



## Govt. Niranjana Kesharwani College, Kota Dist.-Bilaspur (C.G.)

NAAC accredited (Cycle-II) with CGPA 2.55 in September 2015

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### MANAGEMENT OF THE DEGRADABLE AND NON-DEGRADABLE WASTE

#### (7.1.3)

##### 1) Solid Waste Management: -

Pollution from waste is aesthetically unpleasant and results in a large amount of litter. Solid Wastes, which may cause severe health problems, can be categorized into three types, Biodegradable, Non-Biodegradable, Hazard Waste. Biodegradable waste includes food waste, canteen waste and waste from toilets etc. Non-Biodegradable waste includes plastic, tin, glass, bottle etc. and Hazard waste that is likely to be a threat to the health of the environment like, cleaning chemical and different laboratory related Chemical Products.

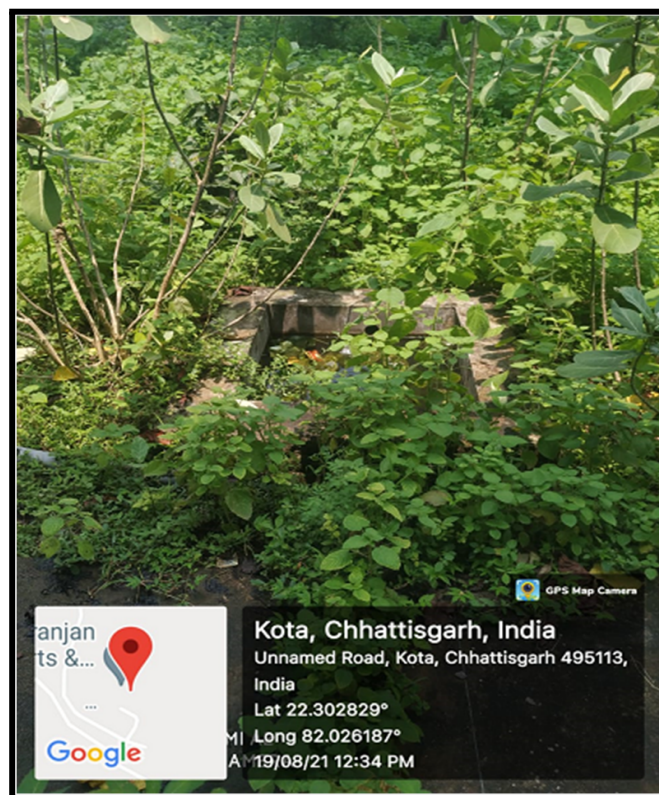
Each and every department of Government Niranjana Kesharwani College, Kota creates some waste and dumps in small waste-bins located in the department. The Bio-degradable wastes are effectively converted to fertilizer by composting inside the college campus.



## 2) Liquid Waste Management: -

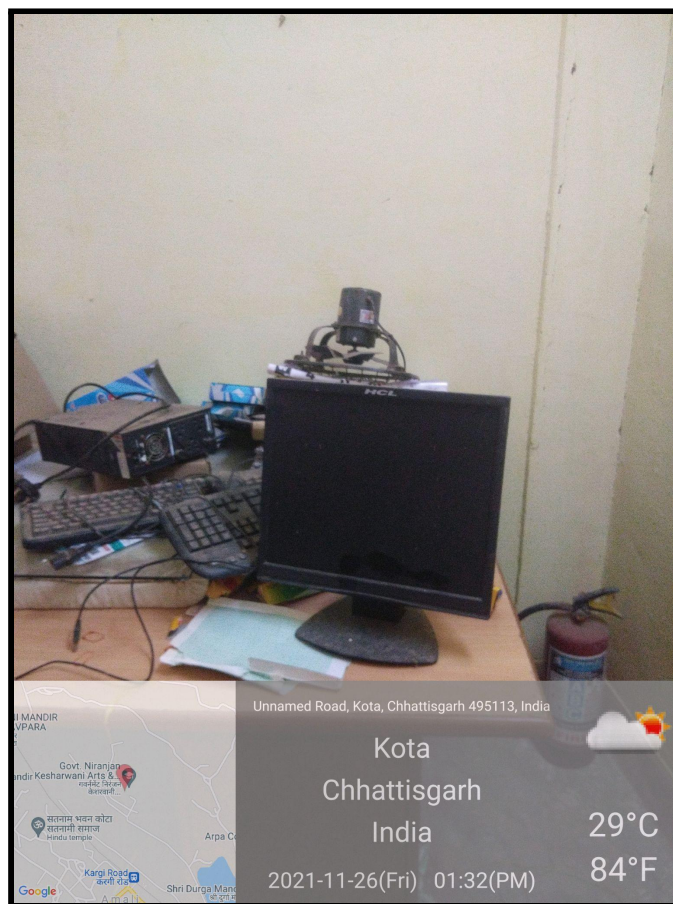
The liquid wastes are mainly drained to improve the ground level of water. Liquid Waste is generated from the Science laboratories like Chemistry, Botany, Zoology laboratory and Canteen. The liquid waste generated by the college are of two types :

1. Sewage Waste
2. Laboratory and Canteen effluent.



### 3) E-Waste Management: -

Government Niranjan Kesharwani College, Kota, Bilaspur (C.G.) has a very efficient mechanism to dispose of E-waste generated from various sources. The E-wastes generated from Computer Lab, Science laboratories & academic and administrative offices. The E-waste includes out of order equipment or obsolete items like lab instruments, circuits, desktop, laptop and accessories, printers, charging and network cable, Wi-Fi devices, sound system, display unit, UPS, Biometric Machine, Scientific Instruments etc. All these wastes are put to optimal use. All such equipment which cannot be reused or recycled are being stored in a place for later disposal.



## SOLID WASTE AUDIT

### Govt. Niranjana Kesharwani College, Kota, Bilaspur (C.G.)

A Solid Waste Audit is our college thought process that is used to determine the amount and types of waste product by college. Notebooks and papers used for different purposes are sent for recycling. Moreover, every bit of paper is utilized to save trees by each and every department for academic and administrative work. Other non-degradable solid wastes are also collected that are disposed of to the municipal waste collection system.

The college implements SWM by enforcing the waste segregation rules. Dust bins are placed in every class room, laboratory, canteen, staff room, office and at different locations in the campus. Sweepers are allotted to each room who manage all the waste generated in the college campus.

S.No.	Department Name	No. of Bin (Small)	No. of Bin (Large)	No. of Trailer	No. of employed sweeper
01	Botany Lab	01	01	01	01 (Contract Basis)
02	Zoology Lab	01	01		
03	Chemistry Lab	02	02		
04	Physics Lab	01	01		
05	Office	02	02		
06	Staff Room	02	02		
07	Classroom	07	06		
08	Common Room	02	03		
09	Other Place	02	02		

**LIQUID WASTE AUDIT**  
**Govt. Niranjana Kesharwani College, Kota,**  
**Bilaspur (C.G.)**


The Govt. Niranjana Kesharwani College, Kota follows the systematic procedure for proper management and disposal of liquid waste. The wet waste from the college, laboratory, canteen is given away to biofertilizer plants for making eco-friendly fertilizers. A sewage treatment plant for the college is being concealed. The treated water is used for gardening and other purposes. College also conducts discussions with students to make them aware about the LWM techniques.

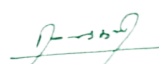
S.No.	Source of Waste	Waste generate (Kgs. per week)
01	Canteen	150 kg/week
02	Laboratories	
	a) Chemistry	50 kg/week
	b) Physics	50 kg/week
	c) Zoology	10 kg/week
	d) Botany	-----
03	Tree droppings	30 to 70 kgs in different seasons

**E-WASTE AUDIT**  
**Govt. Niranjana Kesharwani College, Kota,**  
**Bilaspur (C.G.)**

The Govt. Niranjana Kesharwani College, Kota has undertaken a number of E-Waste Management initiatives with the objective of creating an eco-friendly environment in the campus. Details of E-Waste collected and disposed are shown in the following table: -

S.No.	Material Details	Quantity
01	CPU	02
02	Monitor	3
03	Keyboard	04
04	Hard Disk	02
05	RAM	06
06	Motherboard	03
07	Printer Dot-Matrix	01
08	Stabilizer	03
09	Batteries	04
10	Printer Deskjet	NIL
11	Photocopier	NIL
12	OHP	01
13	Scanner	NIL
14	Mouse	08
15	Ribbon	12

  
**IQAC Coordinator**  
Govt. Niranjana Kesharwani College  
Dist.-Bilaspur (C.G.)

  
**PRINCIPAL**  
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