7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit
- 2. Energy audit
- 3. Clean and green campus initiatives
- 4. Beyond the campus environmental promotion activities

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Kohinoor Arts, Communco Science College To,Kheitabed, Dist, Adrarkjabad

ISO 14001:2015 Certificate Of Registration

Geotek Global Certification Pvt. Ltd,

hereby certify that the organization



Kohinoor Shikshan Sanstha, Aurangabad Kohinoor Arts, Commerce & Science College, Khultabad

Address : Taluka Khultabad, District Aurangabad 431101, Maharashtra, India

has implemented and maintains an Environmental Management System for

Scope :

To Evolve and Impart Comprehensive Higher Education to the Students of Graduation, Post-Graduation, Doctoral, Vocational Courses & Certificate Courses in Arts, Commerce and Science.

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard Certificate No. Certification Date Cert. Expiry Date

: ISO 14001:2015 : 22.GGCS.IN.140215 : 27th February 2023 : 26th February 2026

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Kohinoor Arts Commerce & Science College, Khultabad Aurangabad

ISO 50001:2018 Certificate Of Registration

Geotek Global Certification Pvt. Ltderennuk

hereby certify that the organization

Kohinoor Shikshan Sanstha, Aurangabad Kohinoor Arts, Commerce & Science College, Khultabad

Address : Taluka Khultabad, District Aurangabad 431101, Maharashtra, India

has implemented and maintains an Energy Management System for

Scope:

To Evolve and Impart Comprehensive Higher Education to the Students of Graduation, Post-Graduation, Doctoral, Vocational Courses & Certificate Courses in Arts, Commerce and Science.

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard : Certificate No. : Certification Date : Cert. Expiry Date :

: ISO 50001:2018 : 22.GGCS.IN.500149 : 27th February 2023 : 26th February 2026



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Green Education Campus Certification

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Kohinoor Shikshan Sanstha, Aurangabad Kohinoor Arts, Commerce & Science College, Khultabad

Address : Taluka Khultabad, District Aurangabad 431101, Maharashtra, India

has implemented and maintains a Green Education Campus for

Scope :

To Evolve and Impart Comprehensive Higher Education to the Students of Graduation, Post-Graduation, Doctoral, Vocational Courses & Certificate Courses in Arts, Commerce and Science.

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Scheme: Green Education CampusCertificate No.: 22.GGCS.IN.GEC022886Certification Date : 27th February 2023Cert. Expiry Date: 26th February 2026

Chief Executive Officer Geotek Global Certification Pvt. Ltd. 102, Raj Legacy, Near Bramhand Phase 5, Off. GB Road, Thane (West), Pin 400607, Maharashtra, India



Geotek Global Certification Pvt. Ltd.

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ISO 21001:2018 Certificate Of Registration

Geotek Global Certification Pvt. Ltd

hereby certify that the organization

Kohinoor Shikshan Sanstha, Aurangabad Kohinoor Arts, Commerce & Science College, Khultabad

Address : Taluka Khultabad, District Aurangabad 431101, Maharashtra, India

has implemented and maintains an Educational Organizations Management System for

Scope:

To Evolve and Impart Comprehensive Higher Education to the Students of Graduation, Post-Graduation, Doctoral, Vocational Courses & Certificate Courses in Arts, Commerce and Science.

An audit was performed and proof has been furnished that the management system fulfils the requirements of international standard detailed below ...

Standard Certificate No. Certification Date Cert. Expiry Date

: ISO 21001:2018 : 22.GGCS.IN.211321 : 27th February 2023 : 26th February 2026



Reg. No. IN.EOMS.0514

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Chief Executive Officer Geotek Global Certification Pvt. Ltd. 102, Raj Legacy, Near Bramhand Phase 5, Off. GB Road, Thane (West), Pin 400607, Maharashtra, India



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Kohinoor Arts, Commerce and Science College Khultabad, Dist. Aurangabad-431101.

Affiliated to

Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

ENVIRONMENT &GREENAUDIT REPORT

(2021-2022)





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	and the second statement of the
2	
E-Waste Generation	
a) Observations	
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Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the green campus for the institute which will lead for sustainable development. Kohinoor Arts, Commerce and Science College is deeply concerned an dun conditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. Being a premier institution of higher studies at taluka place, the college has initiated 'The Green Campus' programme few years back that actively promote the various projects for the environment protection and sustainability. The purpose of this audit was to ensure that the practices followed in the campuses are eco friendly and sustainable, it works on several facets of Green Campus in including water conservation, electricity conservation, tree plantation, waste management, this in mind. With paperless work. mapping of biodiversity. thespecificobjectivesoftheauditaretoevaluatetheadequacyofthemanagementcontrolframew orkofenvironmentsustainabilityaswellasthedegreetowhichtheinstituteisincompliance with the applicable regulations, policies and standards. It can make a tremendous impact on students' health and learning, college operational costs and the environment. The criteria, methods and recommendations used in the audit were based on the identified risks.

3

Acknowledgement

The green audit conducted by the Kohinoor Arts, Commerce and Science College, Khultabad is an internal audit that aims towards looking after a healthy environment. Though nascent, the initiative is taken up to foster the concept of environmental sustainability. Sincere thanks to all for providing us necessary amenities and co-operation during the audit that helped in making the audit, a success.



Commu

The Audit Team

Sr.No.	Name	Positions	
6	Dr.Ishwar B.Ghorude	Chairman	
2	Mr. Mohamadhanif	Member	
3	Dr. ShaikhArifYasin	Member	
4	Dr.T.D.Pathan	Member	
5	Dr.SushmaSurve	Member	
6	Dr. B.U Patil	Member	

P Kohindor Arts, Contribute Foltade College Tq.Khtiltabad, Dist. Adrangabad

1. Introduction



Green Audit can be defined as a management tool comprising as systematic, documented, periodic and objective evaluation of how well environmental organization management and equipment are performing with the aim of safe guarding the environment and natural resources in its operations/projects.

5

The 'Green Audit' aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. It was initiatedwiththemotiveofinspectingtheworkconductedwithintheorganizationswhose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

1.1Aboutthecollege

Kohinoor education society was established in year 1992 by anemone educationist and politician late. Mr. Idris Khan, he was one of the few politicians who was highly educated and eager to devote his most of the time in the field of education and social works.

Mr. Idrish Khan was born on 9th Feb 1954. He completed his education up to B.A., LLB (general). He was a member of the Indian National Congress party from very beginning with full oyalty and faithfulness to the party even in the Janata Party regime. He worked as leader of Youth Congress and conducted the 'JAIL BHARO ANDOLAN 'in 1978. For this act he hadunderg one rigorous imprisonment. The Indian National Congress Party was well aware about this caliber, potential, loyalty and faithfulness. He was appointed as joint secretary Aurangabad city district Congress committee and member of Central railway board, Government of India in the year 1994. The AICC president Smt. Sonia Gandhi had appointed him as executive memberofMaharashtraPradeshCongresscommittee.HewaselectedunopposedpresidentofAu



rangabad city district Congress committee on 4th November 2000. He held that office up to 5November2003and left no stone unturned while performing that job.

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The foundation of Kohinoor College of arts in 2000 was nothing but her Zealous attempt toprovidelightofknowledgetothosewhohadbeensufferinginthedarknessofignorance. The

PRINTIPAL Kolvinger Arts, Commerca Science College Tq.Khullabad, Dist. Aurangabad

unfortunate incident took place that was the sad demise of Idris Khan on 26th August 2005 when the college was at the crucial stage. The task was incomplete and the society desperately needed someone to complete it. Everybody desire Dr. Mazhar Khan to take responsibility.

7

At the age of 25 years Hon'ble Dr. Mazhar Khan was unanimously elected as the secretary of Kohinoor Education Society in 2007. He has successfully handled the responsibility and within month so fhish folding office, the institute got minority recognition by Maharashtra government.

Hon'ble Dr. Mazhar Khan attempts brought permission of science and commerce faculty in2008, Hon'ble Dr. Mazhar Khan purchased the land in 2009 for rich infrastructural facilities and the potential for further growth. The standalone building was constructed in 2010 which is wellequippedandwellfurnished. Thebuilding is competentenoughtoprovidealInecessitieslike rich library, highly configured computer lab, well equipped science laboratories, conference hall and auditorium.

Hon'bleDr. Mazhar Khan has carried forward the mission of Late Idris Khan and to enrich them out intellectually and economically.

Kohinoor Arts, Community Science College Tg.Khultabad, Dist. Adrangabad

2. Objectives of the study

- More efficient source management
- To provide basis for improved sustainability

8

- To create green campus
- Toenablewastemanagementthroughreductionofwastegenerati on,solid-waste and water recycling
- Recognize the cost saving methods through waste minimizing and managing
- Point out the prevailing and forth coming complications.
- Impart environmental education through systematic environmentalmanagementapproachandBenchmarkingforenviro nmentalprotection
- Financial savings through are ductioninre source use
- · Enhancement of college profile

3. Methodology

The methodology adopted to conduct the Green Audit of the Institution had the following components.

Onsite Visit

The Green Audit Assessment Team started the audit at the Institution on 1-1-2020which extended for about 3 days. Greenhouse gas emissions and carbon foot print reduction through adoption of green energy and energyefficient measures were assessed. The key focus was on assessing the status of the green cover, floral and faunal biodiversity of the Institution.



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Focus Group Discussion

The Focus Group included the NSS members, staff members and management people. The discussion was focused on identifying the attitudes and awareness towards environmental issues at the institutional level. The discussion revolved around three key questions: Do the members of the group consider themselves co-conscious? Do they consider the Institution to be eco-friendly? What do they think are the issues that need to be given top priority?

9

Office/Building Survey

Information on office-based environmental impacts like built-up area, utility bills, energy-saving devices and IT equipments was collected. This information was a ddedt of the carbon foot print data, generating fairly clearer picture of the Institution'sannualgreenhousegasemissionsandimpactofthereductionmeasu resundertaken.

Thestudycoveredthefollowingareastosummarisethepresentstatusofenviron mentmanagement in the campus:

- Water management
- Energy Conservation
- Waste management
- E-waste management
- Green are a management

4. Observations and Recommendations

Water Use

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This indicates or addresses water consumption, water sources, irrigation, appliances and fixtures. A water audit is an on-site survey and assessment to determine the water

Kohinoor Arts, Commerce Celance College Talkheitsbeid, Dist Adrangabad

Use and hence improving the efficiency of its use. Drinking water is purchased by water supplier.

a) Observations

The study observed that boar wells are the major sources of water. Water is used for, canteen, toilets, laboratory and gardening. During the survey, no loss of water is observed, neither by any leakages, nor by overflow of water from over head tanks. The data collected from all the departments' is examined and verified. On an average the total use of water in the college is 3200 L/day, which include 700 L/day for domestic purposes, 2200 L/day for gardening and 300L/day for different laboratories.

Rain water harvesting is adopted by the institute and rooftop water is collected in a soak pit for percolation in the ground. Gardens are watered by using drip irrigation system to save water. This is one of the unique steps towards greening practices.

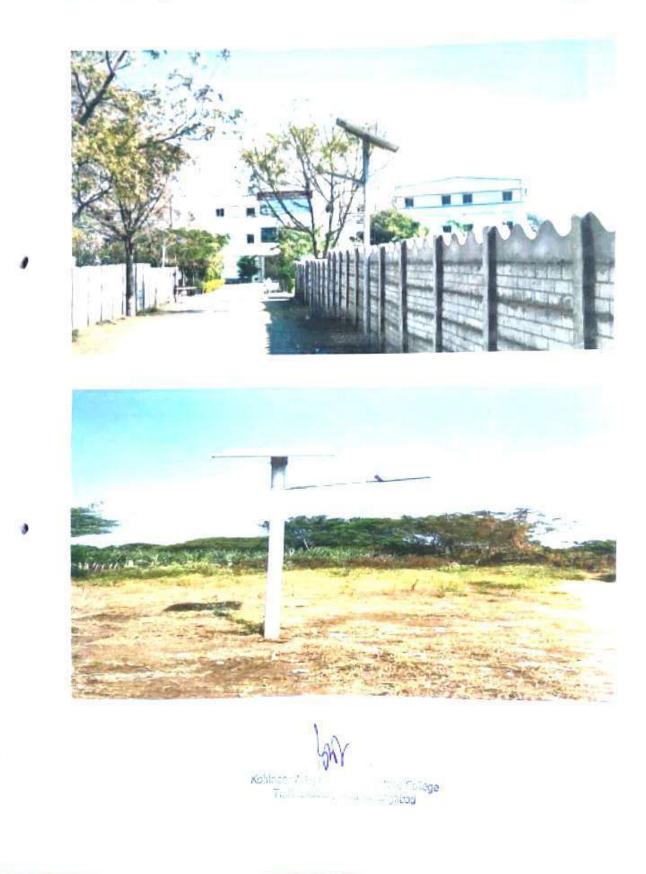
b) Recommendations

- Need of monitoring, controlling overflow is essential and periodically supervision drills should be arranged. In campus small scale/medium scale/large scalier use and recycle of water system is necessary.
- Need of adopting artificial recharge techniques in order to deal with waters scarcity.
- Drinking water should be made available after purification.
- Ensure that all cleaning products used by college staff have a minimal detrimental impact on the environment, i.e. are biodegradable and non-toxic, even where this exceeds the Control of Substances Hazardous to Health (COSHH)

Kohlnoor Arts, Collin Trail Prine College Tq.Khalazadi, D.a., Avrangabad



Solar Street Lights







44 Tax Involce ECO POWER SOLUTIONS(2020-21) 108 MALGE MALESTIC PLOT NO DO, SUTGIRNI MARG, GAIOHEDA PARISAN, AURANGABAO GSTINUUN 27AAF PE3088712# State Name : Maharashta, Code : 27 E-Mail: Mo epsindia@gmail.com The Parent Schuleren Dated Invoice No 13-Mar-2021 Mode/Terms of Payment 113 Dalwary Note Other Reference(s) Supplier's Ref. 113 Dated Buyer's Order No Customer The Principal Kohinoor College Kohinoor Ans, Commerce & Science College Khultabad Delivery Note Clate Deeparich Document No Maharashtra, Code 27 Destination Despatched through State Name Terms of Delivery. Buyer (if other than consignee) The Principal Kohlnoor College Kolynoer Ada, Commerce & Science College Khullabad Maharashtra, Code : 27 State Name Mahavashtra Place of Supply Mahavashtra

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1	INVERTOR	8504	1.000 NOS	95 000 00	NOS	95,000.00
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4	SUPLY OF ID KIRY HOUR SOLAR	99e (Proposition and the	100		5,500.00
э	MS ANGLE 50°50°54M	7210	100.000 Kg	55.00	F.Q.	5,000.00
4	MS PIPE	7306	125.000 Kg	00 00	×g	7,500.00
6	SOTSOTS MIV	0544	70.00 MTR	125.00	MTH	8,750.00
	4 CORE 10 SOMM AC POWER CABLE	100514	110 20000	42.00	LITE	4,200.00
6	DC COPPER CABLE 4 SOMM DC CC WRE	8544	100 QO MTH	42.00	14111	4,200.00
7	AC DB & DC DB	6/538	2.000 NOS	7.500.00		15,000.00
8	MCB	#530	1.000 1405	1.200.00	14229	1,200 00
	DC MCCB 16 AMP	8530	2,000 NOS	750 00		1,500.00
	COPPER EARTHING WIRE	0544	132.00 MTR	35 25	MIR	4,230.00
	GJ EARTHING PIPE	7.397	3.000 NOS	750 00		2,250.00
	NUTS BITS CLAMPS, CONNECTORS & CONCRE	TE 6530	1 LOT			5,000.00
	LED STREET LIGHT	85-61	4.000 NOS	12,600,00	NO6	50,000.00
-10	14 Well Sole Steel Light with Parent & Battery					
-	a manage					4 10 130 00
	OUTPUT COST 2	1.576		2.50		8,875.00
	OUTPUT SGST 1	1.5%		2.50		6,875.00
	OUTPUT COST	976			26	4,961.70
	OUTPUT SGST	874		9	76	4,961.70
	Less ROUND	OFF				(-)0.40
6.1		Tatel				₹ 4,37,803.00
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6. Conclusion

Considering the fact that the institution is predominantly a higher education institute at a taluka place, there is significant environmental research both by faculty and students. The environmental awareness initiatives are substantial. Paperless work system and vermin composting due to availability of space. Besides, environmental awareness programmes initiated by the administration shows how the campus is going green. Few recommendations are added to curb the menace of waste management using eco friendly and scientific techniques. This may lead to the prosperous future in context of Green Campus & thus sustainable environment and community development.

As part of green audit of campus, we carried out the environmental monitoring of campus includes Illumination. Noise level, and Ventilation and Indoor Air quality of the class room. It was observed that Illumination and Ventilation is adequate considering natural light and air velocity present. Noise level in the campus well within the limiti.c. below 50dB at day time.

A great effort has been made to tackle the energy crisis issues through the installation and functioning of ultimate source of energy i.e. solar energy. As a rural institute our College initiated an activity to adopt eco-friendly lifestyle by the consumption n of energy through solar source for which solar appliances have been installed on the college building. Our College installed Solar Panels of 10 KW grid on the terraces. It produces average 1200 to 1400 Units electricity per months *and* there are total four 70watt LED solar Street lights installed at campus.

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Beyond the campus environmental Promotion Activities



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Energy Use and Conservation

This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliance, natural gas and vehicles. Energy use is clearly an important aspect of campus sustainability and thus requires no explanation for its in cushioning the assessment.

a) Observations

Energy source utilized by all the departments is electricity only. Total energy consumptions eterminedas735KWH/Month by major energy consuming equipments.

All the departments are equipped with CFI, and LED lamps Approximately 15 CFLs (Capacity) and 22 LED are counted during survey. Equipments like Computers are used with power saving mode. In science department like Physics, Chemistry, Mathematics, Botany, Zoology, Electronics, Computer Science and B.Voc electricity was shut downed after occupancy time is one of green practices for energy conservation. Institute is having capacity power generate or which is used during power cuts.

b) Recommendations

- Support renewable and carbon-neutral electricity options on any energy purchasing consortium, with the aim of supplying all college properties with electricity that can be attributed to renewable and carbon-neutral sources.
- Appreciate that it is preferable to purchase electricity from a company that invests in new sources of renewable and carbonneutral electricity.

Tq.Kbultabad, Dist. Aurangabed



Waste Management

This indicator addresses waste production and disposal of different wastes like paper, food, plastic, biodegradable, construction, glass, dust etc and recycling. Furthermore, solid waste often includes wasted material resources that could otherwise be channeled into better service, repair, and reuse. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus. The different solid wastes collected as mentioned above.

Funinoon Arts, Commune of Schere College To Khudabad, Cost Aurangabed

a) Observations

The total solid waste collected in the campusis7 Kg/day. Waste generation from tree droppings is a major solid waste generated in the campus. The waste is segregated at source by providing separate dustbins for Bio-degradable and Plastic waste. Segregation of chemical waste generated in science laboratories is also practiced. Practicals are done at micro scale with infinite dilution which produces no effect on waste water. Single sided used papers reused for writing and printing in all departments. Important and confidential reports/ papers are given to authorized scrap agents after completion of their preservation period. Very less plastic waste (0.5 Kg/day) is generated by some departments, office, garden etc., but it isneither neither categorized at point source nor sent for recycling. Metal waste and wooden waste is stored and given to authorized scrap agents for further processing. Few glass bottles are reused in the laboratories. The food waste from main canteen and mess is buried in soil and composted.

16

b) Recommendations

- Reduce the absolute amount of waste that it produces from college staff offices.
- Make full use of all recycling facilities provided by City Municipality and private suppliers, including glass, cans, white, colored and brown paper, plastic bottles, batteries, print cartridges, cardboard and furniture.
- Provide sufficient, accessible and well-publicized collection points for recyclable waste, with responsibility for recycling clearly allocated.
- · Single sided papers to be used for writing and photocopy
- Importantandconfidentialpapersaftertheirvaliditytobesentforpulping



Tq.Xhultabad, Dist. Aurangabad



E-waste can bed scribed as consumer and business electronic equipment that is narrated then does fits use fullife. This makes up about5%ofall municipal solid waste worldwide but is

Kohineer Arts, Contraction College Tq.Khukabad, Dist. Aurangabad

much more hazardous than other waste because electronic components contain cadmium, lead, mercury, and Polychlorinated biphenyls (PCBs) that can damage human health and the environment.

a) Observations

E-waste generated in the campus is very less in quantity. The cartridges of laser printers are refilled outside the college campus. The E- waste and defective item from computer laboratory is being stored properly. The institution has decided to contact approved E-waste management and disposal facility in order to dispose E-waste in scientific manner. Academic and administrative staff is instructed to store E-waste properly and not to dump openly in thecampus.

b) Recommendations

- Recycle or safely dispose of white goods, CFL ,LED lamps, tube lights, computers and electrical appliances.
- Usereusableresourcesandcontainersandavoidunnecessarypackaging wherepossible.
- Alwayspurchaserecycledresourceswherethesearebothsuitableandav ailable.

Floral and Faunal Biodiversity

This includes the plants, vertebrates and insect biodiversity of the campus. This also helps in ensuring that the Environmental Policy is enacted, enforced and reviewed using various environmental awareness programmers.

a) Observations

Campus is located in the vicinity of trees, herbs, shrubs, flowering plants, climbers, various grasses and medicinal plants. Various tree plantation programs



Organized during the month of July and August at college campus and the surrounding villages through NSS unit. This program helps in encouraging ecofriendly environment which provides pure oxygen within the institute and awareness among villagers. The plantation program includes various types of indigenous species of ornamental, medicinal and wild plant.

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Faunai includes various types of vertebrates, insects, birds, reptiles, butterflies and moths,

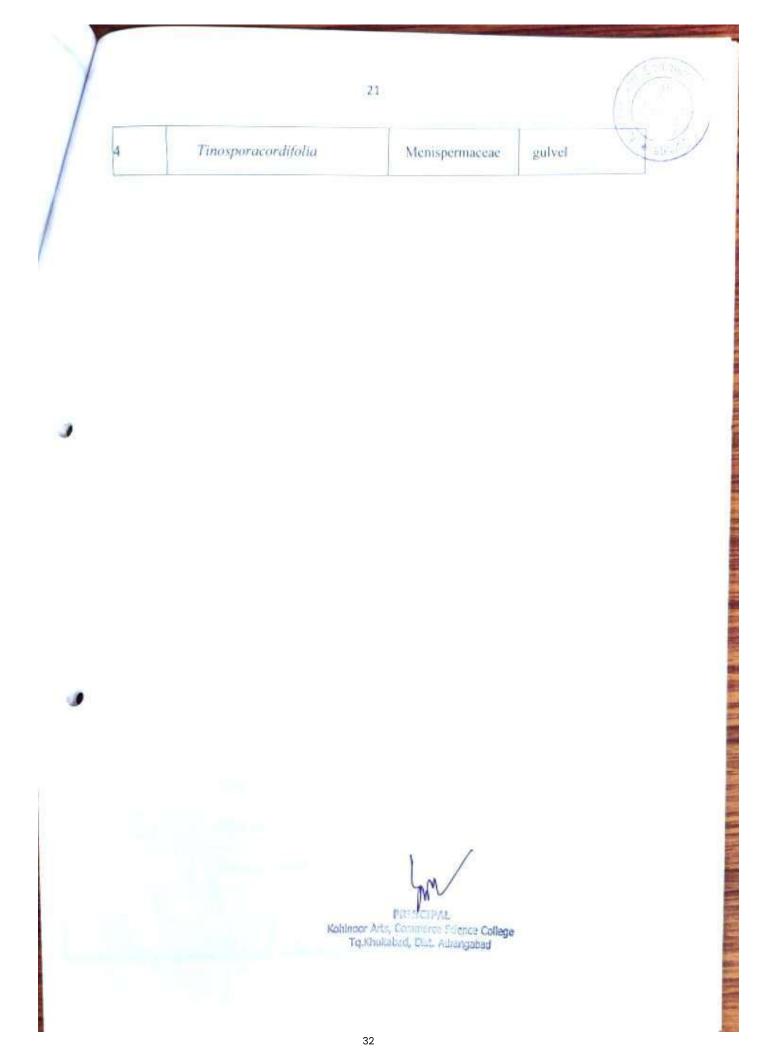
b) Recommendations

- Reviews periodically the list of trees planted in the garden, allodium bers to the trees and keep records. Give scientific names to the trees.
- Promoteenvironmentalawarenessasapartofcourseworkinvariouscurr icularareas, independ entre search projects, and community service.
- Createawarenessofenvironmentalsustainabilityandtakesactionstoens ureenvironmental sustainability.
- Ensurethatanauditisconductedannuallyandactionistakenonthebasiso faudit report, recommendation and findings.
- Celebrateeveryyear5thJuneas*EnvironmentDay'andplanttreesonthis day to make the campus more Green.

Campus flora

Sr. No.	Botanical Name	Family	Common Name
1	Tictonagrandis	Lamíaceae	Sagvan
2	Azardiachtaindica	Meliaceae	kadulimb
3	Durantaerracta	Verbenaceae	sunshineplant

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			22	
1000		Madhukalogifolia	Sapotaceae	mahua
,		Emblicaofficinalis	Phyllanthceae	aamla
7		Tridaxprocumbence	Asteraceae	tantani
8		Hibiscusrosasinesis	Malvaceae	jaswand
9		Argemonemaxicana	Рарачетасеае	pivladhotra
	10	Abitulonindicum	Malvacea	petari
1	11	Ficusreligiosa	Moraceae	pimple
	12	Neriumindicum	Apocynaceae	knher
	13	Bahuniavarigata	Fabaceae	aapta
	14	Acaciaarabica	Mimosaceae	babul
	15	Polyalthalongifolia	Annonaceae	ashokaplant
	16	Tamarindusindica	Fabaceae	chinch
	17	Boganvelleaspecticutis	Nyctaginaceae	kagadiphul
	18	Bryophyllumpinnatum	Crassulaceae	panphuti
	19	Lantanacamera	Verbenaceae	kamuni
	20	Tagetuserecta	Asteraceae	marigold(zendu)
	21	Calotropisprocera	Ascalpediaceae	rui

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22	Psoraleacorylifolis	13	No.
		fabaccae	baychi
23	Caesalpiniapulcherrima	cesalpinaceae	gulmohar
24	Moringaolifera	-moringaceae	shevga
25	Ziziphusjujubu	Rhamnaceae	ber
26	Aloevera	Liliaceae	korphad
27	Jasminemultiforum	Oleaceae	juiee
28	Calyptocarpusvialis	Asteraceae	
29	Ageratinariparia	Asteraceae	Mistflower
30	Taraxacumofficinale	Asteraceae	(1000000)
31	Seneciovulgaris	Asteraceae	R.T.C.E.M.
32	Clerodendruminerme	Verbenaceae	
33	Xanthiumstrumarium	Asteraceae	
34	Tenotaphrumsecundatum	Poaceae	grass
35	Cyperusrotundus	Poaceae	grass
36	CassiatoraLinn	Leguminosae	
37	Barleriaprionitis	Acanthaceae	katekoranti
38	PedaliummurexL	Pedaliaceae	



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	2	4	
19	Thujaoccidentalis	Cupressaceae	
40	Prunusdulcis	Rosaceae	
41	Punicagranatum	Lythraceae	Anar
42	Manilkarazapota	sapotaceae	Chikku
43	Morusalba L	Moraceae	Malberi
44	Cocusnucifera	Arecaceae	Nariyal
45	Plumeriarubra	Apocynaceae	
46	Eucalyptus	Myrtaceae	Niligiri
47	Murayapaniculata	Myrtaceae	Kadipatta
48	Acanthospermumhispidum	Asteraceae	Landaga
49	Annonasquamosa	Annonaceae	Shitafal
50	Alstoniascholaris	Apocynaceae	
51		Arecaceae	palmtree
52	Phoenixsylvestris	Arecaceae	shindi
53	Mangiferaindica	Anacardiaceae	aamba
54	Cyperusrotundus	Cyperacea	nagarmotha
55	Ficuselastic	Moraceae	Rubber

Ma

Kohlnoer Arts, Commercial Science College Tg.Khultabed, Dist. Aurangebed

		25	
56	Limoniaacidissima	Rutaceae	Kavath
57	Ixorachinesis	Rubiaceae	
58	Terminaliabellirica	Combretaceae	Behda

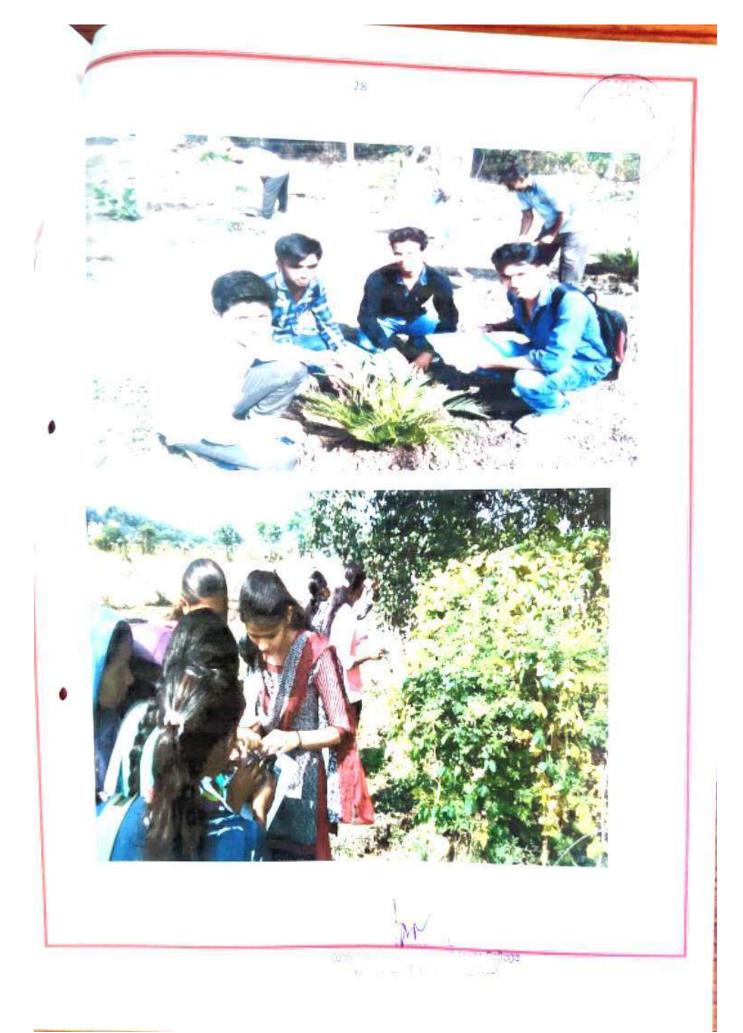
Campus Fauna

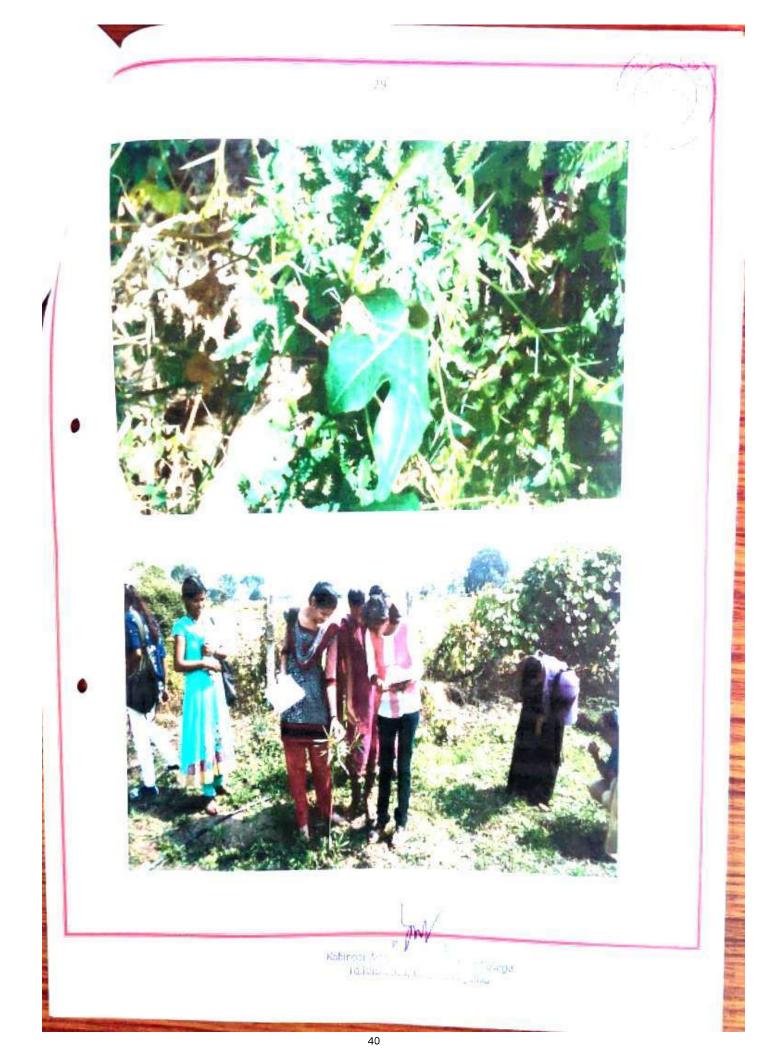
Phylum/Class	Common Name	Scientific Name	Numbers
	Antlion	Myrmeleonesps	Richdiversit
	Centepede	Scutigera coleoptrata	Rare
	Milipede	Deplopoda	Rare
	Snails	Cornuaspersum	Rare
Phylum	Grasshoppers	Melanoplus differentialis)	Rich
	Ants	Lasiusniger	Rich
Invertebrates	Beetles	Coelopterian	Rare
	Honeybee	Apisindica	Rich
	ButterflyS wallowtail	Papiliodemoleus	Moderate
	BluePancy	Junoniaorythia	Rare
	Common GrassYello w	Eurhecabe	Rich

PRINCIPAL Kohlnoor Arts, Communice College TqLKhultsbad, Dist. Adrengsbad

alalimniace Rare ymnasbolina Rare esversicolor Rich aja Rare	PlainTiger BlueTiger Blue mmonBut	
ymnasbolina Rare esversicolor Rich	Blue	
sversicolor Rich		
Construction of the Constr	terfly	
aja Rare	Gardenl izards	
A States	snake	
arattus Rich	Rat	
miductilus frenatus Rich	WallLizard	Vertebrates
rdomesticus Rich	CommonSparrow	
s Rich	Crow	
otherestristis Rare	Maina	
rdomesticus Rich s Rich	CommonSparrow Crow Maina	Vertebrates







Noise Pollution, Occupational health and safety

This includes noise level of the campus and whether the institute takes care of the health and safety of the employee and students. Academic and supportive staff as well as students of science faculty comes in contact with hazardous chemicals every day. The laboratories should be provided with all required safety equipments which can be used in emergency.

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a) Observations

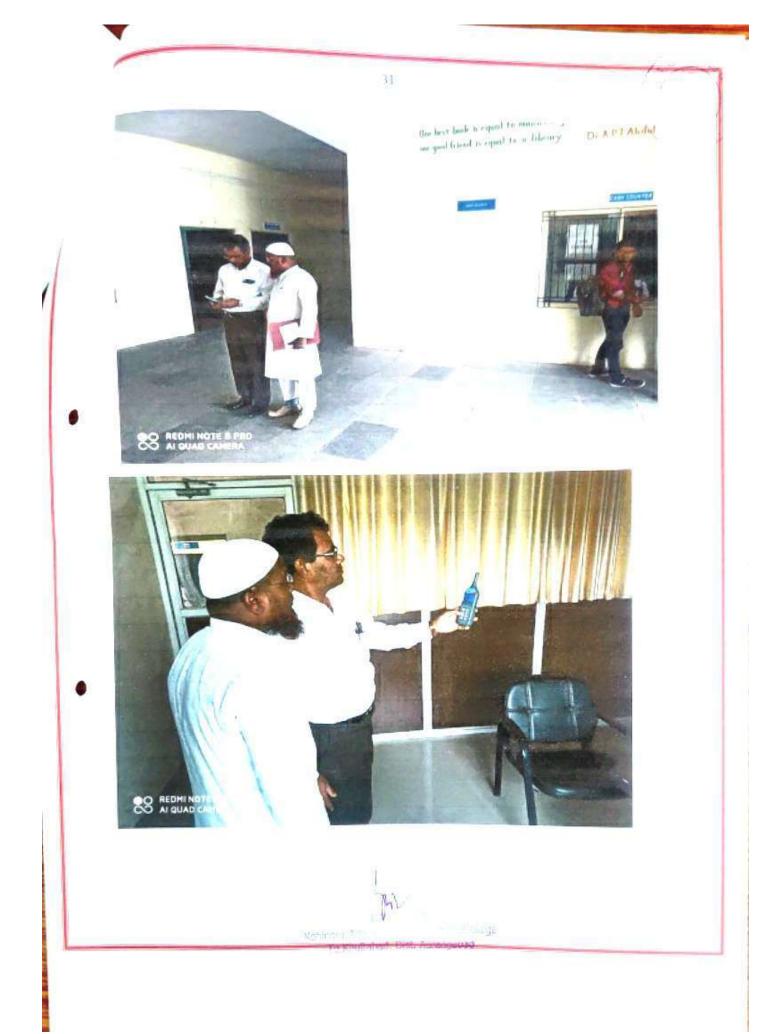
Noise level of the campus is less than 50 dB during day time. Each and every laboratory has displayed safety signs and symbols and safety instructions at various places. Laboratories are provided with fire extinguishers which can be used in emergency. Labs are provided with exhaust fans which help in exhausting the fumes of the chemicals liberated in the labs while performing practical and air circulation. Students are strictly instructed to wear apron and PPE while performing practicals.

b)Recommendations

- Nohorn and silent zone boards should be displayed in the parking area.
- Students should be supervised while performing the practical sin or derto avoid accidents and spillage of chemicals on the body.
- Sprinklers of the chilled water should be provided for labs for eyes and face washing during emergency.

 First aid boxes should be kept proper and with all necessary equipments and medicines.

Kohinoor Arts: Cr tee College





5. SOLAR ENERGY

Introduction:



World's energy demand is growing fast because of population explosion and technological advancements. It is therefore important to go for reliable, cost effective and everlasting renewable energy source for energy demand arising in future. Solar energy, among other renewable sources of energy, is a promising and freely available energy source for managing long term issues in energy crisis. Solar industry is developing steadily all over the world because of the high demand for energy while major energy source, fossil fuel, is limited and other sources are expensive. In today's climate of growing energy needs and increasing environmental concern, alternatives to the use of non-renewable and polluting fossil fuels have to be investigated. One such alternative is solar energy. Solar energy is quite simply the energy produced directly by the sun.

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Kohinoor College is one of the rural institutes contributing in the Environmental and Social prosperity by inculcating the practical knowledge to aware the individuals regarding the importance of renewable sources of energy. A great effort has been made to tackle the energy crisis issues through the installation and functioning of ultimate source of energy i.e. solar energy. As a rural institute Kohinoor College initiated a activity to adopt eco-friendly lifestyle by the consumption n of energy through solar source for which solar appliances have been installed on the college building. Our College installed Solar Panels of 10 KW grid on the terraces. It produces average 1200 to 1400 Units electricity per months *and* there are total four 70watt LED solar Street lights installed at campus. *The* radiation that does reach the Earth is the indirect source of nearly every type of energy used today.

Use of Renewable Energy:

The use of renewable energy like solar energy at college. The details are as follows:

Kolvinoor Arts, Commissica Felence Collaga To Rouliabad, Dist, Aurangebad

		34	(1	
Sr. No.	College campus	Solar panel	Capacity	• Black
1	On College terrace	10 kw	335 Wp	
2	Solar Street lights	4	70 watt each	

Besides the use of solar energy at college campus, the college plans to make use of solar energy to light up the area around the college play ground.

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