



Navgan Shikshan Sanstha Rajuri's(N)
MRS.KESHARBAI SONAJIRAO KSHIRSAGAR ALIAS KAKU
Arts, Science And Commerce College, Beed.

NAAC reaccredited with "A" grade (3.18 CGPA as per new RAF) & ISO 21001:2018 certified



Criterion VII: Institutional Values and social Responsibilities

7.1.2 (2) Management of the various types of degradable and non-degradable waste:

Waste Management systems of the college:

College did some agreements with agencies for waste disposals. The college has also constituted the 'Green Audit and environmental audit committee' to look after the solid, liquid and e-waste management and other environmental issues. The committee sets out to identify the types of wastes, category of waste generators, how to collect, handle and dispose wastes. Few steps outlined below are identified for the waste management process.

Steps of waste management

➤ Survey of waste:

Primarily we identify sources of wastes and types of wastes generated in the college campus. Therefore, first step for waste management system is Waste Survey.

➤ 2. Sources of Wastes from where waste generates:

The committee has prepared a list of places from where the wastes are generated in the campus.

1. Principal office
2. Administrative Office
3. Library building
4. Seminar Halls and Students Classrooms
5. Indoor sports hall cum Auditorium
6. College Canteen
7. Girls Hostel
8. Dining Halls
9. Hostel Kitchen
10. Hostel Grocery Stores Room / Crockery Store Room
11. Health Centre
12. Play Ground
13. Various Departments
14. Laboratories.

➤ Types of Wastes and existing practice of waste disposal

After finding the places from where waste is generated, the next step is to dispose the different types of wastes (wet, dry and hazardous waste) as per the plan mentioned in the table below.

Type of waste	Disposed at common waste bins Municipality	Dumped in road side, and street corners /	Send to Waste Pickers for recycling
----------------------	---	--	--

	use it for composting	vacant plots	
Wet Waste			
Vegetable peels	✓		
Fruit peels	✓		
Rotten fruits and vegetables	✓		
Leftover food	✓		
Used tea / tea bags	✓		
Used coffee ground	✓		
Egg shells	✓		
Expired other food items	✓		
Mango kernel & any seed		✓	
Coconut fibre	✓		
Used flowers / dry flowers	✓		
Spoiled spices	✓		
Floor sweeping dust	✓		
Garden shrubs	✓		
Dry Waste			
Soap covers / pockets / sachets	✓		
Empty shampoo bottles, Empty perfume bottles / containers of deodorants / shaving creams	✓		✓
Empty Chemical Bottles			✓
Milk covers	✓		✓
Used door mats/door mats			✓
Used tooth brush			
Chocolate wrappers	✓		
Butter wrappers	✓		
Used mop cloth	✓		
Ghee / oil pockets / cans			✓
Package / polythene covers / Plastic covers			✓
Newspapers / card boards			✓
cosmetics containers			✓
Styrofoam			
Broken stationery like used pens, pencil sharpener			✓
Empty cans of floor cleaners			✓
Kurkure / Lays packets	✓		
Sachets (of shampoo, creams etc.)	✓		
Bisleri kind of water bottles			✓
Used tooth paste tubes etc.	✓		
Metal tins, and cans (e.g Pepsi Coke cans)			✓
Small tubs like the ones used for yogurt, cheese, jam			✓

Hazardous Waste			
Mosquito repellent refill bottles/ Mosquito repellent mats			✓
Expired medicines		✓	
Tablet covers / Syrups bottles			✓
Any medical discard		✓	
Sanitary napkins	✓		
Children's diapers	✓		
Used razor / razor blades	✓		
Old batteries			✓
Fused bulbs / tubes / electrical items	✓		✓
Broken glasses / ceramics	✓		✓
Empty cans of toilet cleaners			✓
Expired cosmetics		✓	
Cockroach killers / spray cans			✓
Old printer cartridge / CDs	✓		✓
Waste generated at Laboratories after proper treatment		✓	
Old Electronic items / parts			✓
Pieces of wires, old chargers, old pen drives	✓		✓

➤ **List of e-waste:**

1. CD/DVDs
2. Pen drives
3. Cables / Wires
4. External drives
5. Modems
6. GPS units
7. Thermostat flasks
8. Calculators
9. Dry cell batteries
10. Electronic scrap parts
11. Mouse / Key board such items
12. Speakers
13. PCs
14. Laptops
15. Printers
16. Air-conditioners
17. Freezers
18. Digital Thermostats
19. Fluorescent Lamps and tubes
20. Incandescent Light bulbs.

A. Solid Waste Management:

Wet Waste especially from kitchen & girls hostel such as vegetable refuses, food scraps etc. are collected & Transported to Municipal Corporation Beed for composting.

Basic principles of Dry Waste Management are 4Rs: Refuse, Reduce, Reuse & Recycle:

Segregation at source: Store biodegradable and non-biodegradable solid waste in different bins. Segregated solid waste being sent to Municipal corporation of Beed as we have a collaboration for the treatment of solid waste.

B. Liquid waste Method:

Liquid waste is appropriately treated for minimizing its toxicity before being discharged into the sewer systems or dumped into land pit or burn it. Liquid waste is treated with chemical disinfectants, neutralized with appropriate reagents then flushed into the sewage system. Thus, liquid waste management includes procedures and practices that prevent discharge of untreated pollutants to the drainage system or to water bodies as a result of the creation, collection, and disposal of non-hazardous liquid wastes.

C. e-waste Management:

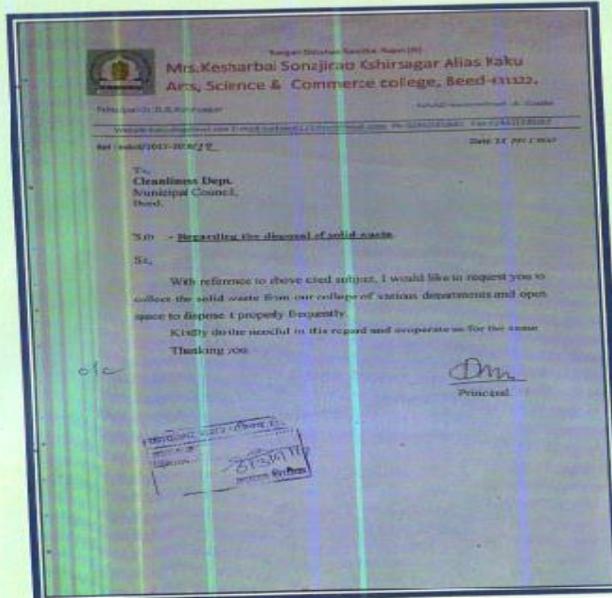
Designate a room in the Campus which may be called 'Material Recovery Centre' (MRC). The discarded e-wastes from all the office blocks in the campus shall be sent to the MRC, and stored there until it is sent to e-waste recyclers. Electronic-waste from office can be discarded in two ways. One way is Extended Producer Responsibility (EPR). Under EPR manufacturers of computers, and other electronic items should take back end-of-life products. If some Producers / manufacturers want to appoint a 'Producer Responsibility Organisation', which - on behalf of manufacturers - collect, dismantle and recycle end-of-life products can do so. Institution is used such facility for the disposal of e-waste. The idea is demanding the producers to take back e-waste through the same channel they used for placing a products in customers hands.

D. Waste water treatment plant:

Within a college campus, we have waste water treatment plant. After treatment, water is used to wash floors and other cleaning purposes.

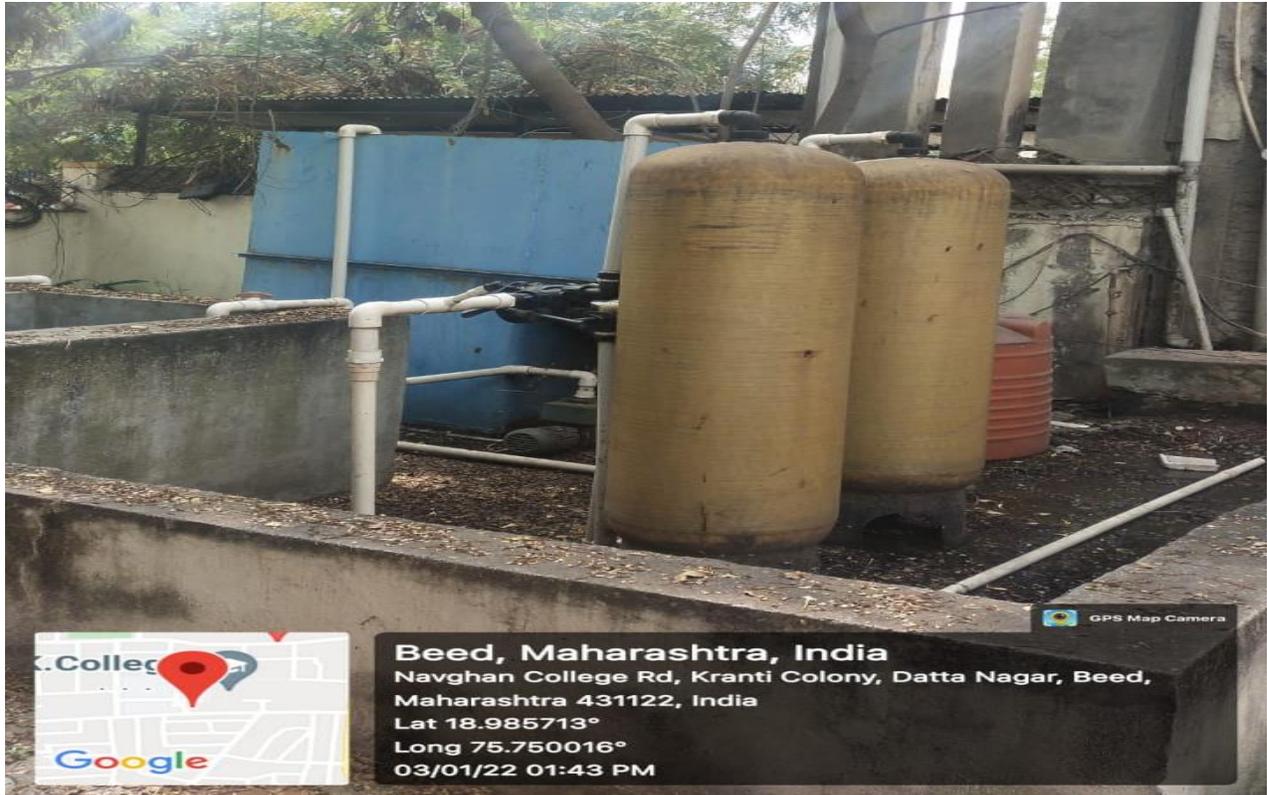
E. The college has made **chemical waste disposal** contract with the ‘Champawati waste management’, Beed for the disposal of hazardous chemical waste as per SOP.

SOLID WASTE MANEAGEMENT



Liquid Waste Management:



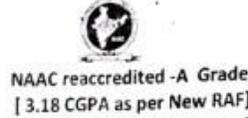




Navgan Shikshan Sanstha Rajuri (N.)

**Mrs.Kesharbai Sonajirao Kshirsagar Alias Kaku
Arts,Sci.& Comm.College,Beed-431122**

Principal
Dr.S.V.Kshirsagar



Secretary
Dr.Bharatbhushan
Kshirsagar

COLLEGE HTE SEVERTH ID- 06310100113

Website-kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

Date :- 20/07/2022

**Memorandum of Understanding for e-waste management
Between**

**Department of Computer Science
Mrs.Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science and Commerce College,Beed
And
P.C.Care,Beed**

This Memorandum of Understanding (MOU) sets for the terms and understanding between department of Computer Science of Mrs.Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science and Commerce College, Beed and **P.C.Care Beed Tq.& Dist.Beed** to work together for furthering co-operation, education & research in common interests of two institutions.

Purpose:

Both Department jointly agree in order to promote the following activities.

Our institution buys electronic products and computers from yours shop/ Concern on extended procedure responsibility (EPR). As per EPR, it is supposed that at the end product life, the supplier should take back the goods under the disposal of **e-waste management.**

Duration :

This MOU is at- will and may be modified by mutual consent of authorized officials from both department. This MOU shall become effective upon signature by the authorized officials from the **department of Computer Science** of Mrs.Kesharbai Sonajirao Kshirsagar Alias Kaku Arts, Science and Commerce College,Beed and **P.C.Care ,Beed Tq.& Dist.Beed** and will remain in effect until modified or terminated by any one of the partners by mutual consent.


Head
Department of Computer Science
Mrs.K.S.K.College,Beed

Director
P.C.Care,Beed
Tq & Dist. Beed




Principal
Mrs.K.S.K.College,Beed
Principal
Mrs.K.S.K.Alias Kaku Arts.
Science & Commerce College
Beed-431122



Navgan Shikshan Sanstha Rajuri (N.)

**Mrs.Kesharbai Sonajirao Kshirsagar Alias Kaku
Arts,Sci.& Comm.College,Beed-431122**

Principal
Dr.S.V..Kshirsagar



ISO- 21001:2018



NAAC reaccredited -A Grade
[3.18 CGPA as per New RAF]



Green audit

Secretary
Dr.Bharatbhushan
Kshirsagar

COLLEGE HTE SEVERTH ID- 06310100113

Website-kskcollegebeed.com E-mail-kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

Date 20/07/2022

Chemical Waste Disposal Agreement.

The Chemical waste disposal agreement between the Department of Chemistry Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku Arts,Science & Commerce College, Beed and Champawati Waste Management, Beed is being come to exist for the Chemical Waste Management. Under this agreement both departments are agree to work together for the management of chemical waste generated during practical's and the chemicals which are not in good condition to be used-for practical's. This agreement will remain in effect until modified or terminated by any one of the partners by mutual consent.


Head
Department of Chemistry
Mrs.K.S.K.College,Beed.
Department of Chemistry
Mrs. K.S.K. College, Beed


Champawati Waste Management
Champavati Waste Management
Tq & Dist. Beed
Beed.

Principal
Mrs.K.S.K.College,Beed


Principal
Mrs.K.S.K. Art's Sci.Comm.
College,Beed-431122



Navgan Shikshan Sanstha Rajuri (N.)

Mrs. Kesharbai Sonajirao Kshirsagar Alias Kaku
Arts, Sci. & Comm. College, Beed-431122

Principal
Dr. S.V. Kshirsagar



ISO- 21001:2018



NAAC reaccrredited -A Grade
[3.18 CGPA as per New RAF]



Green audit

Secretary
Dr. Bharatbhushan
Kshirsagar

COLLEGE HTE SEVERTH ID- 06310100113

Website- kskcollegebeed.com E-mail- kskbeed123@rediffmail.com Ph.(02442)222641 Fax-02442)230197

Ref : kskcb/2023-2024 / 196

Date :- 14 / 08 / 2023

To,
The Hon'ble Chief Officer
Beed Municipal Council,
Beed- 431122.
(Cleanliness Department)

Sub :- Regarding the disposal of solid Wastes from our
college campus.

Respected Madam / Sir,

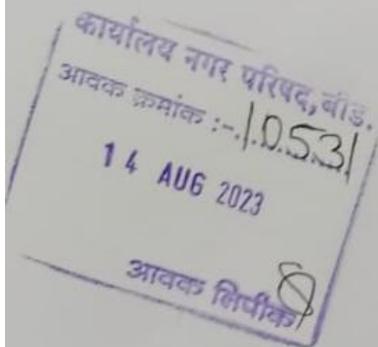
With reference to above cited subject, I would like to request you to college the solid waste of various departments and open spaces, drainage waste, from our college campus to dispose it properly and frequently as follows.

- 1) To collect & dispose the Garbage from east parking zone of college.
- 2) To clean & collect Drainage material ,sewage semi-solid material.
- 3) To collect & dispose properly Trees & plants leaves, solid garbage, branches of Trees etc.
- 4) To collect and dispose plastic bottles, carry-bags & other wastes from campus.
- 5) Spreading of fumigation & B.H.C. powder in and around college campus.

As per above information we are in need of help of cleanliness Department of Beed Municipal council Beed & cleanliness committee of our college for smooth work of the same from today to 5 years contract/ agreement with both offices & frequently visit of sanitary inspector and labours to the college for cleanliness is expected from municipal council, Beed.

Kindly do the needful in this regard and cooperate us for the same.

Thanking you,



Principal.
Principal
Mrs. K.S.K. Art's Sci. Comm.
College, Beed-431122

Solid waste collection pots and dustbins





 **GPS Map Camera**



Beed, Maharashtra, India
XQP2+C3M, Datta Nagar, Beed, Maharashtra 431122, India
Lat 18.986255°
Long 75.750357°
26/08/23 10:45 AM GMT +05:30



 **GPS Map Camera**



Beed, Maharashtra, India
XQP2+C3M, Datta Nagar, Beed, Maharashtra 431122, India
Lat 18.986038°
Long 75.750109°
26/08/23 10:46 AM GMT +05:30



Chemical Waste
Container

GPS Map Camera



Beed, Maharashtra, India
XQP2+H3X, Datta Nagar, Beed, Maharashtra
431122, India
Lat N 18° 59' 10.0644"
Long E 75° 45' 1.5192"
17/01/22 11:15 AM

ISO 14001:2015 Certificate Of Registration

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Navgan Shikshan Sanstha, Rajuri (N.)
Mrs. Kesharbai Sonajirao Kshirsagar
Alias Kaku Arts, Science & Commerce College, Beed

Address : Beed 431122, Maharashtra, India

has implemented and maintains an **Environmental Management System** for

Scope :

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

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

Standard : ISO 14001:2015
Certificate No. : 21.GGCS.IN.140182
Certification Date : 31st January 2022
Cert. Expiry Date : 30th January 2025



Geotek Global
Certification Pvt. Ltd.

Reg. No. IN/EMS20/0512



International Management
Accreditation Board

A handwritten signature in black ink, appearing to read 'S. Jaisankar', is written over a circular stamp.

Chief Executive Officer

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

Geotek Global Certification Pvt. Ltd. is accredited by International Management Accreditation Board (Singapore)
51, Goldhill Plaza, #07-10/11, Singapore 308900

The continual validity of the certificate is conditional to compliance with the terms and the conditions of Geotek Global Certification Pvt. Ltd. - Certification Scheme Regulation. Validity of the certificate may be verified on following websites : www.geotekcs.in and accreditation body's website : www.imab.com

ISO 50001:2018 Energy Management System

ISO 50001:2018 Certificate Of Registration

Geotek Global Certification Pvt. Ltd.

hereby certify that the organization

Navgan Shikshan Sanstha, Rajuri (N.)
Mrs. Kesharbai Sonajirao Kshirsagar
Alias Kaku Arts, Science & Commerce College, Beed

Address : Beed 431122, Maharashtra, India

has implemented and maintains an **Energy Management System** for

Scope :

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

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

Standard : ISO 50001:2018
Certificate No. : 21.GGCS.IN.500135
Certification Date : 31st January 2022
Cert. Expiry Date : 30th January 2025



Reg. No. IN/EnMS10/0523

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. is accredited by International Management Accreditation Board (Singapore)
51, Goldhill Plaza, #07-10/11, Singapore 308900

The continual validity of the certificate is conditional to compliance with the terms and the conditions of Geotek Global Certification Pvt. Ltd. - Certification Scheme Regulation. Validity of the certificate may be verified on following websites : www.geotek.co.in and accreditation body's website : www.imab.com

ASSURE QUALITY
MANAGEMENT CERTIFICATION SERVICES PVT. LTD.

COMPLIANCE VERIFICATION

This is to certify that
Nagpur Shikshan Sanstha Rajur (N.)

MRS. KESHARBAI SONAJIRAO KSHIRSAGAR
ALIAS KAKU ARTS, SCIENCE & COMMERCE COLLEGE
Beed - 431122 - Maharashtra
India

Has been assessed and found to be in accordance with the requirements of detailed below

Green Audit
Preference AOP4 - latest revision

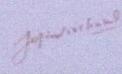
**To Evolve and Impart Comprehensive Higher Education to the
Students of Under Graduation, Post-Graduation, Diploma Courses,
Certificate Courses & Doctoral Degrees in Arts, Commerce & Science**

Certificate Number: AB00AA/00AB:0222

Originally Registered: 02 Feb. 2022 Latest Issue: 02 Feb. 2022 Originally Expiry Date: 01 Feb. 2025

Validity of this certificate is subject to annual surveillance audit to be done successfully on or before of 22 Jan. 2023 & 22 Jan. 2024 respectively. In case if surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn.



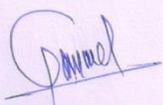



For AQMCS PVT LTD

Validity of this certificate can be checked at www.aqmcs.com at registration status. The validity of certificate is subject to continuous compliance the requirements of concerned standards & relevant provision of AQMCS customer contract & scheme of registration. Additional version(s) available at www.aqmcs.com. This certificate remains the property of AQMCS & shall be returned immediately at the request to AQMCS Headquarters.
B/172, Sector-11, Panchsala-134109, Tricity-Chandigarh-India

© All rights reserved

All the information mentioned above is true and hence certified.


Co-Ordinator
Internal Quality Assurance Cell
Mrs. K.S.K. College, Beed, (M.S.)




Principal
18
N.S.S.R.(N.) Mrs. Kesharbai
Sonajirao Kshirsagar Alias Kaku
Arts, Science and Commerce
College, Beed.