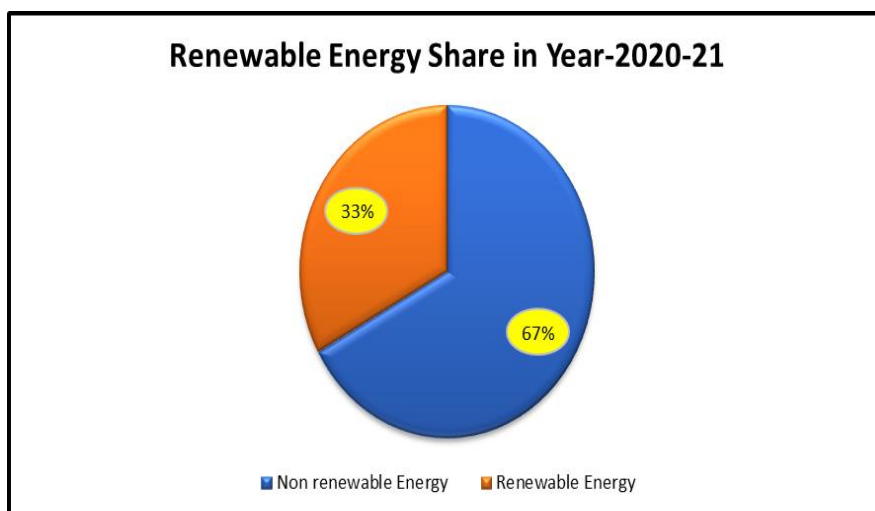
University has installed 600 kWp solar photovoltaic roof top grid connected system in Year-March-2018.

**✚ 1000 kWp SOLAR PHOTOVOLTAIC ROOFTOP INSTALLATION:**

University has installed 1000 kWp solar photovoltaic roof top grid connected system in Year-October -2019.

**✚ Total Solar units generated from the installation to Dec-2021 are 53,51,340 units. It is about 33 % of the total energy consumed of the University in Year-2020-21**

Sr. No	Year	Units Generation
1	2018-2019	4,33,622
2	2019-2020	11,30,701
3	2020-2021	20,27,515
4	2021-2022	17,59,502
	<b>Total</b>	<b>53,51,340</b>





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## **AREAS FOR IMPROVEMENT**

### **+ QR Code System on Tree:**

While the world seems to be going digital, people lack the time to read books and proakss the information they contain. Hence, University can provide QR codes on the trees for its information and to exploit the rapidly growing platform for a unique purpose.

### **+ Eco-restoration programmes**

Frame a holistic campus development plan with long-term eco-restoration programmes for replacing exotic acacia plantations with indigenous trees.

### **+ Vehicle pooling:**

Vehicle pooling should be promoted both among students and faculty and use of bicycles should be promoted as a policy of University

### **+ OTHER SUGGESTIONS & RECOMMNEDATION**

Some of the very important suggestions are:-

- Adopt the proposed Environmentally Responsible Purchasing Policy, and work towards creating and implementing a strategy to reduce the environmental impact of its purchasing decisions.
- Increase recycling education on campus.
- Increase Awareness of Environmentally Sustainable Development in college campus.
- Practice Institutional Ecology- Set an example of environmental responsibility by establishing institutional ecology policies and practices of resource conservation, recycling, waste reduction, and environmentally sound operations.
- Involve All Stakeholders- Encourage involvement of government, foundations, and industry in supporting interdisciplinary research, education, policy formation, and information exchange in environmentally sustainable development.
- Collaborate for Interdisciplinary Approaches- To develop interdisciplinary approaches to curricula, research initiatives, operations, and outreach activities that support an environmentally sustainable future.
- Increase reduce, reuse, and recycle education on campus.



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- Develop a butterfly garden that arouses appreciation towards flora and fauna diversity.
- Name all the trees and plants (Plant DNA barcodes) with its common name and scientific name.
- Arrange training programmes on environmental management system and nature conservation.
- Ensure participation of students and teachers in local environmental issues.
- Renovation of cooking system in the canteen to save gas by installation solar water heater system with heat pump.
- Avoid plastic/thermocool plates and cups in the college level or department level functions.



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**CHAPTER-1**  
**INTRODUCTION**

**1.1 About University**

Kurukshetra University is one of the premier educational institutions of India. Established in 1956, the University is providing higher education to over half a million students on the campus and its affiliated colleges. By virtue of its commitment to excellence, the University has been awarded A<sup>+</sup>Grade by NAAC and has been placed at 8<sup>th</sup> position amongst the State Universities of the country in Category-I by the Ministry of Human Resource Development (MHRD) and has also been granted academic autonomy. Located on the southern bank of famed Brahm Sarovar, Kurukshetra University has a sprawling campus spread over 473 acres. In addition to providing quality education to the students, Kurukshetra University embodies the values of Yogastha Kuru Karmani, enshrined in Bhagwadgita, which means performing one's activities while remaining steadfast in Yoga.

The University is in the rapid proakss of transformation to an institution of excellence. In this proakss, digitalization of the University is being done to develop an efficient and transparent system that would further facilitate a learner's experience in the University.

The University programmes combine the enduring value of a liberal arts education with the skills and experience offered by professional departments. The University offers 175 courses on the campus in 47 Departments/institutes through a highly qualified faculty. The University also plays an important role in providing higher education to the youth of the State through its 282 affiliated colleges and institutes in seven districts of Haryana.

The campus of the University has often been rated as one of the most beautiful campuses in India. It resembles a large, self-contained educational village with lecture theatres, smart class rooms, Wi-Fi campus, 24 hrs library facility, laboratories, on campus hostel accommodation, cafeterias, canteens, market, swimming pool, gymnasia, bank, ATM's, post office and world-class sports facilities. The most remarkable feature of the campus is a seamless interconnection of nature and the built environment. There are a number of lush green gardens, water fountains and sidewalks which provide an ideal environment on the campus for study and leisure.







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## **1.2 About University Campus:**

Kurukshetra University, Kurukshetra (KUK) is a University established on 11 January 1956 in Kurukshetra, in the Indian state of Haryana, 160 kilometres (99 mi) from the capital, Delhi. It is a member of Association of Commonwealth Universities.

Kurukshetra University Spread over 473 acres (1.91 km<sup>2</sup>), the KUK campus is located on the western bank of Brahma Sarovar in the Hindu holy city of Kurukshetra

## **Colleges and schools in Kurukshetra University**

The University has these colleges, schools and institutes

- ✚ University Senior Secondary Model School
- ✚ Institute of Integrated and Honours Studies (Formerly University College)
- ✚ University College of Education
- ✚ Institute of Environmental studies
- ✚ Department of Law
- ✚ Department of Geophysics
- ✚ University School of Management
- ✚ University Institute of Engineering and Technology
- ✚ Institute of Management Studies
- ✚ Institute of Mass Communication & Media Technology



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<b>Sr. No</b>	<b>Administration</b>
1	Office of Vice Chancellor
2	Office of the Registrar
<b>Important Functionaries</b>	
1	Deans
2	Other Offices
3	Chairpersons/Directors
4	Teaching Department
5	Deputy Registrar/Assistant Registrar/Admin. Officers
6	Office of the Dean Academic Affairs
7	Office of Dean Faculty of Science
8	Office of Dean Student Welfare
<b>Accounts Departments</b>	
1	Main Accounts
2	Bill Section
3	Cash and Fee
4	Income
5	Pension Cell
6	Fee Section
7	PF Section
8	Planning Section
9	Cheque Section
10	Audit Internal
11	State Govt (Audit)
12	Establishment Branch (Teaching)
13	Establishment Branch (Non-Teaching)
14	Academic Branch
15	Syllabus Branch
16	Scholarship Branch
17	Registration Branch
18	PH.D Branch
19	General Branch
20	Colleges Branch
<b>Examination-1</b>	
1	Confidential Cell
2	Conduct Branch (Theory)
3	Conduct Branch (Practical)
4	UMC
5	PH.D
6	Re-Evaluation Branch
7	Secrecy Branch



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1	Examination Branch -2
2	Result Branch-1
3	Result Branch-2
4	Computer Lab
5	Result Branch -3
6	Certification Section
7	Construction Branch
<b>University Teaching Department/Institute</b>	
1	AIH-Culture & Archaeology
2	Bio-Chemistry
3	Bio-Technology
4	Botany
5	Chemistry
6	Commerce
7	Computer Science & Application
8	Economics
9	Education
10	Electronic Science
11	English
12	Fine Arts
13	Foreign languages
14	Geography
15	Geology
16	Geo-Physics
17	Hindi
18	History
19	Home Science
20	Instrumentation
21	Inst.of Environmental Studies
22	Inst. Of Pharmaceutical Sciences
23	Inst.of Law
24	Inst. of Mass communication & Media Technology
25	Inst. of Management Studies
26	Law
27	Library and Information Science
28	Mathematics
29	Micro-Biology
30	Music and Dance
31	Punjabi
32	Philosophy
33	Physical Education
34	Psychology
35	Public Administration
36	Physics



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37	Political Science
38	Sanskrit, Pali & Prakriti
39	Sanskrit and Indological Studies
40	Social Work
41	Sociology
42	Statistics and O R
43	Tourism and Hotel Management
44	University Institute of Eng. & Technology
45	University School of Management
46	Women's Study Research Centre
47	UIT Building
48	Public Administration department
49	ION Beam Centre
50	Zoology
<b>Institute/College/School at the Campus</b>	
1	University College (Institute of Integrated Honors Studies)
2	University College of Education (Institute of Teacher's Training & Reserach)
3	University Sr. Sec.Model School
<b>Directorates Centres</b>	
1	Directorate of Distance Education
2	UGC Human Resource Dev Centre
3	Computer Centre
4	Mahatma Gandhi Coaching Centre
5	Dr. B. R Ambedkar Studies Centre
6	Gulzari Lal Nanda Centre of Ethics & Philosophy
7	University Health Centre
<b>Hostels Office</b>	
1	Chief Warden (Boys)
2	Chief Warden (Girls)
<b>Hostel (Boys)</b>	
1	Ambedkar Bhawan
2	Arjun Bhawan
3	Ch. Devi Lal Bhawan
4	Harsh Bhawan
5	Narhari Bhawan
6	Pratap Bhawan
7	Ch. Ranbir Singh Bhawan
8	Shaheed Bhagat Singh Bhawan
9	Swami Vivekanand Bhawan
10	Subhash Bhawan
11	Bheema Bhawan
12	Tagore Bhawan
13	International Bhawan



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<b>Hostel (Girls)</b>	
1	Ahilaya Bhawan
2	Bharti Bhawan
3	Devyani Bhawan
4	Ganga Bhawan
5	Gargi Bhawan
6	Kasturba Bhawan
7	Kalpana Chawla Bhawan
8	Laxmi Bai Bhawan
9	Meera Bhawan
10	Sarswati Bhawan
11	Subhadra Bhawan
12	Uttara Bhawan
13	Yamuna Bhawan
<b>Services / Facilities</b>	
1	Jawahar Lal Nehru Library
2	Public Relations Office
3	Dharohar Haryana Museum
4	Youth & Cultural Affairs
5	University Printing & Publications Bureau
6	NSS
7	NCC
8	Directorate of Sports
9	Land & Farming Department
10	Horticulture Department
11	Security Department
12	Employment Bureau (University)
<b>Associations</b>	
1	Kurukshetra University Teaching 'Association (KUTA)
2	Kurukshetra University Nonteaching Employees Association (KUNTEA)
3	Kurukshetra University Kurukshetra Alumni Association (KUKAA)
<b>General</b>	
1	Post Office and Banks on Campus
2	NIT Kurukshetra
3	District Administration
3	University Health Centre and Doctors (On University Penal of Kurukshetra)
4	Press Correspondents/Journalists/Print Media
5	Electronic Media
6	Sport education building
7	Non-Teaching club
8	Senior Modal School
9	Construction Branch
10	University Market



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### 1.3 Green Monitoring Committee:-

INTERNAL QUALITY ASSURANCE CELL  
KURUKSHETRA UNIVERSITY KURUKSHETRA  
[Established by the State Legislature Act XII of 1956]  
(\*A+\* Grade, NAAC Accredited)

E-mail:- [head.iqac@kuk.ac.in](mailto:head.iqac@kuk.ac.in) Dated: 06.04.2021

**NOTIFICATION**

The IQAC Committee in its meeting held under the Chairmanship of the Vice-Chancellor on March 15, 2021 has constituted a Committee of following members to frame the modalities for Green audit, Energy audit, and Environment audit of the University and also suggest the ways for environmental promotional activities beyond the campus, sensor based energy conservation.

(i) Prof. Smita Chaudhary (Convener), Institute of Environmental Studies.  
(ii) Dr. Ram Avtar, Electrical Department, UIET  
(iii) Dr. Pooja Arora, Institute of Environmental Studies  
(iv) Dr. Dipti Grover, Institute of Environmental Studies  
(v) XEN/SDO (Electrical), Construction Branch

Director, IQAC

Endst. No. IQAC/21/ 932 (1-10) Dated: 06.04.2021

Copy to:-

a) All the members of the Committee for necessary actions.  
b) Chairpersons/Directors of the concerned Departments/Institutes.  
c) P.A. to the Vice-Chancellor, KUK (for kind information of the Vice-Chancellor)  
d) PS to the Registrar, KUK (for kind information of the Registrar)

Director, IQAC  
Internal Quality Assurance  
Kurukshehra University, Kuruk

### 1.4 Energy Audit Team

The study team constituted of the following senior technical executives from **Empirical Exergy Private Limited,**

- ✚ **Mr. Rajesh Kumar Singadiya** [Director & Accrediated Energy Audit AEA-0284]
- ✚ **Mr. Rakesh Pathak,** [Director]
- ✚ **Dr. Suresh Soni** [ Reviewer]
- ✚ **Mr. Sachin Kumawat** [ Project Engineer]
- ✚ **Mrs. Laxmi Raikwar Singadiya,** [Energy Engineer]
- ✚ **Mr. Ajay Nahra ,** [Site Engineer]
- ✚ **Mr. Akash Kumar,** [Site Engineer]



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### **1.5 About Green Auditing**

Eco campus is a concept implemented in many educational institutions, all over the world to make them sustainable because of their mass resource utilization and waste discharge in to the environment.




Green audit means to identify opportunities to sustainable development practices, enhance environmental quality, improve health, hygiene and safety, reduce liabilities achieve values of virtue. Green audit also provides a basis for calculating the economic benefits of resource conservation projects by establishing the current rates of resource use and their associated costs.

Green auditing of “**KUK University**” enables to assess the life style, action and its impact on the environment. This green audit was mainly focused on greening indicators like utilisation of green energy (solar energy) and optimum use of secondary energy sources (petrol and diesel) in the University campus, vegetation, and carbon foot print of the campus etc. The aim of green auditing is to help the institution to apply sustainable development practices and to set examples before the community and young learners.

### **1.6 Objectives of Green Auditing**

The general objective of green audit is to prepare a baseline report on “Green campus” and alternative energy sources (solar energy), measures to mitigate resource wastage and improve sustainable practices.

#### **The specific objectives are:**

-  To inculcate values of sustainable development practices through green audit mechanism.
-  To provide a database for corrective actions and future plans.
-  To identify the gap areas and suggest recommendations to improve the green campus status of the University.





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**CHAPTER- 2  
GREEN CAMPUS**

**2.1 Green Audit**

In the survey, focus has been given on assessment of present status of plants and tree in the University campus and efforts made by the University authorities for nature conservation. Campus has approximately 29,431 trees/ medicinal herbs/ ornamental plants. The detail is given below:



Fig.2.1 Green Campus of KUK University



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Table :-2.1 List of plants in University campus

Sr. No.	Tree Name	Botanical and family Name	Total
1	Aadu	<i>Prunus Persica</i>	29
2	Aalamkhor	NA	2
3	Aljora	<i>Corida myxa</i>	72
4	Aketish	<i>Acacia auriculiformis</i>	2
5	Albeda	<i>white Acacia</i>	31
6	Aljosh	<i>Mimusops elengi</i>	21
7	Almunda	<i>Allamanda cathartica</i>	23
8	Alstonia	<i>Alostonia scholaris</i>	237
9	Aalubukhara	<i>Prunus Bokharensis</i>	60
10	Amaltas	<i>Cassia Fistula</i>	396
11	Amrud	<i>Psidium guajava</i>	773
12	Anar	<i>Punica protopunica</i>	28
13	Arokeriya	<i>Areucaria araucana</i>	71
14	Anaspati	<i>Pyrus communis</i>	84
15	Andar	<i>Acacia nilotica</i>	4
16	Aawla	<i>Phyllanthus emblica</i>	281
17	Arjun	<i>Terminalia arjuna</i>	876
18	Ashoka	<i>Saraca asoca</i>	760
19	Babul	<i>Vachellia nilotica</i>	2
20	Badh	<i>Ficus benghalensis</i>	48
21	Baiken	<i>Aesculus indica</i>	37
22	Balam Kheera	<i>Kigelia pinnata</i>	41
23	Beery	<i>Arbutus unedo</i>	44
24	Balpathar	<i>Couroupita guianensis</i>	72
25	Baidal	<i>Aegle marmelos</i>	4
26	Bottal	<i>Brachychiton rupestris</i>	70
27	Bottal Palm	<i>Hyophorbe lagennicaulis</i>	534
28	Bugan Belliya	<i>Bougainvillea</i>	73
29	Canal	<i>Picea abies</i>	46
30	Coppar	<i>Peltophorum pterocarpum</i>	34
31	Catchkana	<i>Casuarinia</i>	1
32	Celendara	<i>Calendula</i>	14
33	Chakotra	<i>Citrus Maxima merr.</i>	9
34	Chameli	<i>Indian Cork tree</i>	12
35	Chandani	<i>Tabernaemontana divaricata</i>	586
36	Chid	<i>Pinus roxburghil</i>	52
37	Chiku	<i>Manilkara zapota</i>	30
38	Chilka	<i>Terminalia bellirica</i>	5
39	Chilita Kela Palm	NA	2



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40	Coppar Bottal bush	<i>Callistemon Spp.</i>	238
41	Coppar Tapari	<i>Acalypha wilkesiana</i>	161
42	Cristal Palm	<i>Arecaceae</i>	18
43	Croten	<i>Codiaeum variegatum</i>	24
44	Crycus Palm	<i>Cycas revoluta</i>	2
45	Daik	<i>Neolamarckia cadamba</i>	183
46	Dhori	<i>Bauhinia variegata</i>	14
47	Double Stonia	<i>Alstonia scholaris</i>	10
48	Firojiya	<i>Ficus racemosa</i>	10
49	Faix	<i>Ficus carica</i>	2181
50	Faix Gudhal	<i>Hibiscus</i>	24
51	Falberiyas	<i>Albizia</i>	2
52	Ficus	<i>Ficus benjamina</i>	42
53	Fish Palm	<i>Caryota urens</i>	119
54	Gaab	<i>Diospyros malabarica</i>	4
55	Galgal	<i>Citrus Pseudoloimon tanaka</i>	2
56	Gada	<i>Asteraceae</i>	7
57	Gulmohar	<i>Delonix regia</i>	21
58	Golden Bottal Bush	<i>Melaleuca bracteata</i>	49
59	Golden Tapari	NA	49
60	Gudhal	<i>Hibiscus</i>	1648
61	Gulab	<i>Rose</i>	849
62	Gulachin Champa	<i>Plumeria</i>	79
63	Gulmor	<i>Delonix regia</i>	65
64	Gular	<i>Cluster fig</i>	34
65	Aarika Palm	<i>Areca palm</i>	56
66	Harsingar	<i>Nyctanthes arbor -Tristis</i>	35
67	Himalya Potensa	NA	11
68	Imli	<i>Tamarind</i>	6
69	Jamoya	<i>Syzygium jambos</i>	2990
70	Jamun	<i>Syzygium cumini</i>	509
71	Jangal Jalebi	<i>Madras thorn</i>	33
72	Kadam	<i>Burflower Tree</i>	736
73	Kachnar	<i>Bauhinia variegata</i>	32
74	Kadam Champa	<i>Burflower Tree</i>	5
75	Kaichakana	<i>Senegalia catechu</i>	13
76	Kaichurana	<i>Zedoary</i>	15
77	Kadipatta	<i>Murraya Koenigii</i>	60
78	Kanak Champa	<i>Pterospermum acerifolium</i>	33
79	Kanghi Palm	<i>Cycas revoluta</i>	27
80	Kapur	<i>Cinnamomum camphora</i>	20
81	Kathal	<i>Jackfruit</i>	39



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82	Karmda	<i>Carissa carandas</i>	15
83	Karojiya	NA	7
84	Krotan	<i>Croton Californicus</i>	5
85	Kasoda	<i>Senna siamea</i>	8
86	Khirni	<i>Manilkara hexandra</i>	32
87	Kesiya	<i>Pinus kesiya</i>	32
88	Kela Palm	<i>Borassus</i>	12
89	Kaitheriya Champa	<i>Magnolia Name</i>	1
90	Kikar	<i>Gum Arabic Tree</i>	246
91	Kinu	<i>Citrus nobilis X Citrus deliciosa</i>	13
92	Kipar Tapari	NA	9
93	Kamal	<i>Nelumbo nucifera</i>	30
94	Kesar	<i>Autumn crocus</i>	1
95	Kusum	<i>Carthamus tinctorius</i>	102
96	Kund	<i>Jasminum multiflorum</i>	73
97	Laila Majnu	<i>Excoearia Bicolor</i>	15
98	Lajastonia	<i>Alstonia</i>	146
99	Loquat	<i>Eriobotrya Japonica</i>	74
100	Liechi	<i>Litchi Chinensis</i>	43
101	Lasoda	<i>Cordia dichotoma</i>	18
102	Motia	<i>Arabian Jasmine</i>	22
103	Mahua	<i>Madhuca iongifolia</i>	14
104	Mehndi	<i>Lawsonia inermis</i>	9
105	Moninda	<i>Moringa oleifera</i>	5
106	Mango	<i>Mangifera indica</i>	1697
107	Morpankhi	<i>Oriental Arbor-Vitae</i>	419
108	Morsari	<i>mimusops elengi</i>	782
109	Mosambi	<i>Citrus limetta</i>	31
110	Narangi	<i>Citrus - X Sinensis</i>	16
111	Nasoda	<i>Cordia dichotoma</i>	24
112	Neem	<i>Azadirachta indica</i>	1175
113	Nimbu	<i>Citrus limon</i>	259
114	Peplar	<i>Piper nigrum</i>	
115	Palm	<i>Borassus</i>	78
116	Papdi	<i>Dolichos sites</i>	25
117	Pirawan	<i>Portulaca oleracea</i>	224
118	Pilkhan	<i>Ficus Virens</i>	1
119	Papita	<i>Carica papaya</i>	16
120	Peepal	<i>Ficus religiosa</i>	37
121	Rubber Plant	<i>Ficus Elastica</i>	139
122	Retha	<i>Sapindus Mukorossi</i>	7
123	Ratrani	<i>Cestrum Nocturnum</i>	18



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124	Rudraksh	<i>Eleeocarpus angustifolius</i>	12
125	Rose	<i>Rosa indica</i>	7
126	Sagwan	<i>Tectona Grandis</i>	258
127	Safeda	<i>Manilkara Zapota</i>	2812
128	Sahtut	<i>Morus alba</i>	278
129	Sycus Palm	<i>Cycas revoluta</i>	12
130	Sapora	<i>Sapodilla</i>	5
131	Simble	<i>Murraya koenigii</i>	43
132	Sarav	<i>Solanum torvum</i>	10
133	Saru	<i>Casuarina equisetifolia</i>	2
134	Singhal	NA	2
135	Sayosh	<i>Catharanthus</i>	7
136	Silver Oak	<i>Terminalia serices</i>	1535
137	Simlata	<i>Sarcostemma acidumwight</i>	32
138	Siras	<i>Albizia lebbeck</i>	172
139	Sisam	<i>Dalbergia sissoo</i>	999
140	Sitashok	<i>Saraca asoca</i>	8
141	Sujana	<i>Thunbergia alata</i>	35
142	Table Palm	<i>Livistona rotundifolia</i>	75
143	Takoma	<i>Trumpetbushes</i>	134
144	Uniparas	<i>Petunia</i>	766
145	Tapari	<i>Physalis angulata</i>	38
<b>Total Trees</b>			<b>29431</b>

<b>Dharohar Building</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty.</b>
1	Karojiya	15
2	Bottle Palm	87
3	Copar Tapari	62
4	Bugan Beliya	10
5	Mango	6
6	Double Lagistoniya	2
7	Yunifarsh	6
8	Falberiya	2
9	Gulmohar	2
10	Peepal	2
11	Silver Oak	4
12	Pilrawan	1
13	Faix	23
14	Sitashok	3
15	Sigal Ashok	1
<b>Total</b>		<b>226</b>



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<b>University 2nd Gate Entrance</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Silver Oak	134
2	Agjora	21
3	Gudhal	41
4	Chandani	8
5	Mango	5
6	Jamun	5
7	Sagwan	30
8	Sisam	32
9	Peepal	6
10	Morsari	19
11	Ashok	39
12	Faix	9
13	Fairogiya	10
14	Bottal Palm	2
15	Gold Mohar	5
16	Sarav	10
17	Kadam	5
18	Siras	3
19	Safeda	161
20	Neem	54
21	Kikar	12
22	Bakain	27
23	Andar	4
24	Nasoda	2
25	Kathal	1
26	Chandani Himalist	8
	<b>Total</b>	<b>653</b>

<b>Tourism and MBA Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Kusum	1
2	Ashoka Pdhal	11
3	Krojiya	2
4	Gudhal	13
5	Morsari	2
6	Kapor	1
7	Khirni	1



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8	Kadam Champa	4
9	Sagwan	82
10	Safeda	12
11	Dhori	3
	<b>Total</b>	<b>132</b>

<b>Yoga to Pahadi Rajwah</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	29
2	Neem	30
3	Mango	28
4	Anwala	15
5	Ashok pedhala	27
6	Amrud	5
7	Morsari	23
8	Champa	5
9	Ashokeriya	2
10	Mitiya	3
11	Kadam	3
12	Belpathar	10
13	Lophat	3
14	Sisam	3
15	Papadi	3
16	Bugan Beliya	11
17	Morpankhi	23
18	Silver Chok	13
19	Lajstoniya	31
20	Suhajana	4
21	Sahtus	2
22	Mango	6
23	Kopar	1
24	Gaab	2
25	Chid	3
26	Siras	3
27	Badh	3
28	Morsari	15
29	Tooj	4
30	Jamun	2
31	Chandani	10
32	Paipplar	6
	<b>Total</b>	<b>328</b>



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<b>VIP Guest House</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Arjun	708
2	Nasoda	1
3	Amaltas	152
4	Sisam	21
5	Kikar	8
6	Paiplar	12
7	Neem	12
8	Safeda	2168
9	Gular	3
10	Gamun	6
11	Kesiya	2
12	Daik	4
13	Siras	3
14	Kainak Champa	22
15	Simbal	1
16	Tooj	8
17	Mango	3
18	Amrud	1
	<b>Total</b>	<b>3135</b>

<b>VIP Guest House Second Side</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Peepal	10
2	Baiken	10
3	Anwala	27
4	Neem	139
5	Jamun	11
6	Sisam	22
7	Mango	27
8	Safeda	52
9	Peepal	14
10	Papada	130
11	Kikar	9
12	Nasoda	8
13	Jangal Jalebi	3
14	Siras	29
15	Kesiya	3
16	Chandani Himalayapotensa	2
17	Arjun	52





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18	Silver Chok	223
19	Morsari	34
20	Chandani	57
21	Kusum	24
22	Daik	7
23	Amaltas	25
24	Neem	35
25	Amrud	3
26	Coopar Bottal Bush	45
27	Tooj	13
28	Paiplar	16
29	Sisam	6
<b>Total</b>		<b>1036</b>

<b>No-3 Guest House</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Silver Oak	253
2	Coopar Bottal Bush	66
3	Faix	52
4	Chandani	61
5	Peepal	3
6	Morsari	55
7	Mango	198
8	Unifarsh	81
9	Palm	2
10	Lajstoiniya	47
11	Paiplar	8
12	Ashoika Pidal	62
13	Chilta	2
14	Kikar	6
15	Safeda	19
16	Neem	78
<b>Total</b>		<b>993</b>

<b>No-3 Guest House Second Side</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	26
2	Daik	11
3	Bottal	67
4	Jamun	36
5	Amaltas	5
6	Croten	17



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7	Aljora	2
8	Ashokeriya	4
9	Sagwan	2
10	Gada	1
11	Mosami	20
12	Nimbu	7
13	Capoor	1
14	Kela Palm	3
15	Himalya Pentisa	3
16	Champa	8
17	Gulab	679
	<b>Total</b>	<b>892</b>

<b>V. C. Residence</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gulamir	17
2	Liechi	7
3	Chiku	3
4	Mosmi	7
5	Anaspatti	6
6	Kosiya	2
7	Morpankhi	32
8	Chid	18
9	Belpathar	12
10	Kashoda	8
11	Kathal	2
12	Lohkat	5
13	Aalunkhor	2
14	Aadu	7
15	Anar	4
16	Anwla	14
	<b>Total</b>	<b>146</b>

<b>V. C. Residence Second Side</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Narangi	7
2	Galgal	1
3	Sayosh	7
4	Tafoma	13
5	Gudhal	6
6	Rubber Plant	3
7	Monida	5



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8	Jamode	17
9	Beery	2
10	Arjun	69
11	Surjana	1
12	Sisam	80
13	Paipler	10
14	Daik	1
15	Neem	78
	<b>Total</b>	<b>300</b>

<b>Rose Garden</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Celendra	9
2	Gudhal	49
3	Ashokeriya	5
4	Bottal Palm	129
5	Golden Bottal Bush	44
6	Faix	16
7	Ashokapadla	79
8	Sagwan	8
9	Neem	1
10	Amrud	1
11	Mango	8
12	Silver Oak	21
13	Peepal	1
14	Badh	1
15	Jamun	1
16	Silver Oak	73
17	Mango	2
18	Papdi	2
	<b>Total</b>	<b>450</b>

<b>Rose Garden Second Side</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Coppar Bottal Bush	11
2	Fish Palm	12
3	Sita shok	3
4	Morpankhi	18
5	Unifarsh	65
6	Krojiya	3
7	Morsari	2
8	Gaan	1



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9	Capoor	1
10	BuganBelliya	2
11	Chilta Kela Palm	2
12	Sapora	5
13	Kachnar	2
14	Takoma	17
15	Kund	15
16	Chameli	7
17	Motiya	6
18	Chid	2
19	Kanki Palm	3
20	Aljora	14
21	Himalya Patinsa	2
	<b>Total</b>	<b>193</b>

<b>Library</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Unifarsh	20
2	Gudhal	30
3	Celendra	4
4	Bottal Palm	53
5	Pilkhan	2
6	Badh	2
7	Lajstoniya	1
8	Albeda	27
9	Chandani	17
10	Faix	9
11	Kandhi Palm	10
12	Mango	2
13	Ashokeriya	7
14	Almunda	2
15	Neem	2
16	Peepal	1
17	Sagwan	12
18	Ashoka	28
19	Belpathar	2
20	Silver	28
	<b>Total</b>	<b>259</b>

<b>A. I. H. Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Kusum	31



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2	Bottal Palm	25
3	Morpankhi	16
4	Gudhal	29
5	Peepal	5
6	Rudraksh	1
7	Morsari	19
8	Retha	5
9	Narangi	3
10	Rose	61
	<b>Total</b>	<b>195</b>

<b>A. I. H. Department Second Side</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Karotan	4
2	Ratrani	2
3	Rubber Plant	3
4	Coopar Bottal Bush	15
5	Kadam	1
6	Champa	7
7	Alstoniya	3
8	Kesiya	20
9	Amaltas	2
10	Gulmohar	5
11	Jamun	5
12	Mango	1
	<b>Total</b>	<b>68</b>

<b>U. S. I. C.</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	1
2	Amaltas	1
3	Morsari	2
4	Ashokeriya	13
5	Mango	1
6	Neem	3
7	Peepal	1
8	Aljora	7
9	Daik	2
10	Sisam	2
	<b>Total</b>	<b>33</b>



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<b>President Park</b>		
Sr. No.	Tree Name	Qty
1	Faix	12
2	Bottal Palm	15
3	Neem	3
4	Silver Oak	32
5	Laila Majnu	3
6	Morsari	10
7	Kipar Tapari	9
8	Gudhal	17
9	Gulab	170
10	Ashokeriya	2
11	Kadam	9
12	Gulmohar	1
13	Aljora	10
	<b>Total</b>	<b>293</b>

<b>Institute of Phramaceutical Sciences Park</b>		
Sr. No.	Tree Name	Qty
1	Morsari	13
2	Chilta	2
3	Kusum	14
4	Anwla	9
5	Safeda	3
6	Bottal Palm	9
7	Retha	13
8	Mango	7
9	Gudhal	24
10	Rose	35
11	Tafoma	16
12	Golden Bottal Bush	5
13	Sisam	3
14	Badh	4
15	Amrud	1
	<b>Total</b>	<b>158</b>



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<b>Maths Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	5
2	Amaltas	1
3	Tooj	2
4	Bottal Palm	10
5	Ashok	12
6	Peepal	2
7	Kadam	2
8	Jamun	6
9	Simbal	1
10	Kathal	2
11	Takosa	15
12	Kund	6
13	Kaichkna	13
14	Kesiya	47
15	Golden Tapari	13
	<b>Total</b>	<b>137</b>

<b>Fountain Park</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morsari	9
2	Unipars	4
3	Faix	16
4	Amaltoniya	1
5	Neem	6
6	Siras	1
7	Sigbal	2
8	Rose	45
9	Silver	3
10	Satrani	2
11	Laila Majnu	2
12	Gudhal	5
13	Siras	3
14	Nasoda	1
15	Safeda	7
	<b>Total</b>	<b>107</b>



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<b>ION Beam Centre</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Daik	1
2	Peepal	1
3	Kund	2
4	Leichi	1
5	Gular	2
6	Arjun	1
7	Balmkhira	8
8	Amaltas	1
9	Kapoor	8
10	Neem	5
11	Neem	6
12	Mahua	4
13	Belpathar	5
14	Jangal Jalebi	1
15	Mango	24
16	Ashokeriya	1
17	Palm	23
18	Safeda	2
19	Bugan Belliya	2
20	Morsri	9
21	Chid	1
22	Saru	2
23	Harsingar	1
24	Pilkhan	3
25	Jamun	2
26	Chandani	5
27	Anar	2
28	Tooj	3
29	Ashoka	21
30	Aljora	4
31	Amrud	1
32	Anwala	2
33	Kusum	4
	<b>Total</b>	<b>158</b>





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<b>History Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Unifarsh	28
2	Faix	196
3	Peepal	9
4	Kadam	27
5	Gudhal	116
6	Laila Majnu	7
7	Sisam	5
8	Almunda	20
9	Mango	25
10	Harika Palm	12
11	Faix Gudhal	24
12	Amaltas	9
13	Neem	21
14	Cristal Palm	17
15	Kaicruna	15
16	Coopar Tapari	44
17	Gulachin Champa	23
18	Keepar Bottal Bush	23
19	Morpankhi	25
20	Rudraksh	1
21	Gulmor	16
22	Lajstonia	18
23	Arjun	3
24	Chandani	31
25	Surjana	2
26	Amrud	5
27	Ratrani	1
28	Cainal	7
29	Silver Oak	61
30	Takoma	10
31	Siras	2
32	Nasoda	2
33	Daik	1
34	Sagwan	2
35	Tawadi	56
36	Table Palm	3
37	Ashoka	13
	<b>Total</b>	<b>880</b>



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**University College (Inst of Integrated Honors Studies)**

Sr. No.	Tree Name	Qty
1	Daik	12
2	Daiseniya	5
3	Aljora	8
4	Bugan Belliya	1
5	Rose	117
6	Anar	2
7	Chid	1
8	Capoor	1
9	Kadipatta	1
10	Gudhal	20
11	Pilkhan	2
12	Belpathar	4
13	Chakotra	1
14	Papdi	1
15	Kainal	4
16	Harsingar	1
17	Kronjiya	2
18	Harika Palm	5
19	Tooj	1
	<b>Total</b>	<b>189</b>

**U. I. E. T.**

Sr. No.	Tree Name	Qty
1	Ashoka	22
2	Amaltas	2
3	Mango	4
4	Morpankhi	8
5	Neem	32
6	Bottal Palm	10
7	Morsari	73
8	Jamun	2
9	Amrud	1
10	Silver Oak	87
11	Peepal	8
12	Paipier	1
13	Surjana	1
14	Faix	365
15	Unipars	432
16	Gudhal	70
17	Chid	25
18	Fish Palm	39
19	Chandni	7
	<b>Total</b>	<b>1189</b>



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<b>Law Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gulachin Champa	1
2	Morpankhi	27
3	Bottal Palm	27
4	Rudraksh	1
5	Coopar Tapari Bottal Bush	17
6	Arokeriya	2
7	Gulmor	3
8	Atasatoniya	41
9	Kesiya	3
10	Sisam	3
11	Copar Bottal Bush	4
	<b>Total</b>	<b>129</b>

<b>Botany Department</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Beery	1
2	Takoma	10
3	Silver Oak	56
4	Chandani	50
5	Kainal	5
6	Ashoka	24
7	Ficus	4
8	Morpankhi	23
9	Karojiya	3
10	Alstonia	42
11	Motia	6
12	Gudhal	11
13	Kadam	32
14	Arjun	6
15	Lajstonia	4
16	Belpathar	7
17	Mehandi	9
18	Khirmi	32
19	Mango	11
20	Arokeriya	1
21	Morsari	30
22	Mahua	5



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23	Jamun	98
24	Kapur	4
25	Kainak Champa	5
26	Anwla	25
27	Neem	55
28	Badh	4
29	Biadl	3
30	Chilta	3
31	Imli	4
32	Babul	1
33	Sagwan	2
34	Unipars	26
35	Daik	4
36	Surjana	2
37	Lajstonia	7
38	Kusum	11
39	Kadiptta	4
40	Narngi	2
41	Chameli	1
42	Gada	6
43	Albeda	4
44	Tutadi	1
45	Kela Palm	1
46	Amrud	1
47	Laila Majnu	2
48	Tooj	6
49	Jamoya	1
50	Papdi	21
51	Simlata	32
52	Copar Bottal Bush	1
53	Daik	1
54	Gulmohar	2
55	Table Palm	9
56	Beery	1
57	Pilkan	1
58	Cycus Palm	2
59	Crotan	5
60	Aketish	2
61	Bottal Palm	28
62	Amaltas	6
63	Sisam	5
64	Bulachin champa	2



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65	Arjun	2
66	Peepal	3
67	Kikar	1
68	Kesiya	11
69	Alubukhara	1
70	Kund	1
71	Alstonia	66
72	Gulmor	6
73	Belpathar	3
74	Amaltas	12
75	Lasoda	2
76	Kachnar	1
77	Neem	18
78	Kesiya	1
79	Silver Oak	40
	<b>Total</b>	<b>941</b>

<b>M T H Complex</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Badh	2
2	Morsari	1
3	Gudhal	4
4	Chandani	3
5	Motia	3
6	Amrud	9
7	Pipal	2
8	Jamun	5
9	Mango	5
10	Nimbu	7
11	Kadipatta	2
12	Catchkana	1
13	Papdi	3
14	Daik	11
15	Paiplat	5
16	Safeda	12
17	Kikar	2
18	Sisam	21
19	Sagwan	30
20	Siras	4
21	Gular	2
22	Beery	1
23	Ashoka	2
24	Surjana	4



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25	Kathal	1
26	Coopar Bottal Bush	1
27	Kainal	3
	<b>Total</b>	<b>146</b>

<b>B. T. H. Complex</b>		
Sr. No.	Tree Name	Qty
1	Mango	5
2	Amrud	8
3	Nimbu	4
4	Anar	2
5	Jamun	3
6	Gular	1
7	Daik	2
8	Arokeriya	1
9	Neem	4
10	Sisam	2
11	Coopar Bottal Bush	2
12	Fish Palm	5
	<b>Total</b>	<b>39</b>

<b>Near E-1 Residency</b>		
Sr. No.	Tree Name	Qty
1	Neem	1
2	Coopar BPottal Bush	1
3	Jamun	1
4	Daik	1
5	Tuth	1
6	Gulmor	1
7	Mango	7
8	Table Palm	2
	<b>Total</b>	<b>15</b>

<b>Near E-2 Residency</b>		
Sr. No.	Tree Name	Qty
1	Chiku	1
2	Jamun	1
3	amrud	1
4	Belpathar	1
5	Mango	3
6	Nimbu	2
7	Surjana	2



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8	Daik	1
9	Neem	1
	Total	<b>13</b>

<b>Near E-4 Residency</b>		
Sr. No.	Tree Name	Qty
1	Mango	4
2	Chiku	1
3	Amrud	3
4	Anwla	1
5	Jamun	1
6	Badhal	1
7	Kinu	1
8	Nimbu	3
	Total	<b>15</b>

<b>Near E-5 Residency</b>		
Sr. No.	Tree Name	Qty
1	Mango	4
2	Harsingar	1
3	Neem	1
4	Nimbu	2
5	Amrud	3
6	Coopar Bottal Bush	5
7	Liechi	1
8	Morpankhi	1
		<b>18</b>

<b>Near E-6 Residency</b>		
Sr. No.	Tree Name	Qty
1	Jamun	2
2	Harsingar	1
3	Neem	2
4	Amrud	6
5	Mango	2
6	Kadipatta	2
7	Anwla	2
8	Morpankhi	2
9	Anar	1
10	Aadu	2



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11	Karonda	2
12	Nimbu	2
13	Belpathar	1
	Total	<b>27</b>

<b>Near E-7 Residency</b>		
<b>Sr. No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	7
2	Nimbu	3
3	Arokeriya	1
4	Aadu	1
5	Amrud	2
6	Lokat	2
	Total	<b>16</b>

<b>Near E-8 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Toot	1
2	Mango	4
3	Amrud	2
4	Ashoka	4
5	Kathal	1
6	Harsingar	1
7	Gudhal	1
8	Chiku	1
	Total	<b>15</b>

<b>Near E-9 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	9
2	Nimbu	1
3	Ficus	2
4	Liechi	1
5	cinu	1
6	Amrud	11
7	Silver Oak	12
8	Sirus	2
9	Neem	2
10	Arokeriya	1
	Total	<b>42</b>





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<b>Near E-10 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gudhal	25
2	Sirus	1
3	Anwala	2
4	Nimbu	2
5	Jamun	1
6	Mango	5
7	Amrud	2
8	Surjana	2
9	Kund	1
10	Coopar Bottal Bush	1
	<b>Total</b>	<b>42</b>

<b>Near E-11 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Coopar Bottal Bush	1
2	Sirus	1
3	Mango	2
4	Amrud	1
5	Amaltas	5
6	Daik	1
7	Neem	1
	<b>Total</b>	<b>12</b>

<b>Near E-12 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	9
2	Lasoda	2
3	Jamun	2
4	Chakotara	2
5	Amaltas	3
6	Neem	2
7	Tooth	1
8	Gulachin Champa	1
9	Amrud	3
10	Nimbu	2
11	Kadipatta	1
12	Belpathar	1
13	Harsingar	1
14	Morpankhi	2
15	Aalubukhara	2
	<b>Total</b>	<b>34</b>



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<b>Near E-14 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amaltas	2
2	Coopar Bottal Bush	6
3	Anwala	2
4	Neem	1
5	Leichi	1
6	Mango	5
7	Kanghi Palm	1
8	Jamun	1
9	Amrud	2
10	Nimbu	2
11	Surjana	1
12	Chandni	2
13	Ashoka	2
14	Gudhal	2
	<b>Total</b>	<b>30</b>

<b>Near E-16 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Belpathar	2
2	Kachnar	1
3	Neem	1
4	Nimbu	1
5	Mango	2
6	Anwla	2
7	Narangi	2
8	Chiku	2
9	Lokat	1
10	Mausambi	2
11	Amrud	2
12	Fish Palm	1
13	Kand	1
14	Harsingar	3
15	Morpankhi	1
16	Lajstonia	7
17	Karmda	1
18	Dusinia	11
	<b>Total</b>	<b>43</b>



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<b>Near E-17 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Bottal Palm	10
2	Golden Faix	10
3	Mango	5
4	Nimbu	2
5	Anar	1
6	Gudhal	8
7	Neem	1
8	Amrud	2
9	Liechi	1
10	Lokat	2
11	Arokeriya	1
12	Kanghi Palm	1
13	Amltas	16
14	Kund	5
15	Tooth	1
16	Ashoka	6
	<b>Total</b>	<b>72</b>

<b>Near E-18 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Bottal Palm	20
2	Coopar Bottal Bush	5
3	Chiku	1
4	Kathal	1
5	Liechi	1
6	Nimbu	1
7	Amrud	1
8	Jamun	1
9	Arokeriya	22
10	faicus	15
11	Kadipatta	1
12	Belpathar	1
13	Alstonia	1
14	Morpankhi	15
15	Uniparus	6
16	Golmor	1
17	Lasoda	1
18	Neem	15
19	Amaltas	8
20	Sesam	3
	<b>Total</b>	<b>120</b>



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<b>Near E-19 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morsari	3
2	Bottal Palm	5
3	Faicus	21
4	Mango	3
5	Ashoka	11
6	Harika Palm	5
7	Himalya Potensa	1
8	Nimbu	2
9	Amrud	1
10	Aljora	2
11	Kachanar	1
12	Tooj	2
13	Amaltas	8
14	Neem	2
	<b>Total</b>	<b>67</b>

<b>Near E-20 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	1
2	Belpathar	1
3	Ashjoka	4
4	Bottal Palm	1
5	Kund	1
6	Chiku	1
7	Mango	4
8	Arokeriya	1
9	Mausambi	2
10	Anwla	1
11	Amrud	1
12	Nimbu	2
13	Jamun	1
14	Kadipatta	1
15	Maorpankhi	1
16	Kanghi Palm	1
17	Gudhal	1
18	Chandani	1
	<b>Total</b>	<b>26</b>



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<b>Near E-21 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	5
2	Morpankhi	2
3	Ashoka	2
4	Table Palm	3
5	Bottal Palm	1
6	Belpathar	1
7	Neem	1
8	Kainal	1
9	Chandani	2
10	Gudhal	2
11	Nimbu	2
12	Kund	2
13	Anwla	1
	<b>Total</b>	<b>25</b>

<b>Near E-22 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	6
2	Nimbu	2
3	Liechi	2
4	Anwla	1
5	Neem	1
6	Jamun	2
7	Anar	2
8	Aadu	2
9	Kadipatta	1
10	Lokat	2
11	Amrud	2
12	Morpankhi	2
13	Gudhal	20
14	Chandani	20
15	Gulmor	3
16	Coopar Bottal Bush	5
	<b>Total</b>	<b>73</b>



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<b>Near E-23 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	5
2	Badh	1
3	Faix	3
4	Morpankhi	2
5	Table Palm	5
6	Chandani	1
7	Motia	1
8	Nimbu	1
9	Coten	1
10	Bottal Bush	3
11	Gulmor	3
	<b>Total</b>	<b>26</b>

<b>Near E-24 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Coopar Bottal Bush	4
2	Mango	7
3	Amrud	2
4	faix	2
5	Chiku	1
6	Nimbu	1
7	Belpathar	1
8	Golden Tapari	3
9	Ashoka	4
10	Anwala	1
11	Anar	1
12	Lokat	1
13	Ratrani	1
14	Motia	1
15	Liechi	1
16	Laila Majnu	1
	<b>Total</b>	<b>32</b>



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<b>Near E-25 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	6
2	Nimbu	1
3	Chiku	1
4	Gudhal	1
5	Arokeriya	1
6	Chandani	1
7	Neem	1
8	Lokat	1
9	Amrud	1
	<b>Total</b>	<b>14</b>

<b>Near E-26 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	8
2	Jamun	1
3	Amrud	2
4	Mango	4
5	Neem	1
6	Narangi	1
7	Cinu	1
8	Bottal Palm	1
9	Kanghi Palm	1
10	Liechi	1
11	Morpankhi	1
12	Lokat	1
13	Chiku	1
14	Chandani	2
15	Anwla	6
16	Gudhal	2
	<b>Total</b>	<b>34</b>



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<b>Near E-27 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	2
2	Mango	7
3	Silver Oak	1
4	Cristal Palm	1
5	Karmda	1
6	Arokeriya	3
7	Amrud	1
8	Kathal	1
9	Celndra	1
10	Bundal	1
11	Loakt	1
12	Coopar Bottal Bush	1
13	Caner	1
14	Gudhal	30
15	Chandani	30
16	Anwla	1
	<b>Total</b>	<b>83</b>

<b>Near E-28 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	8
2	Morsari	4
3	Nashpati	2
4	Liechi	2
5	Mango	6
6	Nimbu	2
7	Amrud	5
8	Silver Oak	1
9	Jamun	2
10	Peepal	1
11	Alstonia	1
12	Sahtot	3
13	Siras	1
	<b>Total</b>	<b>38</b>





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<b>Near E-29 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	1
2	Safeda	1
3	Jamun	1
4	Amrud	2
5	Mango	7
6	Nimbu	2
7	Chandni	1
8	Gudhal	1
	<b>Total</b>	<b>16</b>

<b>Near E-30 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	6
2	Faix	7
3	Coopar Tapari	2
4	Cinu	1
5	Kadipatta	2
6	Amrud	1
7	Gudhal	4
8	Neem	1
	<b>Total</b>	<b>24</b>

<b>Near E-33 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	3
2	Belpathar	2
3	Chandni	4
4	Rat Rani	1
5	Cinu	1
6	Nash Pati	2
7	Liechi	1
8	Amrud	4
9	Nimbu	2
10	Chiku	2
11	Gudhal	22
12	Aalubukhara	1
13	Mango	3
	<b>Total</b>	<b>48</b>



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<b>Near E-34 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	8
2	Kathal	1
3	Silver Oak	3
4	Chandni	62
5	Amrud	2
6	Anwla	6
7	Ashoka	1
	<b>Total</b>	<b>83</b>

<b>University Health Centre</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	11
2	Amrud	3
3	Gudhal	2
4	Chandni	1
5	Kund	3
6	Harsingar	2
7	Motia	1
8	Kainer	1
9	Surjna	1
10	Kadam	3
11	Bottal Palm	3
12	Safeda	3
13	Morsari	2
14	Morpankhi	1
15	Table Palm	1
	<b>Total</b>	<b>38</b>

<b>Dhobhi Ghat</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	3
2	Mango	2
3	Daik	1
4	Nimbu	3
	<b>Total</b>	<b>9</b>



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<b>D-21 to D-25 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Arikeriya	2
2	Aadu	2
3	Chandani	4
4	Himalya	1
5	Bottal Palm	5
6	Ashoka	8
7	Neem	4
8	Mango	4
9	Chiku	1
10	Nimbu	2
11	Cinu	2
12	Amrud	2
13	Gudhal	53
14	Jamun	2
15	Amaltas	2
16	Coopar Bottal Bush	3
17	Papdi	2
18	Naspati	2
19	Silver Oak	1
20	Kadipatta	1
21	Muraiya	12
22	Faix	4
23	Sahtut	1
	<b>Total</b>	<b>120</b>

<b>D-1 to D-5 Residency</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	3
2	Mango	20
3	Nimbu	6
4	Harsingar	1
5	Chandani	2
6	Kaner	4
7	Lokat	1
8	Anwla	2
9	Surjna	1
10	Gulmor	2
11	Amrud	3
12	Copar	1
13	Ashoka	1
14	Kanghi Palm	1
	<b>Total</b>	<b>48</b>



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<b>Residency D-6 to D-10</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Coopar	5
2	sagwan	4
3	Aadu	1
4	Mango	6
5	Liechi	2
6	Anwla	1
7	Amrud	4
8	Jamun	5
9	Nimbu	3
10	Belpathar	2
11	Neem	2
12	Papdi	3
13	Amaltas	1
14	Lokat	1
15	Peepal	1
16	Chandani	5
17	Gudhal	5
	<b>Total</b>	<b>51</b>

<b>Residency D-11 to D-15</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	3
2	Nimbu	4
3	Gudhal	2
4	Himalya Putensa	2
5	Ashoka	6
6	Mango	21
7	Lokat	2
8	Neem	7
9	Coopar	1
10	Jamun	3
11	Chandani	6
12	Chiku	1
13	Morsari	1
14	Harika Palm	4
15	Kund	1
16	Gudhal	35
17	Daik	1
	<b>Total</b>	<b>100</b>



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<b>Residency D-16 to D-20</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gudhal	40
2	Mango	17
3	Amrud	7
4	Motia	1
5	Nimbu	2
6	Arjun	1
7	Anwla	2
8	Lokat	1
9	Neem	4
10	Morpankhi	1
11	Jamun	3
12	Chandani	1
13	Arokeriya	2
	<b>Total</b>	<b>82</b>

<b>Teacher's Club</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Coopar	7
2	Alstonia	1
3	Jamun	3
4	Mango	5
5	Amrud	2
6	Gudhal	3
7	Morpankhi	7
8	Morsari	2
9	Silver Oak	22
10	Neem	1
11	Sahtut	2
12	Chandani	1
13	Golden Coopar	1
	<b>Total</b>	<b>57</b>



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<b>Residency D-30</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Arikeriya	3
2	Bottal Palm	1
3	Coopar Bottal Bush	5
4	Gudhal	1
5	Chandani	1
6	Mango	2
7	Aalubukhara	1
8	Morpankhi	1
9	Chiku	1
10	Gudhal	50
11	Anwla	1
	<b>Total</b>	<b>67</b>

<b>Residency D-33</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	1
2	Mango	2
3	Nimbu	3
4	Anar	3
5	Naspati	1
6	Coopar Bottal Bush	1
7	Aalubukhara	6
8	Bottal Palm	2
9	Total	19

<b>Residency D-32</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	5
2	Mango	2
3	Amrud	2
4	Gulmohar	1
	<b>Total</b>	<b>10</b>



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<b>Residency D-39</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	2
2	Mango	1
3	Gudhal	2
4	Faix	2
5	Lasoda	2
6	Sahtut	1
7	Aalubukhara	1
8	Jamun	4
	<b>Total</b>	<b>15</b>

<b>Residency D-38</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Harsingar	2
2	Jamun	3
3	Papdi	2
4	Coopar Bottal Bush	6
5	Mango	8
6	Nimbu	2
7	Neem	1
	<b>Total</b>	<b>24</b>

<b>Residency D-41</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Chandani	1
2	Nimbu	1
3	Gudhal	7
4	Ashoka	8
5	Aadu	1
6	Amrud	1
7	Mango	2
8	Arokeriya	1
	<b>Total</b>	<b>22</b>



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<b>Residency D-40</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Nimbu	1
2	Gudhal	1
3	Chandani	2
4	Lokat	1
5	Amrud	2
6	Chameli	1
	<b>Total</b>	<b>8</b>

<b>Residency D-42</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Lokat	1
2	Jamun	1
3	Liechi	1
4	Amrud	1
5	Mango	3
	<b>Total</b>	<b>7</b>

<b>Residency D-46</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Kadipatta	1
2	Neem	1
3	Anwla	1
4	Jamun	1
5	Mango	1
	Total	5
	<b>Total</b>	<b>10</b>

<b>Residency D-45</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morpankhi	2
2	Table Palm	1
3	Chandani	1
4	Ashoka	1
5	Bottal Palm	1
6	Daik	1
7	Kainal	1
	<b>Total</b>	<b>8</b>





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<b>Residency D-44</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	1
2	Jamun	1
3	Morpankhgi	3
4	Morsari	2
	<b>Total</b>	<b>7</b>

<b>Residency D-49</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	1
2	Jamun	1
3	Amrud	1
4	Ashoka	1
5	Nimbu	1
6	Gudhal	30
	<b>Total</b>	<b>35</b>

<b>Residency D-48</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gudhal	1
2	Mango	1
	<b>Total</b>	<b>2</b>

<b>Residency D-47</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	1
2	Ashoka	8
3	Liechi	1
4	Neem	1
	<b>Total</b>	<b>11</b>

<b>Residency D-50</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Kathal	1
2	Sehtut	5
3	Neem	4
4	Amrud	4
5	Mango	5
6	Anwla	3
7	Belpathar	2



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8	Harsingar	2
9	Chandani	60
10	Gudhal	60
11	Papular	2
12	Faix	1
	<b>Total</b>	<b>149</b>

<b>B T H Complex-second side</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Sagwan	12
2	Neem	18
3	Safeda	3
4	Peepal	1
5	Belpathar	4
6	Amrud	1
7	Mango	3
8	Gudhal	5
9	Badh	1
10	Daik	1
	<b>Total</b>	<b>49</b>

<b>Residency F-1 to F-6</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Peepal	2
2	Badh	3
3	Neem	5
4	Belpathar	2
5	Morsari	13
6	Gulachin Champa	35
7	Mango	24
8	Amrud	9
9	Liechi	4
10	Nimbu	6
11	Chandani	7
12	Gudhal	62
13	Morpankhi	4
14	Chiku	3
15	Galgal	1
16	Kamda	1
17	Hrsingar	2
18	Jamun	6
19	Naspati	1
20	Bottal Palm	2
21	Faix	8
22	Arokeriya	3



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23	Nimbu	4
24	Aalubukhara	2
25	Kadipatta	2
26	Gular	1
27	Daik	2
28	Anwla	3
29	Table Palm	2
30	Chameli	1
31	Ashoka	11
32	Croten	1
33	Kanghi Palm	1
34	Coopar	2
35	Kathal	2
36	Baingan Belliya	1
37	Naspati	3
38	Aadu	1
39	Kamal	1
40	Lokat	1
41	Surjana	1
42	Chakotra	1
43	Himalya Potensa	1
44	Gulmohar	1
45	Kanak Champa	1
46	Balam Kheera	30
47	Amaltas	5
48	Kadam	9
49	Cachnar	6
50	Silver Oak	6
51	Sahtut	3
52	Sagwan	3
53	Paiplar	8
54	Papdi	2
55	Kusum	1
	<b>Total</b>	<b>322</b>

<b>Bheema Bhawan</b>		
Sr.No.	Tree Name	Qty
1	Safeda	49
2	Jamun	3
3	Bugan belliya	8
4	Belpathar	2
5	Amrud	1
6	Morpankhi	2
7	Bottal Palm	9
8	Ashoka	9



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9	Neem	20
10	Jangal Jalebi	2
11	Sisam	3
12	Amaltas	4
13	Mango	1
14	Kachnar	1
15	Gudal	1
16	Kanal	1
	<b>Total</b>	<b>116</b>

<b>Dr. Ambedkar Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	1
2	Kusum	2
3	Amrud	1
4	Amaltas	2
5	Nimbu	2
6	Morpankhi	7
7	Neem	1
8	Alstonia	1
	<b>Total</b>	<b>17</b>

<b>Subhash Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	3
2	Silver Oak	5
3	Neem	3
4	Kusum	6
5	Chandani	2
6	Harsingar	2
7	Morpankhi	4
8	Ashoka	10
9	Tooj	10
10	Jamun	1
11	Fish Palm	1
12	Kund	1
13	Bugan Belliya	2
	<b>Total</b>	<b>50</b>



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<b>Bhagat Singh Park</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Bottal Palm	67
2	Amaltas	3
3	Pilkhan	1
4	Silver Oak	3
5	Mango	1
6	Peepal	1
7	Sagwan	1
8	Gudhal	7
9	Kathal	1
10	Takoya	2
11	Arokeriya	2
12	Rudraksh	1
13	Chameli	1
	<b>Total</b>	<b>91</b>

<b>Ranbir Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Faix	7
2	Fish Palm	3
3	Tooj	3
4	Harsingar	1
5	Neem	1
6	Paiplar	1
7	Sudana	1
8	Jamun	1
	<b>Total</b>	<b>18</b>

<b>Devi Lal Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morsari	16
2	Neem	4
3	Chandani	8
4	Ashoka	8
5	Morpankhi	5
6	Sahrtut	2
7	Mango	1
8	Nimbu	1
9	Gulmor	3



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10	Kesiya	1
11	Belpathar	1
12	Amrud	6
13	Anar	1
14	Jamun	2
15	Kadipatta	1
	Total	<b>60</b>

<b>Power House-3</b>		
Sr.No.	Tree Name	Qty
1	Amrud	1
2	Morpankhi	3
3	Anar	1
4	Sisam	1
5	Jamun	1
6	Nimbu	1
	Total	<b>8</b>

<b>Bhagat Singh Bhawan</b>		
Sr.No.	Tree Name	Qty
1	Kathal	1
2	Mahua	1
3	Jamun	4
4	Amrud	4
5	Badh	1
6	Sisim	2
7	Pilkan	1
	Total	<b>14</b>

<b>N.N.C.</b>		
Sr.No.	Tree Name	Qty
1	Mango	6
2	Amaltas	8
3	Jamun	3
4	Papdi	50
5	Amrud	9
6	Chandani	3
7	Gudhal	2
8	Aadu	1
9	Sagwan	2
10	Sahtut	1
11	Anwla	2



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12	Morpankhi	4
13	Peepal	2
14	Neem	5
15	Keriya	2
	Total	<b>100</b>

<b>Tagore Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Tooj	4
2	Amaltas	12
3	Neem	14
4	Peepal	1
5	Daik	9
6	Sisam	5
7	Sujana	2
8	Kikar	2
9	Jangal Jalebi	1
10	Amrud	27
11	Kapoor	3
12	Jamun	13
13	Belpathar	2
14	Chandani	5
15	Naspati	1
16	Mango	1
17	Morpankhi	2
18	Faix	7
19	Unipars	6
20	Bottal Palm	6
21	Gulachin Champa	1
22	Coopar	2
23	Aalubukhara	1
24	Kathal	2
25	Sagwan	1
	Total	<b>130</b>



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<b>Arjun Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	19
2	Daik	2
3	Sahtut	5
4	Peepal	1
5	Silver Oak	7
6	Faix	2
7	Neem	1
8	Jamun	17
9	Chandani	7
10	Amaltas	8
11	Kachnar	1
12	Mango	9
13	Belpathar	1
14	Papdi	1
15	Aalubukhara	1
16	Coopar	4
17	Anaspati	1
18	Table Palm	2
	<b>Total</b>	<b>89</b>

<b>Sawami Vivekanand Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Peepal	1
2	Badh	2
3	Arjun	4
4	Anwla	2
5	Morsari	1
6	Sisam	1
7	Neem	2
8	Jamun	2
9	Ashoka	2
10	Gulachin Champa	1
11	Ratrani	1
	<b>Total</b>	<b>19</b>





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<b>Pratap Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	46
2	Morsari	7
3	Chandni	2
4	Sagwan	8
5	Neem	9
6	Amrud	2
7	Cenal	1
8	Ratrani	1
	<b>Total</b>	<b>76</b>

<b>Cash (Account )</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	2
2	Mango	4
3	Jamun	1
4	Neem	1
5	Chandni	1
	<b>Total</b>	<b>9</b>

<b>Narhari Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	9
2	Amrud	10
3	Morpankhi	1
4	Chandani	7
5	Morsari	12
6	Sahtut	1
7	Amaltas	5
8	Ratrani	1
9	Jamun	2
10	Canel	2
11	Kesiya	7
12	Sagwan	3
13	Neem	2
14	Gulmor	4
15	FishPalm	10
	<b>Total</b>	<b>76</b>



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<b>Harsh Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Balam Kheera	33
2	Jamun	4
3	Kesiya	9
4	Neem	59
5	Morpankhi	7
6	Sagwan	27
7	Mango	13
8	Sujana	4
9	Anwla	59
10	Safeda	3
11	Ashoka	7
12	Faix	6
13	Arjun	1
14	Kund	1
	<b>Total</b>	<b>233</b>

<b>Front of Harsh Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Sagwan	107
2	Kusum	2
3	Kadam	78
4	Neem	5
5	Mango	4
6	Sisam	3
7	Alstonia	1
8	Gulmor	3
9	Anwla	6
10	Balam Kheera	2
11	Unipars	2
12	Peepal	5
13	Fish Palm	9
14	Amaltas	4
15	Siras	1
16	Fish Palm	9
17	Capoor	1
	<b>Total</b>	<b>242</b>



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<b>Residency D-51 to D-55</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amaltas	2
2	Jamun	3
3	Nimbu	3
4	Kadipatta	2
5	Mango	165
6	Kachnar	2
7	Gudhal	4
8	Morpankhi	2
9	Kamal	2
10	Jangal Jalebi	4
11	Daik	1
12	Neem	4
13	Kesiya	1
14	Sahtut	1
15	Amrud	7
16	Harsingar	1
17	Unipars	4
18	Peepal	1
19	Takoma	1
	<b>Total</b>	<b>210</b>

<b>Residency D-56 to D-66</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	18
2	Gudhal	2
3	Kadam	1
4	Belpathar	2
5	Amaltas	1
6	Faix	4
7	Jangal Jalebi	6
8	Gulmohar	1
9	Sahtut	7
10	Kesiya	2
11	Kathal	1
12	Amrud	12
13	Jamun	7
14	Neem	3
15	Nimbu	6
16	Badh	2
17	Table Palm	1



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18	Liechi	1
19	Daik	1
	<b>Total</b>	<b>78</b>

<b>Residency H-115,117,124,10</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Nimbu	5
2	Kadipatta	1
3	Sahtut	3
4	Daik	1
5	Amrud	11
6	Mango	9
7	Jamun	4
8	Neem	4
9	Silver Oak	2
10	Sisam	1
11	Gudhal	1
12	Kathal	3
13	Belpathar	1
14	Peepal	1
	<b>Total</b>	<b>47</b>

<b>Green Velly</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Takoma	34
2	Motia	7
3	Harika Palm	12
4	Faix	1080
5	Siras	4
6	Sisam	3
7	Babul	1
8	Neem	2
9	Mango	2
10	Peepal	1
11	Unipars	38
12	Coppar Tapari	24
13	Gudhal	59
14	Bugan Belliya	12
15	Safeda	4
16	Silver Oak	1
	<b>Total</b>	<b>1284</b>



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University Market		
Sr.No.	Tree Name	Qty
1	Alstonia	3
2	Neem	2
3	Peepal	4
4	Pilkhan	3
5	Badh	4
6	Morsari	5
7	Chid	1
8	kadam	1
9	Daik	1
	<b>Total</b>	<b>24</b>

University Model Sr. Sec . School		
Sr.No.	Tree Name	Qty
1	Morsari	24
2	Amaltas	34
3	Arjun	2
4	Neem	22
5	Kachnar	2
6	Silver Oak	71
7	Kadsam	2
8	Bottal Palm	39
9	Table Palm	13
10	Ashoka	27
11	Kesiya	17
12	Sisam	9
13	Unipars	2
14	Golden Tapari	22
15	Faix Palm	4
16	Daik	1
17	Sahtut	3
18	Faix	9
19	Kusum	1
20	Kund	1
21	Alstonia	4
22	Morpankhi	44
23	Bottal Palm	15
24	Chandani	3
25	Kamal	3
	<b>Total</b>	<b>374</b>



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<b>Construction Branch</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	2
2	Neem	3
3	Amaltas	3
4	Peepal	1
5	Beery	2
6	Jamun	1
7	Belpathar	1
8	Anwla	1
	<b>Total</b>	<b>14</b>

<b>Near S.B.I.</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	2
2	Mango	3
3	Morsari	5
4	Ashoka	2
5	Gudhal	5
6	Daik	1
7	Neem	1
8	Amrud	1
9	Kadam	1
10	Silver Oak	1
	<b>Total</b>	<b>22</b>

<b>Post Office</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	5
2	Jamun	1
3	Sagwan	1
4	Mango	5
5	Silver Oak	2
6	Chandani	2
7	Gudhal	4
8	Morpankhi	9
9	Aalubukhara	1
	<b>Total</b>	<b>30</b>



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<b>Non Teaching Club</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Fish Palm	8
2	Silver Oak	99
3	Bottal Palm	4
4	Table Palm	10
5	Harika Palm	10
6	Takoma	2
7	Chandani	8
8	Gudhal	18
9	Kund	7
10	Gulmor	1
11	Siras	1
12	Sisam	1
	<b>Total</b>	<b>169</b>

<b>Chalis Bagh -01</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	20
2	Mango	109
3	Silver Oak	78
4	Gudhal	9
5	Takoma	6
6	Badh	1
7	Kund	3
8	Chandai	4
9	Siras	6
10	Sahtut	2
11	daik	5
	<b>Total</b>	<b>243</b>

<b>B.E.1,2,3and 4</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	9
2	Morsari	5
3	Kroten	1
4	Ashokeriya	1
5	Chandani	11
6	Harika Palm	1
7	Belpathar	7
8	Harsingar	1
9	Jamun	1
	<b>Total</b>	<b>37</b>



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<b>Tube Well No.5</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Sagwan	20
2	Safeda	3
3	Amrud	2
4	Neem	4
5	jamun	2
6	Aalubukhara	2
7	Mango	2
8	Berry	3
9	Kadipatta	2
10	Lajstonia	31
11	Peepal	1
	<b>Total</b>	<b>72</b>

<b>Back Side Govt. School</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	6
2	Silver Oak	4
3	Mango	7
4	Peepal	3
5	Nimbu	10
6	Lokat	1
7	Arjun	13
8	Cakotra	3
9	Sahtut	5
10	Badh	1
11	Jamun	5
12	Amrud	8
13	Aalubukhara	2
14	Daik	3
15	Anwla	3
16	Anar	1
	<b>Total</b>	<b>75</b>

<b>C-Type</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	39
2	Jamun	8
3	Neem	1
4	Nimbu	5
5	Amrud	9
6	Gudhal	30
7	Peepal	2





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8	Daik	4
9	Lokat	1
10	Belpathar	2
11	Anwla	1
12	Safeda	1
13	Ashoka	1
14	Sahtut	3
	<b>Total</b>	<b>107</b>

<b>H-type</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	36
2	Amrud	17
3	Aalubukhara	3
4	Nimbu	8
5	Jamun	2
6	Lokat	7
7	Sahtut	1
8	Daik	2
9	Kathal	2
10	Neem	6
11	Kadipatta	2
	<b>Total</b>	<b>86</b>

<b>Type D-95</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	16
2	Mango	37
3	Harsingar	3
4	Jamun	9
5	Gulmohar	2
6	Neem	30
7	Belpathar	2
8	Kathal	1
9	Sahtut	4
10	Pilkhan	1
11	Sagwan	8
12	Badh	1
13	Morsari	8
14	Beery	1
15	Gulachin Champa	3
16	Morpankhi	5



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17	Faix	30
18	Kadipatta	6
19	Lokat	1
20	Gudhal	130
21	Daik	2
22	Ashoka	12
23	Nimbu	20
24	Chid	1
25	Aadu	1
26	Silver Oak	4
27	Coopar Bottal Bush	15
28	Kund	4
29	Kamal	15
	<b>Total</b>	<b>372</b>

C/1 A		
Sr.No.	Tree Name	Qty
1	Mango	30
2	Amrud	27
3	Jamun	7
4	Daik	14
5	Ashoka	2
6	Neem	7
7	Anspati	1
8	Surjana	5
9	Badh	2
10	Sahtut	1
11	Belpathar	6
12	Balam Kheera	2
13	Nimbu	3
14	Kadipatta	7
15	Arjun	8
16	Aalubukhra	2
17	Harsingar	1
18	Santra	1
19	Ratrani	1
20	Alstonia	3
	<b>Total</b>	<b>130</b>



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<b>Type-E</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Balam Kheera	8
2	Jamun	1
3	Kamal	5
4	Mango	1
	<b>Total</b>	<b>15</b>

<b>Type-D</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	19
2	Nimbu	12
3	Ashoka	4
4	Rudraksh	1
5	Aalubukhara	1
6	Ratrani	1
7	Neem	4
8	Harsingar	1
9	Amrud	4
10	Gudhal	8
11	Chandni	10
12	Ashoka	7
13	Kadipatta	3
14	Morsari	3
15	Kamal	1
16	Sahtut	2
17	Jamun	1
18	Beery	1
19	Fish Palm	3
20	Anwla	2
21	Arokeriya	1
22	Balam Kheera	1
	<b>Total</b>	<b>90</b>

<b>Type D-35 to 42</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Belpathar	6
2	Mango	34
3	Nimbu	4
4	Chiku	1
5	Anaspati	2



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6	Silver Oak	28
7	Ashoka	8
8	Chandani	4
9	Morpankhi	5
10	Liechi	4
11	Amrud	4
12	Anwla	4
13	Kinu	1
14	Kadipatta	1
15	Lokat	2
16	Ratrani	2
17	Neem	1
18	Aadu	1
19	Gular	1
20	Unipars	6
21	Karmda	1
22	Jamun	2
23	Chiku	1
24	Amrud	2
25	Faix	1
26	Arokeriya	1
27	Siras	12
28	Kusum	1
29	Anwla	27
30	Neem	5
31	Beery	1
32	Sahrtut	1
33	Sisam	2
	<b>Total</b>	<b>176</b>

<b>Type D-43 to 50</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	9
2	Mango	27
3	Kathal	1
4	Chiku	2
5	Jamun	6
6	Belpathar	1
7	Chandani	2
8	Table Palm	3
9	Croten	1



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10	Faix	2
11	Arokeriya	12
12	Liechi	1
13	Nimbu	17
14	Neem	1
15	Balam Kheera	13
16	Morpankhi	2
17	Ashoka	19
18	Kanghi Palm	4
19	Pawan sutiya	4
20	Gudhal	4
21	Takoma	1
22	Kamal	2
23	Gulachin Champa	3
24	Gulmor	1
25	Fish Palm	1
26	Kund	1
27	Rubber Plant	1
28	Began Buliya	1
29	Motia	1
30	Anar	1
31	Harsingar	1
32	Sahtut	8
33	Sisam	2
	<b>Total</b>	<b>155</b>

<b>TypeD-55 to 61</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	4
2	Peepal	2
3	Badh	2
4	Arokeriya	6
5	Amrud	5
6	Motia	1
7	Sahtut	1
8	Siras	1
9	Mango	11
10	Harsingar	2
11	Ashoka	9
12	Jamun	2
13	Liechi	1



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14	Anaspati	2
15	Gudhal	3
16	Morpankhi	2
17	Aalubukhara	1
18	Belpathar	1
19	Gulachin Champa	2
20	Kadipatta	2
21	Faix	6
22	Nimbu	6
23	Chandani	3
24	Daik	3
25	Chiku	1
26	Began Buliya	1
27	Morsari	2
	<b>Total</b>	<b>82</b>

<b>Rest House</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	1
2	Jamun	5
3	Anwla	12
4	Badh	1
5	Morsari	6
6	Chandani	2
7	Gudhal	4
8	Motia	1
9	Arokeriya	1
10	Neem	3
11	Silver Oak	1
12	Peepal	1
13	Amaltas	2
14	Kamal	1
15	Maorpankhi	1
16	Aadu	1
17	Ashoka	3
18	Amrud	1
	<b>Total</b>	<b>47</b>



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Type D-129 to 132		
Sr.No.	Tree Name	Qty
1	Kadipatta	7
2	Lokat	2
3	Sahtut	12
4	Mango	5
5	Nimbu	4
6	Ashoka	3
7	Papita	3
8	Amrud	4
9	Neem	3
10	Bottal Palm	3
11	Arokeriya	1
12	Faix	3
13	Sisam	1
	<b>Total</b>	<b>51</b>

Type D -135 ,136 ,139 to 152		
Sr.No.	Tree Name	Qty
1	Neem	5
2	Mango	15
3	Ashoka	2
4	Nimbu	17
5	Belpathar	1
6	Amrud	15
7	Jamun	2
8	Aadu	6
9	Cronjiya	1
10	Sahtut	22
11	Lokat	2
12	kinu	2
13	Gudhal	3
14	Chandani	1
15	Arokeriya	3
16	Peepal	1
17	Faix	11
18	Harsingar	2
19	Kadipatta	6
20	Morpankhi	2
21	Paiplar	4
22	Harika Palm	5
23	Liechi	1



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24	Kadam	1
	<b>Total</b>	<b>130</b>

<b>Type H-152,164,175 to 180,188</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	64
2	Aalubukhara	13
3	Anar	2
4	Jamun	8
5	Sujana	1
6	Belpathar	2
7	Nimbu	5
8	Mango	21
9	Sahtut	11
10	Kinu	2
11	Aadu	1
12	Crotan	2
13	Arokeriya	1
14	Table Palm	1
15	Neem	9
16	Peepal	4
17	Safeda	30
18	Sisam	10
19	Kikar	1
20	Daik	37
21	Kathal	3
22	Canal	1
23	Lokat	2
	<b>Total</b>	<b>231</b>

<b>Sports Ground</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Amrud	6
2	Mango	47
3	Jamun	4
4	Neem	11
5	Aalubukhara	1
6	Kikar	17
7	Sisam	2
8	Kathal	1
9	Chiku	1
10	Mahua	2





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11	Nimbu	2
12	Siras	9
	<b>Total</b>	<b>103</b>

<b>Directorate of Distance Education</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morpankhi	6
2	Kund	1
3	Gudhal	1
4	Chandani	8
5	Silver Oak	12
6	Pilkhan	1
7	Double Alstonia	2
8	Morsari	13
9	Amrud	1
10	Daik	1
11	Anar	1
12	Jamun	2
13	Sahtut	2
14	Nimbu	2
15	Peepal	1
16	Arokeriya	2
17	Gular	2
18	Neem	2
19	Siras	2
	<b>Total</b>	<b>62</b>

<b>Swimming pool</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Kadam	550
2	Sisam	22
3	Sahtut	22
4	Mango	55
5	Peepal	3
6	Siras	4
7	Simbal	1
8	Jamun	1
9	Amrud	33
10	Belpathaar	1
11	Tapari	38
12	Balam Kheera	16
	<b>Total</b>	<b>746</b>



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<b>Gym Hall</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	12
2	fish Palm	7
3	Sahtut	6
4	Morsari	184
5	Sisam	98
6	Daik	5
7	Safeda	89
8	Balam Kheera	1
9	Papadi	19
10	Kusum	1
11	Neem	38
12	Mahua	1
13	Canal	12
14	Anwla	3
15	Amaltas	9
16	Belpathar	1
17	Imali	2
18	Kund	1
19	Kachnar	3
20	Peepal	5
21	Arjun	2
22	Beery	1
	<b>Total</b>	<b>500</b>

<b>H-74 to Kirchan Road</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Faix	57
2	Unipars	11
3	Takoma	7
4	Gudhal	8
	<b>Total</b>	<b>83</b>



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<b>Type H -153 to 163</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	2
2	Amrud	26
3	Amaltas	8
4	Coopar	6
5	Canal	10
6	Siras	9
7	Sahtut	6
8	Kadam	6
9	Morsari	95
10	Mango	39
11	Jamun	7
12	Lokat	4
13	SitaShok	2
14	Gudhal	8
15	Anaspati	2
16	Nimbu	6
17	Kikar	1
18	Beery	1
19	Belpathar	2
20	Chiku	1
21	Chakotra	2
22	Anar	2
23	Aalubukhara	2
24	Daik	1
	<b>Total</b>	<b>248</b>

<b>Girls Hostel Road</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Jamun	2
2	Fish Palm	11
3	Table Palm	14
4	Alstonia	5
5	Morsari	4
6	Morpankhi	20
7	Neem	8
8	Badh	2
9	Sisam	1
10	Siras	6
11	Kund	8
12	Takoma	10



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13	Sahtut	1
14	Gulmor	1
15	Silver Oak	70
16	Mango	1
	<b>Total</b>	<b>164</b>

<b>Narsari</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Chiku	5
2	Sahtut	12
3	Unipars	1
4	Faix	1
5	Pilkhan	1
6	Karonjiya	1
7	Amrud	182
8	Nimbu	11
9	Mango	120
10	Jamoya	2972
11	Safeda	185
12	Siras	62
13	Alstonia	1
14	Daik	13
15	Sisam	569
16	Kachnar	12
17	Kisar	1
18	Jangal Jalebi	14
19	Jamun	51
20	Kanak Champa	5
21	Badh	1
22	Aalubukhara	12
23	Naspati	13
24	Liechi	4
25	Budle	2
26	Gular	18
27	Belpathar	21
28	Amrud	2
29	Kikar	185
30	Sagwan	9
31	Nasoda	1
32	Mahua	1
33	Gaba	1



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34	coopar	1
35	Neem	105
36	Gulmor	1
37	Simbale	39
38	Beery	27
39	Arjun	2
40	Kathal	8
41	Lokat	23
42	Sahtut	3
43	Kajuraina	11
44	Silver Oak	11
45	Gudhal	7
46	Peepal	20
47	Amaltas	12
48	Karmda	9
49	Anwla	15
50	Naspati	46
	<b>Total</b>	<b>4829</b>

<b>Girls Hostel</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	8
2	Badh	1
3	Morpankhi	5
4	Alstonisa	3
5	Bottal Palm	6
6	Jamun	14
7	Silver Oak	4
8	Sisam	1
9	Faix	3
10	Morsari	5
11	Arikeriya	1
12	Nimbu	8
13	Lokat	2
14	Harsingar	1
15	Daik	4
16	Amrud	11
17	Belpathar	2
18	Kusum	1
19	Mango	19
20	Sahtut	2
21	Chandani	2



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22	Chiku	2
23	Kinu	6
24	Anar	2
25	Anwla	1
26	Harika Palm	2
27	Liechi	1
	<b>Total</b>	<b>117</b>

<b>Ahilya Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Safeda	1
2	Neem	4
3	Sisam	2
4	Bottal Palm	9
5	Unipars	3
6	Coopar Tapari	4
7	Faix	9
8	Morpankhi	7
9	Chandani	1
10	Karonjiya	2
11	Morsari	3
12	Saicus Palm	4
13	Amrud	3
14	Jamun	5
15	Mango	3
16	Almunda	1
17	Kadam	2
18	Gudhal	50
19	Silver Oak	3
	<b>Total</b>	<b>116</b>

<b>Ganga Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Morsari	5
2	Jamun	3
3	Anwla	2
4	Faix	15
5	Coopar Tapari	3
6	Peepal	1
7	Gudhal	4
8	Amrud	3



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9	Gulachin Champa	1
10	Bottal Palm	7
11	Gular	2
12	Neem	5
13	Kinu	1
14	Mango	2
15	Safeda	1
16	Sahtut	1
	<b>Total</b>	<b>56</b>

**Meera Bhawan**

Sr.No.	Tree Name	Qty
1	Silver Oak	5
2	Morpankhi	11
3	Bugan Belliya	2
4	Agjora	4
5	Arjun	1
6	Kadam	3
7	Chandani	1
8	Mango	3
9	Neem	1
10	Sisam	2
11	Badh	1
12	Jamun	3
13	Sahtut	1
14	Kathal	1
	<b>Total</b>	<b>39</b>

**Uttra Bhawan**

Sr.No.	Tree Name	Qty
1	Sisam	4
2	Gudhal	72
3	Silver Oak	2
4	Morsari	8
5	Morpankhi	7
6	Ashoka	12
7	Mango	1
8	Jamun	1
9	Amrud	1
10	Neem	1
11	Peepal	1
	<b>Total</b>	<b>110</b>



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<b>Yamuna Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Anwla	1
2	Faix	20
3	Bottal Palm	2
4	Mango	3
5	Amrud	10
6	Simble	2
7	Kikar	2
8	Belpathar	1
9	Beery	1
10	Sisam	19
11	Neem	4
12	Paiper	2
13	Sahtut	2
	<b>Total</b>	<b>69</b>

<b>Subhadra Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	12
2	Sisam	2
3	Peepal	1
4	Neem	7
5	Jamun	1
6	Ashoka	30
7	Bottal Palm	20
8	Alstonia	4
9	Faix	10
10	Morpankhi	13
11	Paipier	5
12	Morsari	2
13	Amrud	12
14	Gudhal	7
15	Silver Oak	7
16	Anwla	6
	<b>Total</b>	<b>139</b>





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<b>Health Centre Girls Hostel</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Gulachin Champa	2
2	Coopar Bottal Bush	3
3	Kusum	1
4	Alstonia	1
5	Jamun	1
6	Arjun	1
7	Amaltas	1
8	Anwla	2
9	Gudhal	10
10	Table Palm	1
	<b>Total</b>	<b>23</b>

<b>Kasturba Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Silver Oak	17
2	Ashoka	8
3	Gudhal	70
4	Kusum	13
5	Amaltas	9
6	Morsari	4
7	Bottal Palm	6
8	Faix	10
9	Morpankhi	12
10	Nimbu	1
11	Peepal	1
12	Belpathar	1
13	Jamun	2
14	Mango	4
15	Siras	1
16	Sisam	7
17	Sagwan	6
18	Chandani	3
	<b>Total</b>	<b>175</b>



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<b>Devyani Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Neem	1
2	Daik	1
3	Bottal Palm	6
4	Faix	12
5	Jamun	1
6	Ashoka	12
7	Silver Oak	1
	<b>Total</b>	<b>34</b>

<b>Kalpana Chawla Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Ashoka	8
2	Sahtut	2
3	Gulachin Champa	3
4	Coopar Tapari	5
5	Morsari	5
6	Faix	41
7	Arokeriya	1
8	Nimbu	1
9	Mango	5
	<b>Total</b>	<b>71</b>

<b>Bharti Bhawan</b>		
<b>Sr.No.</b>	<b>Tree Name</b>	<b>Qty</b>
1	Mango	5
2	Sagwan	1
3	Alstonia	9
4	Bottal Palm	4
5	Coopar	4
6	Jamun	4
7	Neem	1
8	Daik	1
9	Sisam	1
10	Kund	4
11	Morsari	16
12	Champa	1
13	Gudhal	100
14	Kanghi Palm	2
15	Sahtut	1



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16	Anwla	1
17	Morpankhi	1
18	Chandani	2
	<b>Total</b>	<b>158</b>

<b>Laxmi Bhawan</b>		
Sr.No.	Tree Name	Qty
1	Rudraksh	2
2	Faix	50
3	Mango	1
4	Daik	1
5	Amrud	1
	<b>Total</b>	<b>55</b>

<b>Gargi Bhawan</b>		
Sr.No.	Tree Name	Qty
1	Mango	26
2	Silver Oak	14
3	Neem	1
4	Daik	2
5	Kund	4
6	Nimbu	2
7	Sisam	13
8	Simble	1
9	Morpankhi	6
10	Gudhal	50
11	Unipars	1
12	Alstonia	5
13	Amrud	1
14	Bottal Palm	1
15	Kikar	1
16	Jamun	2
	<b>Total</b>	<b>130</b>

<b>Sarswati Bhawan</b>		
Sr.No.	Tree Name	Qty
1	Kusum	7
2	Sisam	4
3	Neem	15
4	Siras	1
5	Amrud	2
6	Safeda	3



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7	Mango	16
8	Morpankhi	3
9	Silver Oak	9
10	Belpathar	2
11	Arokeriya	1
12	Sahtut	2
13	Badh	1
14	Bugan Belliya	1
15	Mrosari	1
	<b>Total</b>	<b>68</b>



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## 2.2 Green Campus Photograph



University has approx. **29,431 trees** in the campus. This is good initiative taken by management for green campus under the campaign of plantation. **It's APPRECIABLE.**

**CHAPTER- 3**

**GREEN ENERGY AND SUSTAINABLE DEVELOPMENT**

**3.1 Grid Connected Solar Photovoltaic System (1000 + 600 =1600 kWp)**

There is 1600 kWp solar photovoltaic roof top grid connected systems installed on Various department. System details are given below:

Table 3.1: - 1000 kW Solar system details .

1000 kW Solar Power Plant on 01.09.2019 Installed by Ultimate Sun Systems Pvt. Ltd.				
Sr. No.	Name of Building	No. of Inverters	Capacity	No. of Panels
1	Academic Staff College	1	71.28 kWp	216
2	Education Department	1	71.28 kWp	216
3	Bio-Chemistry	1	71.28 kWp	216
4	Botany	1	71.28 kWp	216
5	Electronic Science	1	71.28 kWp	216
6	Tourism Department	1	71.28 kWp	216
7	MBA Department	1	71.28 kWp	216
8	Commerce	1	98.34 kWp	160
9	University School of Management	1		138
10	Law Department	1	52.80 kWp	160
11	Examination Wing-I	1	49.50 kWp	150
12	UIET	1	50.16 kWp	152
13	University School-1	1	96.36 kWp	292
	University School-2	1		
14	B. Pharmacy	1	49.50 kWp	150
15	Administration Block	1	45.54 kWp	138
16	Institute of Environmental Studies	1	29.70 kWp	90
17	USIC Department	1	29.70 kWp	90
<b>Total = 17 Department</b>		<b>18</b>	<b>1000.56 kWp</b>	<b>3032</b>



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Sr. No	Description	Technical Specification
1	Plant Information	
1.1	Plant capacity	1000kWp
1.2	Location	17 Buildings
1.3	Latitude & Longitude	77.47 E° & 23.17 N°
2	PV Panel Details	
2.1	Make	Saatvik Green Energy (P) Limited
2.2	Panel Type	Multi-Crystalline
2.3	Panel Wattage	330 Watt
2.4	No of PV Panels	3032
2.5	Panel Tilt Angle	23°
3	Inverter Information	
3.1	Make	Delta Power Solutions Pvt. Ltd.
3.2	Model	RPI M50A
3.3	No of Inverter	18



**Solar Module (Panel) at Different Buildings**



**Solar Inverter at Different Buildings**



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Table: - 3.2 (600 kW Solar system Details )

**600 kW Solar Power Plant on 23.03.2018 Installed by Fourth Partner Energy Pvt. Ltd.**

Sr. No.	Building Name	No of Inverters	Capacity	No. of Panels
1	University College- 01	1	50 kWp	152
2	University College-02	1	50 kWp	172
3	University College-03	1	50 kWp	152
4	University College-04	1	50 kWp	152
5	University College-05	1	50 kWp	152
6	University College-06	1	50 kWp	152
7	University College-07	1	50 kWp	152
8	Public Administration – 01	1	50 kWp	160
9	Public Administration – 02	1	20 kWp	60
10	Old Library	1	30 kWp	90
11	Auditorium	1	50 kWp	152
12	Auditorium	1	50 kWp	152
13	Auditorium	1	50 kWp	152
<b>Total = 04 Department</b>			<b>600 kWp</b>	<b>1850</b>

Sr. No	Description	Technical Specification
1	Plant Information	
1.1	Plant capacity	600 kWp
1.2	Location	04 Buildings
1.3	Latitude & Longitude	77.47 E°& 23.17 N°
2	PV Panel Details	
2.1	Make	Vikram Solar
2.2	Panel Type	Multi-Crystalline
2.3	Panel Wattage	325 Watt
2.4	No of PV Panels	1850
2.5	Panel Tilt Angle	23°
3	Inverter Information	
3.1	Make	Delta Power Solutions Pvt.
3.2	Model	RPI M50A
3.3	No of Inverter	13





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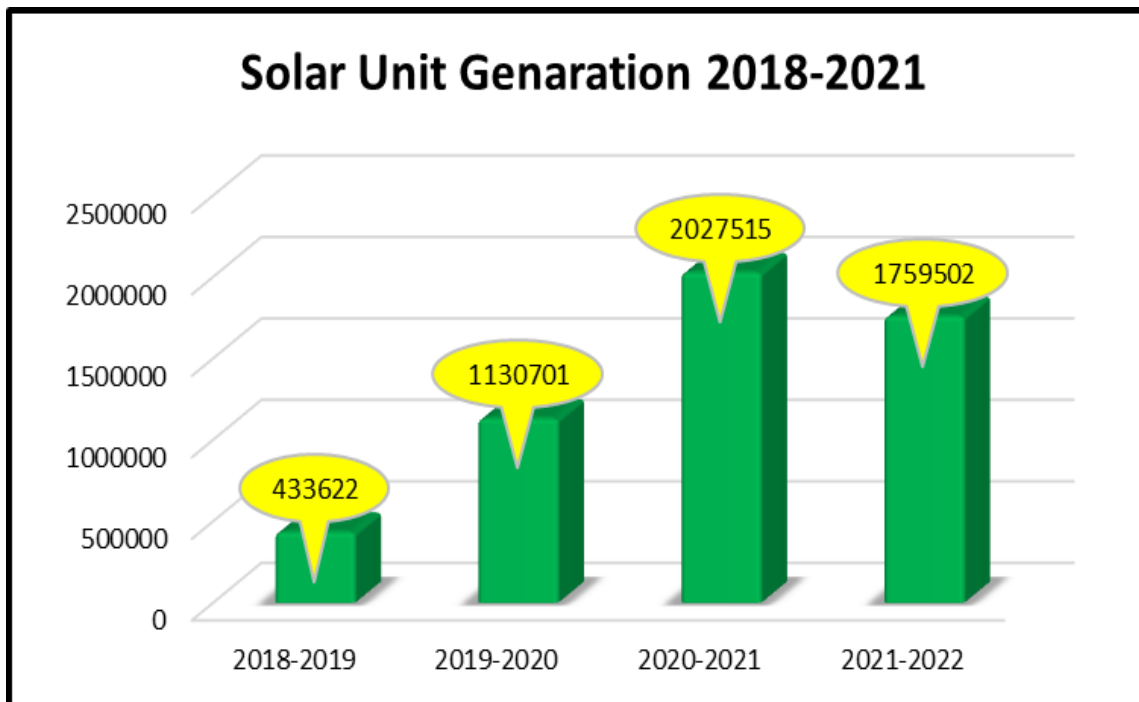
**Solar Generation from July-2018 to Feb-2019 (600 kWp)**

Generation of Electricity from Solar Power Plant 600 kWp Capacity for the Financial Year 2018-19.

Date of Commissioning of Solar Power Plant 600 kWp June-2018

Table: - 3.3 (Total Solar units generation from installation date): -

Sr. No	Year	Units Generation
1	2018-2019	4,33,622
2	2019-2020	11,30,701
3	2020-2021	20,27,515
4	2021-2022	17,59,502
	<b>Total</b>	<b>53,51,340</b>



**Observation :-**

University has 1600 kWp(1000 + 600) solar photovoltaic roof top grid connected system installed on Various 21 Buildings. Power generation from July-2018 to Dec-2021 is **53,51,340** units. Total CO<sub>2</sub> reduction is 5137.28 ton to till date from date of installation.



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Table 3.4 : - Solar units generation from Jul-2018 to feb-2019 by 600 kW

**Solar Generation Jul-2018 -Feb-2019 (600 kWp)**

Sr. No	Month & Year	Units Generated
1	Jul-18	54,697
2	Aug-18	57,544
3	Sep-18	61,191
4	Oct-18	68,550
5	Nov-18	43,574
6	Dec-18	46,727
7	Jan-19	50,659
8	Feb-19	50,680
	<b>Total</b>	<b>4,33,622</b>

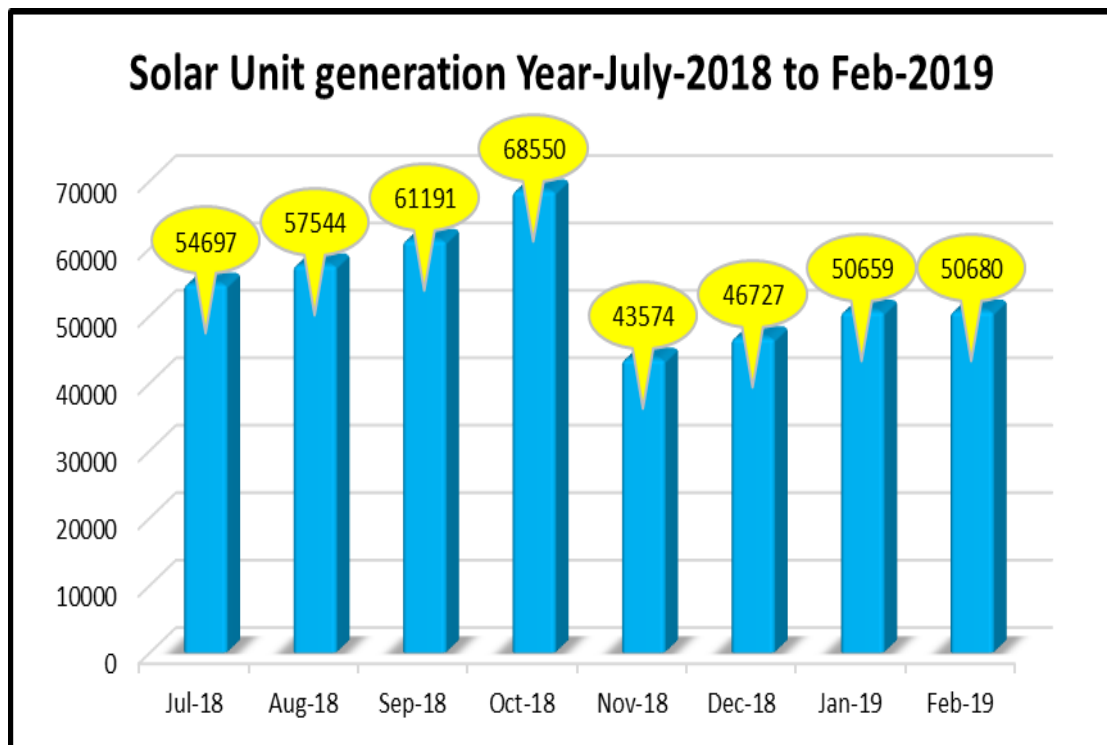


Figure:- Graphical Presentation of Solar unit generation Jul-2018-feb-2019

**Observation:**

Total units generation from July-2020 to Feb-2019 are 4,33,622 units.



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Table 3.5 :- Solar Generations from Mar-2019 to Feb-2020 (1600 (kWp))

Sr. No	Month	Units Generated
1	Mar-19	79,557
2	Apr-19	76,860
3	May-19	84,982
4	Jun-19	80,510
5	Jul-19	73,078
6	Aug-19	43,910
7	Sep-19	56,910
8	Oct-19	1,55,147
9	Nov-19	1,22,120
10	Dec-19	91,788
11	Jan-20	1,06,734
12	Feb-20	1,59,105
	<b>Total</b>	<b>11,30,701</b>

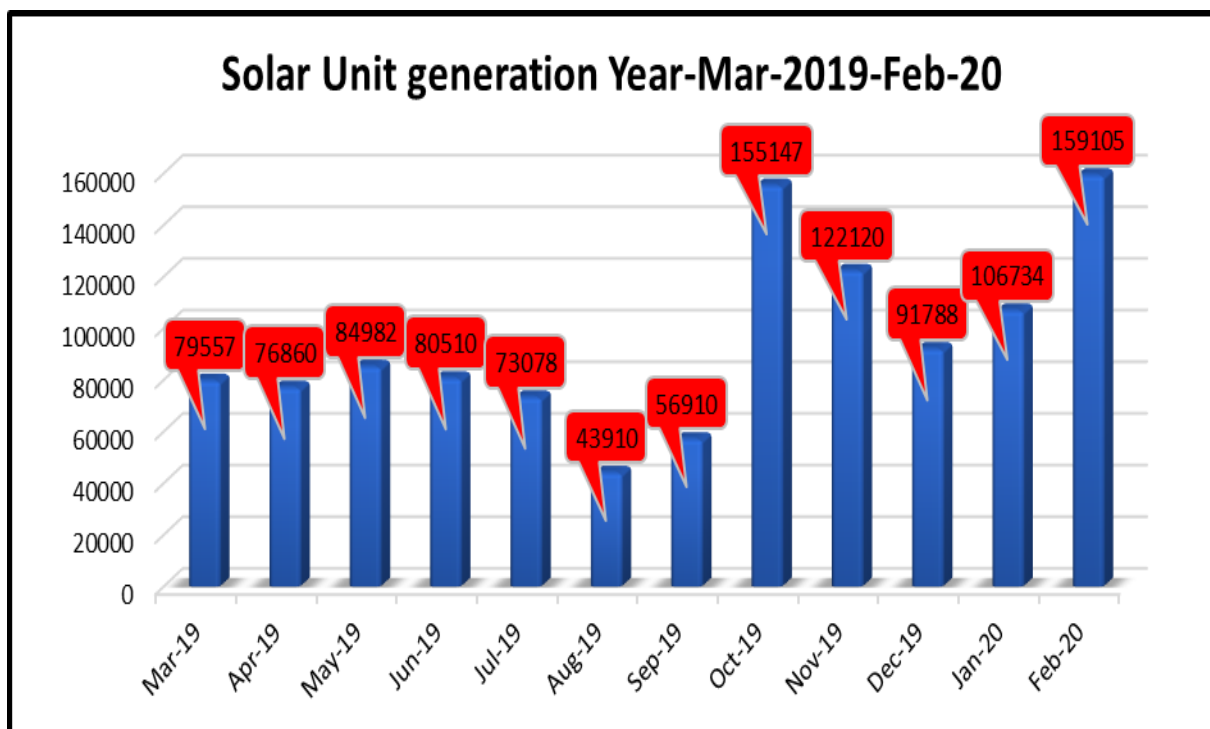


Figure:- Graphical Presentation of Solar units generation Mar-2019 to feb-2020

**Observation:**

Total units generation from Mar-2019-2020 to Feb-2020 are 11,30,701 units.



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Table 3.6 :- Solar Generation Mar-2020 to Feb-2021 (1600 (kWp))

Sr. No	Month & Year	Units Generated
1	Mar-20	1,81,497
2	Apr-20	1,81,936
3	May-20	2,06,305
4	Jun-20	1,98,702
5	Jul-20	1,83,662
6	Aug-20	1,74,201
7	Sep-20	1,96,800
8	Oct-20	1,79,919
9	Nov-20	1,37,880
10	Dec-20	1,24,939
11	Jan-21	1,05,740
12	Feb-21	1,55,934
	Total	20,27,515

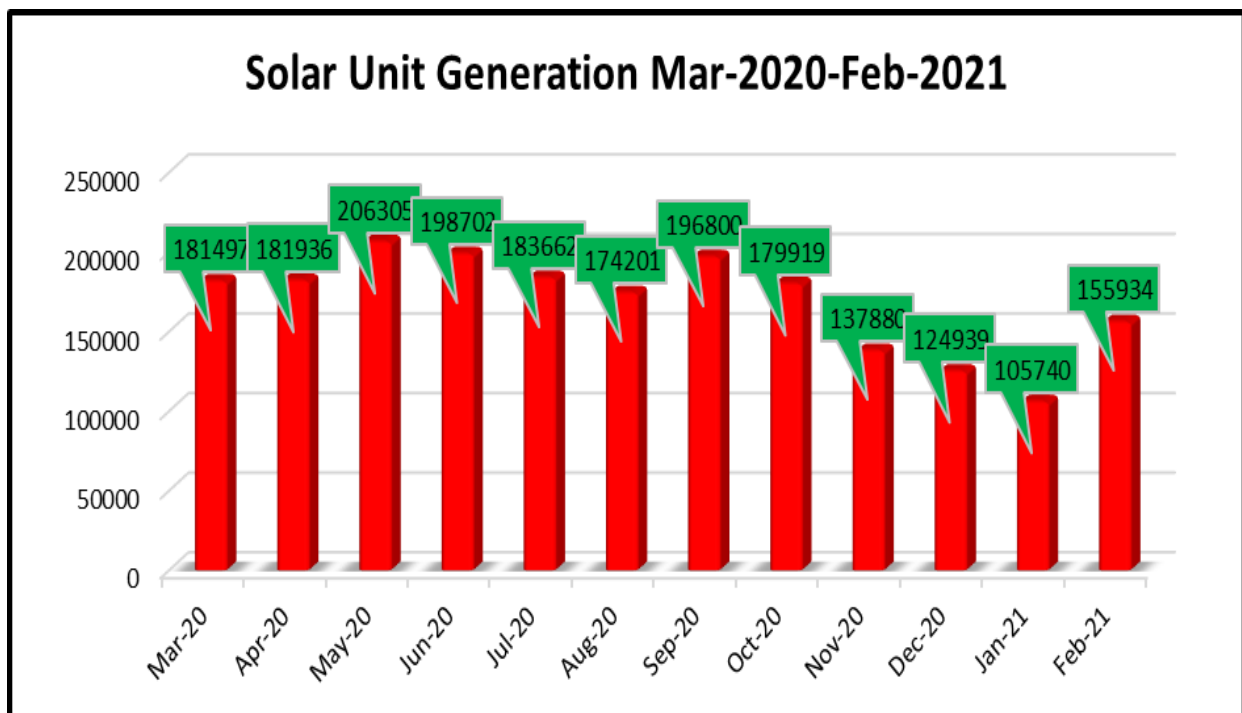


Figure: - Graphical Presentation of Solar units generation Mar-2020 to feb-2021

**Observation:**

Total units generation from Mar-2020 to Feb -2021 are 20,27,515 units.



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Table 3.7 :- Solar Generation Mar-2021 to Jan-2021 (1600 kWp)

Sr. No	Month & Year	Units Generated
1	Mar-21	2,11,282
2	Apr-21	2,18,750
3	May-21	2,09,784
4	Jun-21	1,89,549
5	Jul-21	1,75,180
6	Aug-21	1,81,360
7	Sep-21	1,51,239
8	Oct-21	1,68,035
9	Nov-21	1,36,468
10	Dec-21	1,17,855
	<b>Total</b>	<b>17,59,502</b>

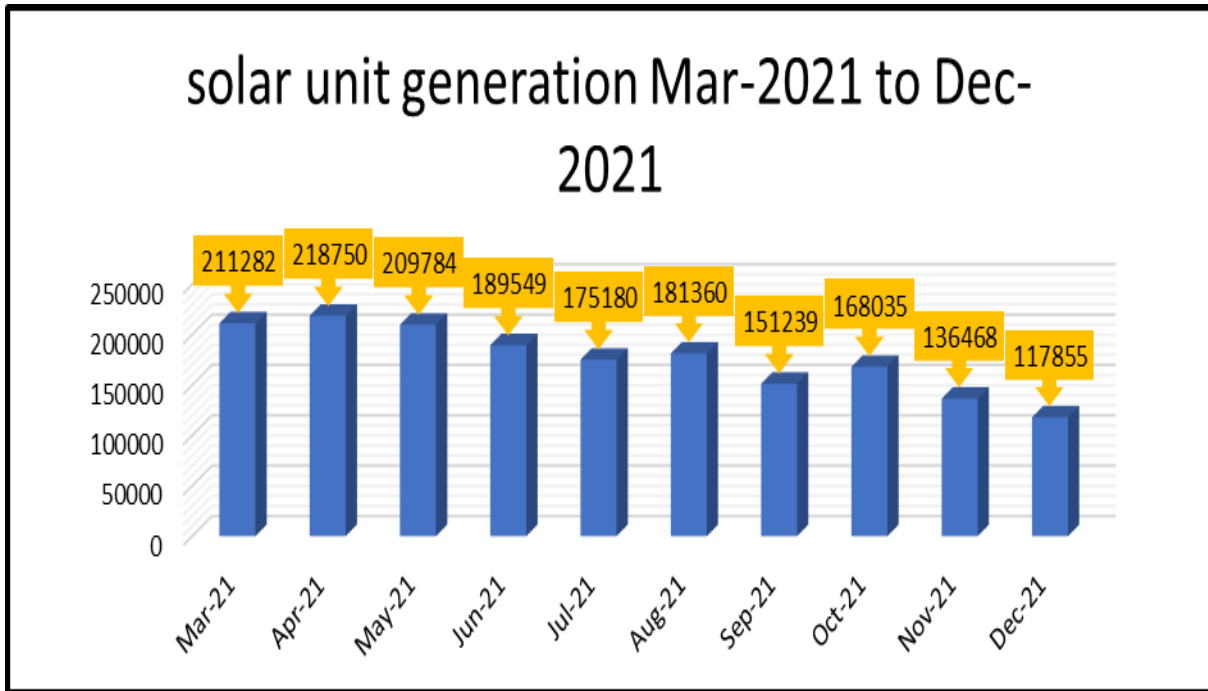


Figure:- Graphical Presentation of Solar unit generation Mar-2021 -Dec-2021

**Observation:**

Total units generation from Mar-2021 to Dec-2021 are 17,59,502 units.



## **Chapter-04**

### **Carbon Footprint analysis**

#### **4.1 About carbon foot print.**

Climate change is one of the greatest challenges facing nations, governments, institutions, business and mankind today.

Carbon footprint is a measure of the impact your activities have on the amount of carbon dioxide (CO<sub>2</sub>) produced through the burning of fossil fuels and is expressed as a weight of CO<sub>2</sub> emissions produced in tonnes.

We focus on consumption in each of our five major categories: housing, travel, food, products and services. In addition to these we also estimate the share of national emissions over which we have little control, government purchases and capital investment.

For simplicity and clarity, all our calculations follow one basic method. We multiply a use input by an emissions factor to calculate each footprint. All use inputs are per individual and include things like fuel use, distance, calorie consumption and expenditure. Working out your inputs is a matter of estimating them from your home, travel, diet and spending behaviour.

Although working out ones inputs can take some investigation on ones part, the much more challenging aspect of carbon calculations is estimating the appropriate emissions factor to use in calculation. Where possible, this emissions factor should account for as much of the relevant life cycle as possible.

**We all have a carbon footprint...**





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#### **4.2 Methodology and Scope**

The carbon footprint gives a general overview of the KUK University greenhouse gas emissions, converted into CO<sub>2</sub> -equivalents and it is based on reported data from internal and external systems. The purposes of the carbon indicators are to measure the carbon intensity per unit of product, in addition to showing environmental transparency towards external stakeholders. The carbon footprint reporting approach undertaken in this study follows the guidelines and principles set out in the “Greenhouse Gas Protocol Corporate Accounting and Reporting Standard” (hereafter referred to as the GHG Protocol) developed by the Greenhouse Gas Protocol Initiative and international standard for the quantification and reporting of greenhouse gas emissions -ISO 14064. This is the most widely used and accepted methodology for conducting corporate carbon footprints. The study has assessed carbon emissions from the Kurukshetra University Campus. This involves accounting for, and reporting on, the GHG emissions from all those activities for which the University is directly responsible. The items quantified in this study are as classified under the ISO 14064 standards: The report calculates the greenhouse gas emissions from the Kurukshetra University. This includes electricity, as well as emission associated with diesel consumption by the University vehicles. The emission associated with air travel, waste generation, administration, and marketing related activities has been excluded from the current study. Emissions from business activities are generally classified as scope 1, 2 or 3 areas classified under the ISO 14064 standards.

#### **4.3 Carbon emission from electricity**

Direct emissions factors are widely published and show the amount of emissions produced by power stations in order to produce an average kilowatt-hour within that grid region

Unlike with other energy sources the carbon intensity of electricity varies greatly depending on how it is produced and transmitted. For most of us, the electricity we use comes from the grid and is produced from a wide variety of sources. Working out the carbon intensity of this mix is difficult.

Electricity used in the site is the significant contributors towards GHGs emission from the unit. Electricity used onsite is the most direct, and typically the most significant, a contributor to a unit's carbon footprint. Thus, using an average fuel mix of generating electricity, carbon dioxide intensity of electricity for national grid is assumed to be 0.9613 KgCO<sub>2</sub>/Kwh



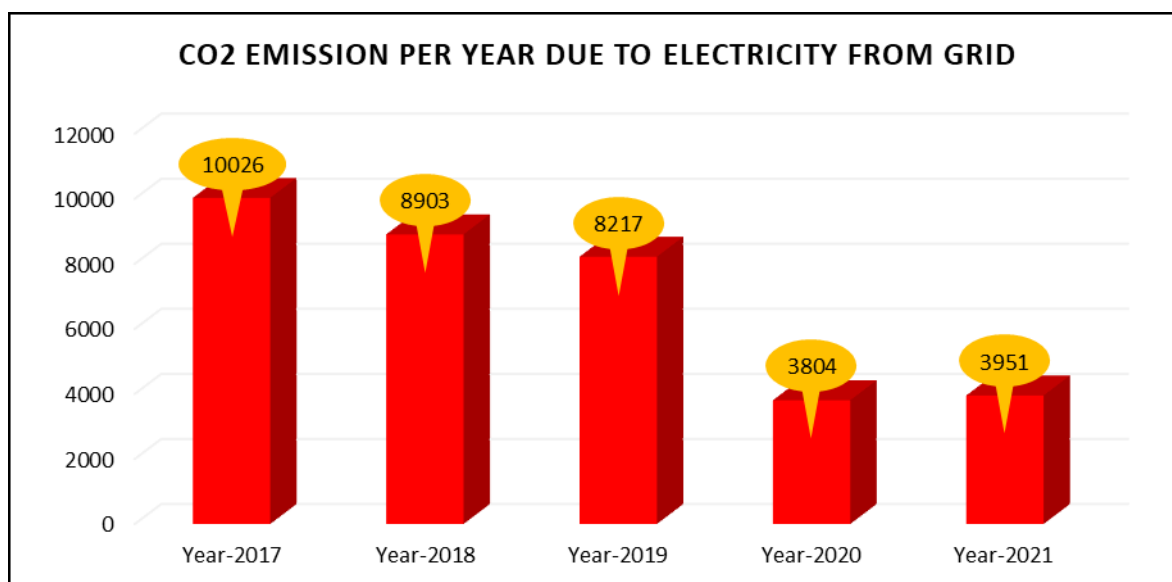
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(Reference: Central Electricity Authority (CEA) Baseline Carbon Dioxide Emission database [http://cea.nic.in/reports/others/thermal/tpece/cdm\\_co2/database\\_11.zip](http://cea.nic.in/reports/others/thermal/tpece/cdm_co2/database_11.zip)) Electricity Purchased from the grid

Table: - 4.1 Electricity Purchased from the grid and Emissions from the electricity Import

Sr. No	Parameter	Value	Unit	Emission Factor kg CO <sub>2</sub> e/kWh	Emission ton CO <sub>2</sub> e/year
1	Electricity-2017	1,04,29,975	kWh	0.9613	10,026
2	Electricity-2018	92,61,567	kWh	0.9613	8,903
3	Electricity-2019	85,47,344	kWh	0.9613	8,217
4	Electricity-2020	39,56,819	kWh	0.9613	3,804
5	Electricity-2021	41,09,600	kWh	0.9613	3,951





#### 4.4 Carbon emission from DG sets: -

University has 03 no DG sets installed, works during the grid power failure.

Table 4.5 :- Total diesel consumption in a year in the table

Sr. NO	Department Name	2017-18	2018-19	2019-20	2020-21
1	Botany Department	0	67	53	0
2	Teaching and Non-teaching Department	200	200	200	60
3	Dean Offices	0	0	0	0
4	Biochemistry	75	50	105	0
5	Instrumentation Department	237	156	300	187
6	Zoology Department	0	263	521	179
7	Dharohar Haryana Museum	254	330	154	0
8	Department of distance Education	339	465	515	23
9	Electronics Science Department	180	64	175	0
10	Admin Block	0	200	450	200
11	Institute of Integrated & Honours Studies	1000	800	1000	200
12	Institute of Teacher Training & Research	12	30	42	41
13	Jawaharlal Nehru library	1325	1780	1616	220
14	UGC Human Resources Development Centre	0	0	20	20
15	Department of Physical education	0	0	180	37
16	VC Office	475	930	634	575
17	International Rest house	250	724	897	23
18	VIP rest House	175	1059	759	0
19	VC. Camp office	100	510	598	115
20	Auditorium Hall / Exam-01	0	1682	2623	1259
21	Auditorium Hall	350	617	256	69
22	R.K Sadan	163	190	131	23
23	Community Centre	25	138	69	0
24	Dean Building	0	0	130	560
25	Construction Branch	0	165	138	69
26	Open Air Theatre	50	25	46	0
27	1857 Kranti Building	0	0	13	0
28	Sport Ground	50	50	71	0
29	Nanda ji Samrak	23	23	0	0
30	Tube Well-03	204	464	796	535
31	Tube Well-05	308	393	420	357
32	Tube Well-07	183	294	498	327

33	Main Disposal	251	516	292	129
34	STP Plant	4697	4403	6885	2650
35	UIT main Building	1400	1600	1000	200
36	UIT (Mechanical Building)	200	200	0	0
37	University Press	1390	1732	1200	0
	<b>Total</b>	<b>13916</b>	<b>20120</b>	<b>22787</b>	<b>8058</b>

Every liter of diesel fuel contains 10180 grams of pure carbon. On an average liquid hydrocarbon burning engine., it can be assumed that about 99 % of the fuel be Oxidized (It is assumed that somewhat less than 01 % will fail to fully oxidize and will be emitted as a particulate of unburned hydrocarbons instead of CO<sub>2</sub>).

#### Calculation of Total CO<sub>2</sub> =

❖ **CO<sub>2</sub> Emissions from a Litter of diesel: 2689.56 grams CO<sub>2</sub>/ litter.**

❖ Diesel consumption **Year 2017-18** = 13916 Litter

❖ 2689.56 X 13916 = 37428 Kg. Or 37.42 Ton /Year

❖ Diesel consumption **Year 2018-19** = 20120 Litter

❖ 2689.56 X 20120 = 54114 Kg. Or 54.114

❖ Diesel consumption **Year-2019-20** = 22787 Litter

❖ 2689.56 X 22787 = 61287 Or 61.287 Ton /Year

❖ Diesel consumption **Year-2020-21** = 8058 Litter

❖ 8058 x 2689 = 21668 Kg. or 21.66 Ton/year



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#### 4.5 Carbon Calculation by the trees in KUK :-

##### Biomass Calculation: -

1. Estimation of above ground biomass (AGB)

$$K = 34.4703 - 8.0671D + 0.6589 D^2$$

Where = K is above ground biomass.

D is Breast height diameter (cm)

- 1 Estimation of below ground biomass (BGB)

$$BGB = AGB \times 0.15$$

- 2 Total Biomass (TB)

$$TB = AGB + BGB$$

- 3 Calculation of carbon dioxide Weight sequestered in the tree in kg .

$$C = W \times 0.50$$

- 4 Calculate the weight of CO<sub>2</sub> Sequestered in the tree per year in kg.

$$CO_2 = C \times 3.666$$

##### Where: -

AGB = Above ground biomass.

D = Diameter of tree breast height.

BGB = Below Ground Biomass.

C = Carbon

TB = Total Biomass.



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Sr. no	Tree Name	Botanical or family Name	Average Daimeter cm (25 to 100 )	AGB	BGB	Total	Carbon Storage	Amount of CO <sub>2</sub> Sequestered	Total	Total Amount of CO <sub>2</sub> Sequestered	Annually CO <sub>2</sub> Sequestered amount (Ton/year)
1	Aadu	Prunus Persica	75	3248.258	487.24	3735.50	1867.75	6847.16	29	198567.77	2.71
2	Aalamkhor	NA	60	1994.490	299.17	2293.66	1146.83	4204.29	2	8408.57	0.11
3	Aljora	Corida myxa	50	1328.370	199.26	1527.63	763.81	2800.14	72	201609.90	2.75
4	Aketish	Acacia auriculiformis	50	1328.370	199.26	1527.63	763.81	2800.14	2	5600.28	0.08
5	Albeda	White acacia	40	798.030	119.70	917.73	458.87	1682.21	31	52148.43	0.71
6	Aljosh	Mimusops elengi	55	1644.458	246.67	1891.13	945.56	3466.43	21	72795.12	0.99
7	Almunda	Allamanda cathartica	40	798.030	119.70	917.73	458.87	1682.21	23	38690.77	0.53
8	Alstonia	Alostonia scholaris	65	2378.468	356.77	2735.24	1367.62	5013.69	237	1188244.66	16.21
9	Aalubukhara	Prunus Bokharensis	56	1711.748	256.76	1968.51	984.26	3608.28	60	216496.80	2.95
10	Amaltas	Cassia Fistula	75	3248.258	487.24	3735.50	1867.75	6847.16	396	2711477.10	36.98
11	Amrud	Psidium guajava	66	2459.336	368.90	2828.24	1414.12	5184.16	773	4007354.26	54.66
12	Anar	Punica protopunica	76	3342.704	501.41	3844.11	1922.06	7046.25	28	197295.10	2.69
13	Arokeriya	Areucaria Araucana	46	1099.940	164.99	1264.93	632.47	2318.62	71	164621.97	2.25
14	Anaspati	Pyrus communis	65	2378.468	356.77	2735.24	1367.62	5013.69	84	421150.01	5.74
	Andar	Acacia nilotica	65	2378.468	356.77	2735.24	1367.62	5013.69	4	20054.76	0.27
16	Aawla	Phyllanthus emblica	46	1099.940	164.99	1264.93	632.47	2318.62	281	651532.04	8.89
17	Arjun	Terminalia arjuna	74	3155.168	473.28	3628.44	1814.22	6650.94	876	5826221.01	79.46
18	Ashoka	Saraca asoca	75	3248.258	487.24	3735.50	1867.75	6847.16	760	5203844.94	70.97
19	Babul	Vachellia nilotica	64	2298.956	344.84	2643.80	1321.90	4846.09	2	9692.17	0.13



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20	Badh	Ficus benghalensis	67	2541.563	381.23	2922.80	1461.40	5357.49	48	257159.42	3.51
21	Baiken	Aesculus indica	65	2378.468	356.77	2735.24	1367.62	5013.69	37	185506.55	2.53
22	Balam Kheera	Kigelia pinnata	70	2796.390	419.46	3215.85	1607.92	5894.65	41	241680.66	3.30
23	Beery	Arbutus unedo	65	2378.468	356.77	2735.24	1367.62	5013.69	44	220602.38	3.01
24	Balpathar	Couroupita Guianensis	65	2378.468	356.77	2735.24	1367.62	5013.69	72	360985.72	4.92
25	Baidal	Aegle marmelos	54	1578.524	236.78	1815.30	907.65	3327.45	4	13309.80	0.18
26	Bottal	Brachychiton Rupestris	54	1578.524	236.78	1815.30	907.65	3327.45	70	232921.54	3.18
27	Bottal Palm	Hyophorbe lagennicaulis	56	1711.748	256.76	1968.51	984.26	3608.28	534	1926821.54	26.28
28	Bugan Belliya	Bougainvillea	53	1513.949	227.09	1741.04	870.52	3191.33	73	232967.02	3.18
29	Canal	Picea abies	45	1046.228	156.93	1203.16	601.58	2205.40	46	101448.18	1.38
30	Coppar	Peltophorum Pterocarpum	76	3342.704	501.41	3844.11	1922.06	7046.25	34	239572.63	3.27
31	Catchkana	Casuarnia	76	3342.704	501.41	3844.11	1922.06	7046.25	1	7046.25	0.10
32	Celendara	Calendula	60	1994.490	299.17	2293.66	1146.83	4204.29	14	58859.99	0.80
33	Chakotra	Citrus Maxima merr.	56	1711.748	256.76	1968.51	984.26	3608.28	9	32474.52	0.44
34	Chameli	Indian Cork tree	65	2378.468	356.77	2735.24	1367.62	5013.69	12	60164.29	0.82
35	Chandani	Tabernaemontana divaricata	65	2378.468	356.77	2735.24	1367.62	5013.69	586	2938022.67	40.07
36	Chid	Pinus Roxburghil	54	1578.524	236.78	1815.30	907.65	3327.45	52	173027.43	2.36
37	Chiku	Manilkara Zapota	75	3248.258	487.24	3735.50	1867.75	6847.16	30	205414.93	2.80
38	Chilka	Terminalia bellirica	45	1046.228	156.93	1203.16	601.58	2205.40	5	11026.98	0.15
39	Chilta Kela	NA	46	1099.940	164.99	1264.93	632.47	2318.62	2	4637.24	0.06



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40	Coppar Bottal bush	Callistemon Spp.	65	2378.468	356.77	2735.24	1367.62	5013.69	238	1193258.35	16.27
41	Coppar Tapari	Acalypha Wilkesiana	45	1046.228	156.93	1203.16	601.58	2205.40	161	355068.64	4.84
42	Cristal Palm	Arecaceae	65	2378.468	356.77	2735.24	1367.62	5013.69	18	90246.43	1.23
43	Croten	Codiaeum variegatum	64	2298.956	344.84	2643.80	1321.90	4846.09	24	116306.04	1.59
44	Crycus Palm	Cycas revoluta	45	1046.228	156.93	1203.16	601.58	2205.40	2	4410.79	0.06
45	Daik	Neolamarckia Cadamba	55	1644.458	246.67	1891.13	945.56	3466.43	183	634357.46	8.65
46	Dhori	Bauhinia Variegata	40	798.030	119.70	917.73	458.87	1682.21	14	23550.90	0.32
47	Double Stonia	Alstonia Scholaris	56	1711.748	256.76	1968.51	984.26	3608.28	10	36082.80	0.49
48	Firojiya	Ficus racemosa	40	798.030	119.70	917.73	458.87	1682.21	10	16822.07	0.23
49	Faix	Ficus Carica	86	4361.852	654.28	5016.13	2508.07	9194.57	2181	20053350.12	273.50
50	Faix Gudhal	Hibiscus	76	3342.704	501.41	3844.11	1922.06	7046.25	24	169110.09	2.31
51	Falberiyas	Albizia	76	3342.704	501.41	3844.11	1922.06	7046.25	2	14092.51	0.19
52	Ficus	Ficus benjamina	65	2378.468	356.77	2735.24	1367.62	5013.69	42	210575.00	2.87
53	Fish Palm	Caryota urens	45	1046.228	156.93	1203.16	601.58	2205.40	119	262442.04	3.58
54	Gaab	Diospyros malabarica	86	4361.852	654.28	5016.13	2508.07	9194.57	4	36778.27	0.50
55	Galgal	Citrus Pseudoloimon tanaka	76	3342.704	501.41	3844.11	1922.06	7046.25	2	14092.51	0.19
56	Gada	Asteraceae	76	3342.704	501.41	3844.11	1922.06	7046.25	7	49323.78	0.67
57	Gulmohar	Delonix regia	57	1780.397	267.06	2047.46	1023.73	3752.99	21	78812.75	1.07
58	Golden Bottal	Melaleuca bracteata	75	3248.258	487.24	3735.50	1867.75	6847.16	49	335511.06	4.58



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59	Golden Tapari	NA	76	3342.704	501.41	3844.11	1922.06	7046.25	49	345266.43	4.71
60	Gudhal	Hibiscus	56	1711.748	256.76	1968.51	984.26	3608.28	1648	5946445.51	81.10
61	Gulab	Rose	65	2378.468	356.77	2735.24	1367.62	5013.69	849	4256623.29	58.06
62	Gulachin Champa	Plumeria	65	2378.468	356.77	2735.24	1367.62	5013.69	79	396081.55	5.40
63	Gulmor	Delonix regia	45	1046.228	156.93	1203.16	601.58	2205.40	65	143350.69	1.96
64	Gular	Cluster fig	45	1046.228	156.93	1203.16	601.58	2205.40	34	74983.44	1.02
65	Aarika Palm	Areca palm	75	3248.258	487.24	3735.50	1867.75	6847.16	56	383441.21	5.23
66	Harsingar	Nyctanthes arbor - Tristis	45	1046.228	156.93	1203.16	601.58	2205.40	35	77188.83	1.05
67	Himalya Potensa	NA	65	2378.468	356.77	2735.24	1367.62	5013.69	11	55150.60	0.75
68	Imli	Tamarind	65	2378.468	356.77	2735.24	1367.62	5013.69	6	30082.14	0.41
69	Jamoya	Syzygium Jambos	46	1099.940	164.99	1264.93	632.47	2318.62	2990	6932671.90	94.55
70	Jamun	Syzygium Cumini	60	1994.490	299.17	2293.66	1146.83	4204.29	509	2139981.16	29.19
71	Jangal Jalebi	Madras Thorn	59	1921.768	288.27	2210.03	1105.02	4050.99	33	133682.69	1.82
72	Kadam	Burflower Tree	45	1046.228	156.93	1203.16	601.58	2205.40	736	1623170.91	22.14
73	Kachnar	Bauhinia variegata	67	2541.563	381.23	2922.80	1461.40	5357.49	32	171439.61	2.34
74	Kadam Champa	Burflower Tree	75	3248.258	487.24	3735.50	1867.75	6847.16	5	34235.82	0.47
75	Kaichakana	Senegalia catechu	80	3734.070	560.11	4294.18	2147.09	7871.23	13	102326.03	1.40
76	Kaichurana	Zedoary	65	2378.468	356.77	2735.24	1367.62	5013.69	15	75205.36	1.03
77	Kadipatta	Murraya Koenigii	57	1780.397	267.06	2047.46	1023.73	3752.99	60	225179.28	3.07
78	Kanak Champa	Pterospermum acerifolium	75	3248.258	487.24	3735.50	1867.75	6847.16	33	225956.43	3.08
79	Kanghi Palm	Cycas revoluta	56	1711.748	256.76	1968.51	984.26	3608.28	27	97423.56	1.33



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80	Kapur	Cinnamomum camphora	75	3248.258	487.24	3735.50	1867.75	6847.16	20	136943.29	1.87
81	Kathal	Jackfruit	75	3248.258	487.24	3735.50	1867.75	6847.16	39	267039.41	3.64
82	Karmda	Carissa carandas	65	2378.468	356.77	2735.24	1367.62	5013.69	15	75205.36	1.03
83	Karojiya	NA	60	1994.490	299.17	2293.66	1146.83	4204.29	7	29430.00	0.40
84	Krotan	Croton Californicus	45	1046.228	156.93	1203.16	601.58	2205.40	5	11026.98	0.15
85	Kasoda	Senna Siamea	54	1578.524	236.78	1815.30	907.65	3327.45	8	26619.60	0.36
86	Khirni	Manilkara hexandra	76	3342.704	501.41	3844.11	1922.06	7046.25	32	225480.12	3.08
87	Kesiya	Pinus Kesiya	67	2541.563	381.23	2922.80	1461.40	5357.49	32	171439.61	2.34
88	Kela Palm	Borassus	76	3342.704	501.41	3844.11	1922.06	7046.25	12	84555.04	1.15
89	Kaitheriya Champa	Magnolia Name	76	3342.704	501.41	3844.11	1922.06	7046.25	1	7046.25	0.10
90	Kikar	Gum Arabic Tree	60	1994.490	299.17	2293.66	1146.83	4204.29	246	1034254.16	14.11
91	Kinu	Citrus Nobilis X Citrus Deliciosa	87	4471.235	670.69	5141.92	2570.96	9425.14	13	122526.82	1.67
92	Kipar Tapari	NA	76	3342.704	501.41	3844.11	1922.06	7046.25	9	63416.28	0.86
93	Kamal	Nelumbo Nucifera	86	4361.852	654.28	5016.13	2508.07	9194.57	30	275837.00	3.76
94	Kesar	Autumn Crocus	67	2541.563	381.23	2922.80	1461.40	5357.49	1	5357.49	0.07
95	Kusum	Carthamus tinctorius	76	3342.704	501.41	3844.11	1922.06	7046.25	102	718717.88	9.80
96	Karojiya	NA	86	4361.852	654.28	5016.13	2508.07	9194.57	7	64361.97	0.88
97	Kund	Jasminum multiflorum	60	1994.490	299.17	2293.66	1146.83	4204.29	73	306912.82	4.19
98	Laila Majnu	Excoearia Bicolor	80	3734.070	560.11	4294.18	2147.09	7871.23	15	118068.49	1.61
99	Lajastonia	Alstonia	87	4471.235	670.69	5141.92	2570.96	9425.14	146	1376070.44	18.77
100	Loquat	Eriobotrya Japonica	76	3342.704	501.41	3844.11	1922.06	7046.25	74	521422.78	7.11





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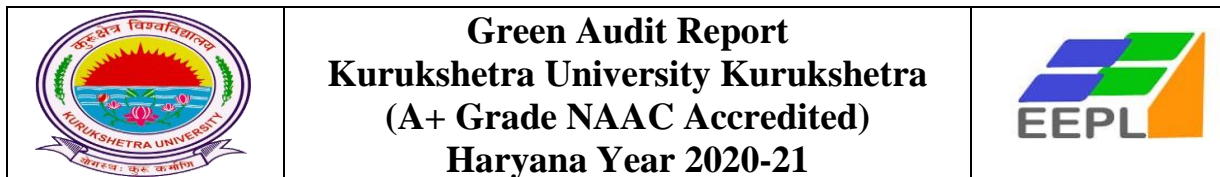
101	Liechi	Litchi Chinensis	56	1711.748	256.76	1968.51	984.26	3608.28	43	155156.04	2.12
102	Lasoda	Cordia dichotoma	76	3342.704	501.41	3844.11	1922.06	7046.25	18	126832.57	1.73
103	Motia	Arabian Jasmine	80	3734.070	560.11	4294.18	2147.09	7871.23	22	173167.12	2.36
104	Mahua	Madhuca iongifolia	76	3342.704	501.41	3844.11	1922.06	7046.25	14	98647.55	1.35
105	Mehndi	Lawsonia inermis	56	1711.748	256.76	1968.51	984.26	3608.28	9	32474.52	0.44
106	Moninda	Moringa oleifera	74	3155.168	473.28	3628.44	1814.22	6650.94	5	33254.69	0.45
107	Mango	Mangifera indica	67	2541.563	381.23	2922.80	1461.40	5357.49	1697	9091657.03	124.00
108	Morpankhi	Oriental Arbor-Vitae	65	2378.468	356.77	2735.24	1367.62	5013.69	419	2100736.35	28.65
109	Morsari	mimusops elengi	68	2625.148	393.77	3018.92	1509.46	5533.68	782	4327337.67	59.02
110	Mosambi	Citrus limetta	70	2796.390	419.46	3215.85	1607.92	5894.65	31	182734.16	2.49
111	Narangi	Citrus - X Sinensis	67	2541.563	381.23	2922.80	1461.40	5357.49	16	85719.81	1.17
112	Nasoda	Cordia dichotoma	80	3734.070	560.11	4294.18	2147.09	7871.23	24	188909.59	2.58
113	Neem	Azadirachta indica	70	2796.390	419.46	3215.85	1607.92	5894.65	1175	6926214.10	94.47
114	Nimbu	Citrus limon	76	3342.704	501.41	3844.11	1922.06	7046.25	259	1824979.72	24.89
115	Peplar	Piper nigrum	80	3734.070	560.11	4294.18	2147.09	7871.23	78	613956.16	8.37
116	Palm	Borassus	65	2378.468	356.77	2735.24	1367.62	5013.69	25	125342.26	1.71
117	Papdi	Dolichos sites	65	2378.468	356.77	2735.24	1367.62	5013.69	224	1123066.69	15.32
118	Pirawan	Portulaca oleracea	54	1578.524	236.78	1815.30	907.65	3327.45	1	3327.45	0.05
119	Pilkhan	Ficus Virens	80	3734.070	560.11	4294.18	2147.09	7871.23	16	125939.73	1.72
120	Papita	Carica papaya	77	3438.509	515.78	3954.29	1977.14	7248.21	37	268183.59	3.66
121	Peepal	Ficus religiosa	67	2541.563	381.23	2922.80	1461.40	5357.49	139	744690.82	10.16
122	Rubber Plant	Ficus Elastica	67	2541.563	381.23	2922.80	1461.40	5357.49	7	37502.42	0.51
123	Retha	Sapindus Mukorossi	87	4471.235	670.69	5141.92	2570.96	9425.14	18	169652.52	2.31



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124	Ratrani	Cestrum Nocturnum	76	3342.704	501.41	3844.11	1922.06	7046.25	12	84555.04	1.15
125	Rudraksh	Eleoecarpus angustifolius	67	2541.563	381.23	2922.80	1461.40	5357.49	7	37502.42	0.51
126	Rose	Rosa	67	2541.563	381.23	2922.80	1461.40	5357.49	258	1382231.89	18.85
127	Sagwan	Tectona Grandis	60	1994.490	299.17	2293.66	1146.83	4204.29	381	1601832.66	21.85
128	Safeda	Manilkara Zapota	35	583.778	87.57	671.34	335.67	1230.57	2812	3460373.47	47.20
129	Sahtut	Morus alba	87	4471.235	670.69	5141.92	2570.96	9425.14	278	2620188.93	35.74
130	Sycus Palm	Cycas revoluta	87	4471.235	670.69	5141.92	2570.96	9425.14	12	113101.68	1.54
131	Sapora	Sapodilla	60	1994.490	299.17	2293.66	1146.83	4204.29	5	21021.43	0.29
132	Simble	Murraya Koenigii	60	1994.490	299.17	2293.66	1146.83	4204.29	43	180784.26	2.47
133	Sarav	Solanum Torvum	75	3248.258	487.24	3735.50	1867.75	6847.16	10	68471.64	0.93
134	Saru	Casuarina Equisetifolia	76	3342.704	501.41	3844.11	1922.06	7046.25	2	14092.51	0.19
135	Singhal	NA	56	1711.748	256.76	1968.51	984.26	3608.28	2	7216.56	0.10
136	Sayosh	Catharanthus	50	1328.370	199.26	1527.63	763.81	2800.14	7	19600.96	0.27
137	Silver Oak	terminalia serices	45	1046.228	156.93	1203.16	601.58	2205.40	1535	3385281.72	46.17
138	Simlata	Sarcostemma acidumwight	65	2378.468	356.77	2735.24	1367.62	5013.69	32	160438.10	2.19
139	Siras	Albizia lebbeck	70	2796.390	419.46	3215.85	1607.92	5894.65	172	1013879.85	13.83
140	Sisam	Dalbergia sissoo	70	2796.390	419.46	3215.85	1607.92	5894.65	999	5888755.65	80.32
141	Sitashok	saraca asoca	67	2541.563	381.23	2922.80	1461.40	5357.49	8	42859.90	0.58
142	Sujana	Thunbergia alata	76	3342.704	501.41	3844.11	1922.06	7046.25	35	246618.88	3.36
143	Table Palm	Livistona rotundifolia	70	2796.390	419.46	3215.85	1607.92	5894.65	75	442098.77	6.03
144	Takoma	Trumpetbushes	56	1711.748	256.76	1968.51	984.26	3608.28	134	483509.53	6.59
145	Uniparas	Petunia	65	2378.468	356.77	2735.24	1367.62	5013.69	766	3840486.97	52.38



146	Tapari	Physalis angulata	54	1578.524	236.78	1815.30	907.65	3327.45	38	126443.12	1.72
Total CO <sub>2</sub> Emission neutralize by the trees										1845.42	

University has **29, 431 trees** in the campus. This is good initiative taken by management for green campus under the campaign of plantation. **It's APPRECIABLE.**

There is total CO<sub>2</sub> sequestered **1845420 Kg /year or 1845.42 Tons /Year**. There is requirement of more plantations to reduce carbon emission share by University.

#### 4.6 Total CO<sub>2</sub> Calculation in KUK: -

CO<sub>2</sub> Emission by Electricity in Year-2020-21: - 3951 Ton/year

CO<sub>2</sub> Emission by DG Sets 2020-21: - 21.66 Ton/year

Total CO<sub>2</sub> Emission (Electricity and DG sets) = 3951 + 21.66 = 3972.66 Ton/year

CO<sub>2</sub> Emission Neutralize by the Solar 2020-21: -

July-2020 to Jun -2021 = 2088440 Kwh

= 2088220 X 0.9613 = 2007.61 Ton/year

CO<sub>2</sub> Emission Neutralize by the Trees 2020-21: - 1845.42 Ton/year (**29431 no. Tree**)

Total CO<sub>2</sub> Neutralize by (Solar system + Trees) 2007.61 + 1845.42 = 3853 Ton/Year

**Total CO<sub>2</sub> Emission by KUK: - 3972.66 – 3853 = 119.66 Ton/Year**

#### 4.7 Other Emissions Excluded

Above CO<sub>2</sub> Calculation based on electricity, Solar, DG sets and Tree only. This study did not evaluate the carbon sequestration potential of existing emission from the staff commuting, food supply, official flights, paper products, water supply, and waste disposal and recycling due to limited data availability. The current study identifies areas where data monitoring, recording and archiving need to be developed for enlarging the scope of mapping of GHGs emission in the future years. Accordingly, a set of tools and record keeping procedure will be developed for improving the quality of data collection for the next year carbon footprint studies.



## **CHAPTER- 5**

### **RECOMMENDATIONS AND SUGGESTIONS**

#### **5.1 QR Code System on Plants :**

While the world seems to be going digital, people lack the time to read books and proakss the information they contain. Hence, University can be provided QR codes on the trees for its information and to exploit the rapidly growing platform for a unique purpose.

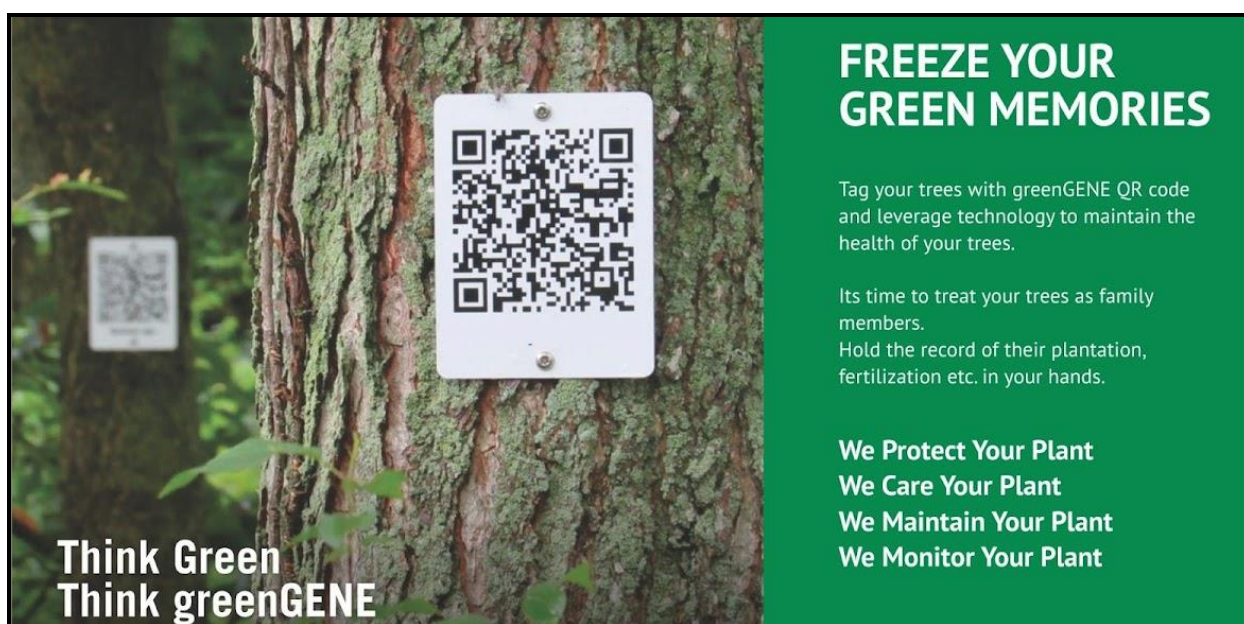


Fig: 6.1 QR Code System for plants

These codes can give students all the information they need to know about the tree - from its scientific name to its medicinal value. They only need to put their smart phones to use. QR codes to them, making it easier for everybody to learn about a plant or a tree at the tip of their fingers,” If any app generating a QR code, which is available for free on the online stores, can be used to avail the information of the trees.

#### **Eco-restoration programmes**

- Frame long-term eco-restoration programmes for replacing exotic Acacia plantations with indigenous trees and need of the hour is to frame a holistic campus development plan.



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## 5.2 Other Suggestions

Some very important suggestions are: -

- ✚ It is proposed to adopt Environmentally responsible purchasing policy, and work towards creating and implementing a strategy to reduce the environmental impact of its purchasing decisions.
- ✚ Increase recycling education on campus.
- ✚ Increase Awareness of Environmentally Sustainable Development in University campus.
- ✚ Practice Institutional Ecology- Set an example of environmental responsibility by establishing institutional ecology policies and practices of resource conservation, recycling, waste reduction, and environmentally sound operations.
- ✚ Involve All Stakeholders- Encourage involvement of government, foundations, and industry in supporting interdisciplinary research, education, policy formation, and information exchange in environmentally sustainable development.
- ✚ Collaborate for Interdisciplinary Approaches- To develop interdisciplinary approaches for curricula, research initiatives, operations, and outreach activities that support an environmentally sustainable future.
- ✚ Increase Reduce, Reuse, and Recycle education on campus.
- ✚ Develop a butterfly garden that arouses appreciation towards flora and fauna diversity.
- ✚ Name all the trees and plants (Plant DNA barcodes) with its common name and scientific name.
- ✚ Arrange training programmes on environmental management system and nature conservation.
- ✚ Renovation of cooking system in the canteen to save gas by installation of solar water heater system with heat pump.
- ✚ Establish a procurement policy that is energy saving and eco-friendly.



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**END OF THE REPORT**

**THANKS**