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HYDERABAD KARNATAKA EDUCATION SOCIETY'S  
**SMT. VEERAMMA GANGASIRI**  
COLLEGE FOR WOMEN, KALABURAGI -585 102

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MANAGEMENT  
OF  
DEGRADABLE AND NON-DEGRADABLE WASTE

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**Types of Waste Management**



Hyderabad Karnataka Education Society's

## SMT. VEERAMMA GANGASIRI COLLEGE FOR WOMEN

(Affiliated to Karnataka State Akkamahadevi Women's University, Vijayapura & Re-accredited with 'A' grade by NAAC (3<sup>rd</sup> Cycle))

PDA Engineering College Road, Aiwan-E-Shahi Area, KALABURAGI-585102-Karnataka-INDIA

Website: [www.vgcollege.in](http://www.vgcollege.in) e-mail: [vgdcprincipal@gmail.com](mailto:vgdcprincipal@gmail.com) Phone: 08472-220374

### SOLID WASTE MANAGEMENT

Solid waste can be categorized based on materials such as paper, plastic, glass, metal and organic waste. Solid waste disposal must be managed systematically to ensure environmental best practices in the college campus.



*Dustbins in the campus for solid waste management*





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***Solid waste collected in the college campus are transferred for disposal with the help of City Municipal Corporation Kalaburagi***





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## INCINERATOR INSTALLED IN WASHROOM TO DISPOSE SANITARY NAPKINS



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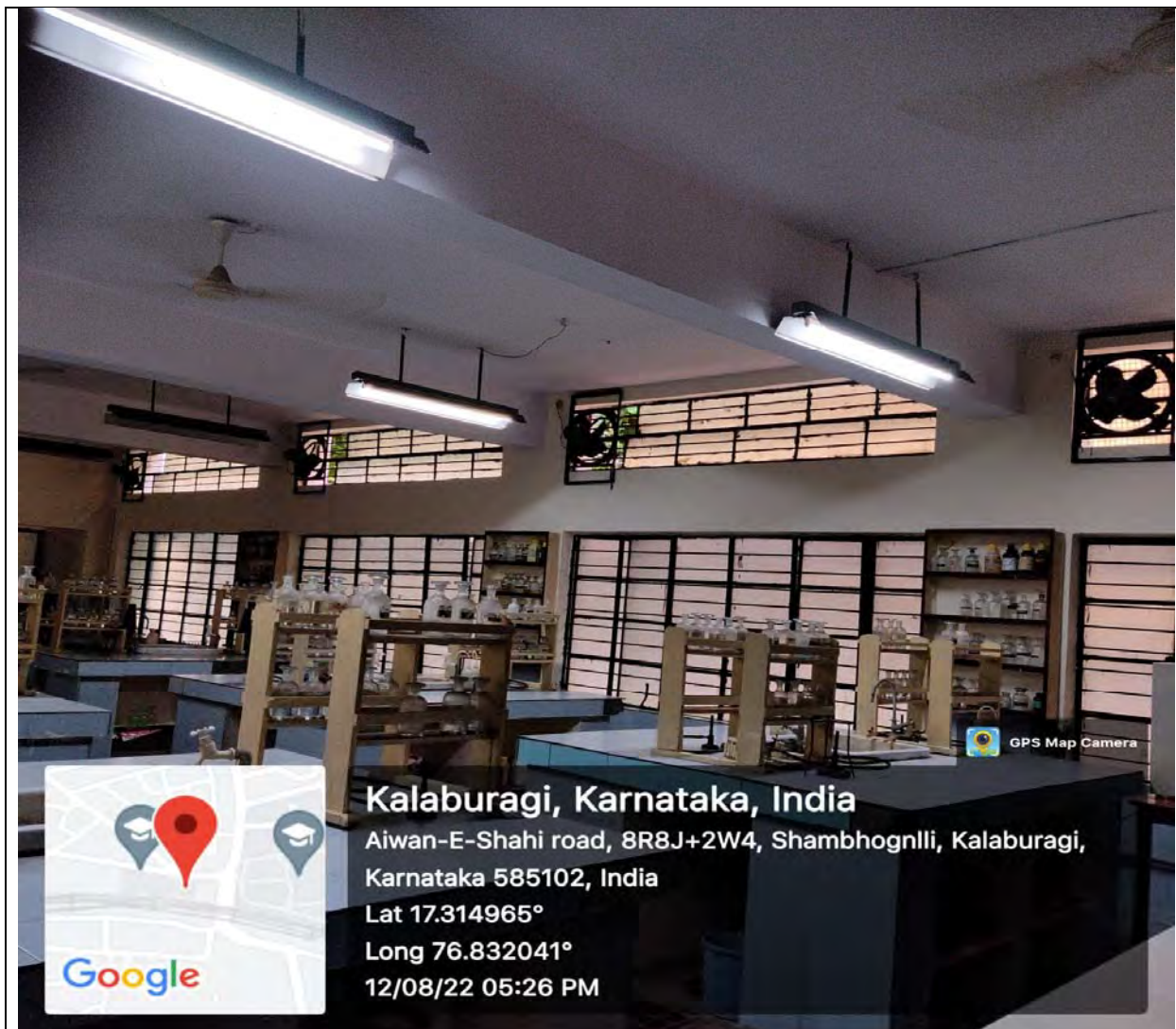
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### LIQUID WASTE MANAGEMENT



*Chemistry Laboratory waste is directed into the chamber through the pipelines. As we are using acids and bases very often during the laboratory work, the pH of the contaminated water changes obviously. We have developed a unique way of testing the pH of the waste water collected in the tank by using litmus. If the water turns blue litmus to red, the water is found to be acidic which is neutralized by means of an alkali. On the other hand, if the water turns red litmus to blue, the water is found to be alkaline (basic) which is neutralized by means of an acid. Ultimately the waste water of the tank is made neutral. As a result of it, the probability of soil composition alteration is reduced to minimum.*



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### E-Waste Management



The Hyderabad Karnataka Education society, Kalaburagi encourages all its educational institutes to recycle smaller, handheld e-waste including: Light bulbs, batteries, cell phones, chargers and adapters, electrical cords, and CDs in association with Cerebra IT Solutions, Bengaluru.



#### Cerebra Integrated Technologies Limited

REGD. OFFICE :

S5, Off 3rd Cross, Peenya Industrial Area, Peenya 1st Stage, Bengaluru - 560 058

Tel +91-80-22046969-99

Fax +91-80-22046980

Web [www.cerebracomputers.com](http://www.cerebracomputers.com)

E-mail [info@cerebracomputers.com](mailto:info@cerebracomputers.com)

CIN LB5110KA1993PLC015091





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### MEMORANDUM OF UNDERSTANDING FOR COLLECTION OF E-WASTE



#### Cerebra Integrated Technologies Limited

REGD. OFFICE :

S5, Off 3rd Cross, Peenya Industrial Area,  
Peenya 1st Stage, Bengaluru - 560 058.

Tel +91-80-22046969-99

Fax +91-80-22046980

Web : [www.cerebracomputers.com](http://www.cerebracomputers.com)

E-mail : [info@cerebracomputers.com](mailto:info@cerebracomputers.com)

CIN L85110KA1993PLC015091

#### MEMORANDUM OF UNDERSTANDING FOR COLLECTION OF E-WASTE

This MOU is made and entered into at Bangalore on this 18<sup>th</sup> of September 2018 by and between:

**HYDERABAD KARNATAKA EDUCATION SOCIETY** located at Kalaburagi, herein after referred to as '**HKE SOCIETY**', (which expression shall mean and include all its Administrators, Office Bearers, Successors and Permitted Assigns) of First Part;

AND

**M/s CEREBRA INTEGRATED TECHNOLOGIES LIMITED**(CIN L85110KA1993PLC015091), a company incorporated and registered under the provisions of the Companies Act, 1956 and having its registered office at No. S 5, Off 3rd Cross, 1st Stage, Peenya Industrial Area, Bangalore – 560 058, Karnataka and having its E-Waste Recycling plant at Plot No. 41 to 46, KIADB Industrial Area, Narasapura, Appasandra Village, Narasapura- 563 133, Karnataka (hereinafter referred to as '**CEREBRA**' which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its administrators, successors and permitted assigns) of **SECOND PART**.

('HKE SOCIETY' and 'CEREBRA' are hereinafter individually referred to as "Party" and collectively as "Parties").

WHEREAS

**HYDERABAD KARNATAKA EDUCATION SOCIETY'** consisting of 49+ institutions. It is registered under the societies Registration Act, Mysore with certificate of Registration Form No. 14, No. 1797/58-59.





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'CEREBRA' is specialized in E-Waste Management and Handling Services which includes Collection, Dismantling, Segregation (Re-usable & Unusable), Repair, Recondition, Refurbish for Re-use, Re-Marketing, and Recycle unusable equipments. Services offered includes Data Wiping, Data Destruction & Data Recovery Processes;



As a common social responsibility of all citizens to dispose E-Waste responsibly. HKE SOCIETY has expressed interest to hire 'CEREBRA's services for proper disposal of E-Waste that is collected from their Institutions;

'CEREBRA' agrees to provide the required services to **HYDERABAD KARNATAKA EDUCATION SOCIETY;**

The Parties hereby agree to the below mentioned terms:

#### **1. EFFECTIVE DATE AND TERM**

This MOU shall come into effect from the date above mentioned and shall be in effect for fulfillment of the agreed mutual responsibilities of both parties. CEREBRA shall issue the CERTIFICATE to HKE SOCIETY after 21 days of Collection.

#### **2. E-WASTE COLLECTION, STORAGE & TRANSPORTATION**

**CEREBRA** shall arrange for transportation of the assets to its premises at the convenience of the mutual parties. The asset collected shall be with the voluntary consent of the HKE SOCIETY AUTHORITIES. **HYDERABAD KARNATAKA EDUCATION SOCIETY** shall inform CEREBRA when the E Waste assets is One full load for transportation to pick up from their 3 locations Kalaburagi, Bidar and Bangalore.



### 3. PAYMENT

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**CEREBRA** shall pay HKE SOCIETY for their E WASTE as per the itemized pricelist annexed with this MOU. CEREBRA shall pay the Amount within 3 days from the date of pick from **HYDERABAD KARNATAKA EDUCATION SOCIETY**. The Prices are Inclusive of GST 5%. Transportation shall borne by CEREBRA.

### 4. CONFIDENTIALITY

**HYDERABAD KARNATAKA EDUCATION SOCIETY** shall maintain confidentiality of all **CEREBRA's** confidential and proprietary information disclosed to it by **CEREBRA**. "Confidential Information" means any information, that may include details regarding its clients, data, designs, business operations, employees, or any details which in the normal course of business is considered as confidential, even if not specifically mentioned, shared by **CEREBRA** with **HYDERABAD KARNATAKA EDUCATION SOCIETY** under this MOU and does not include any information that may be publicly available.

### 5. COMPLIANCE

All activities under this MOU shall comply with all applicable laws, regulations, and industry standards, including but not limited to Environment Protection Act, 1986 and E-Waste Management & Handling Rules, 2011, and E-Waste Management Rules, 2016 & 2018.

Accepted:





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HYDERABAD KARNATAKA EDUCATION SOCIETY

CEREBRA INTEGRATED



Authorised Signatory

PRESIDENT  
Hyderabad Karnataka Education Society,  
KALABURAGI-585102

NAME Dr. Bhoomeshankar  
Bilgundi

DATE 18-09-2018

Authorised Signatory

NAME Rajkumar

DATE 18-9-2018



## Witnesses

1. Administrative officer,  
HYDERABAD KARNATAKA EDUCATION SOCIETY,  
Kalaburagi.
2. IT - Cell Co-coordinator,  
HYDERABAD KARNATAKA EDUCATION SOCIETY,  
Kalaburagi.
3. Business Development Executive, Cerebra Green  
Kalaburagi.

## Signature

[Signature]  
18/9/2018

[Signature]  
18/9/18

[Signature] 18/9/2018

S. G. Goudhalli  
IQAC COORDINATOR  
Smt. V.G. Degree College  
KALABURAGI

[Signature]  
PRINCIPAL  
Smt. V.G. Degree College for Women  
GULBARGA



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## **WASTE WATER RECYCLING SYSTEM**



***Rain Water Harvesting***



***Bore well Recharge with Rain Water***





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## *Re-Use of Waste water from RO Plant*

### *Waste water from RO Plant is re-used for sanitation*





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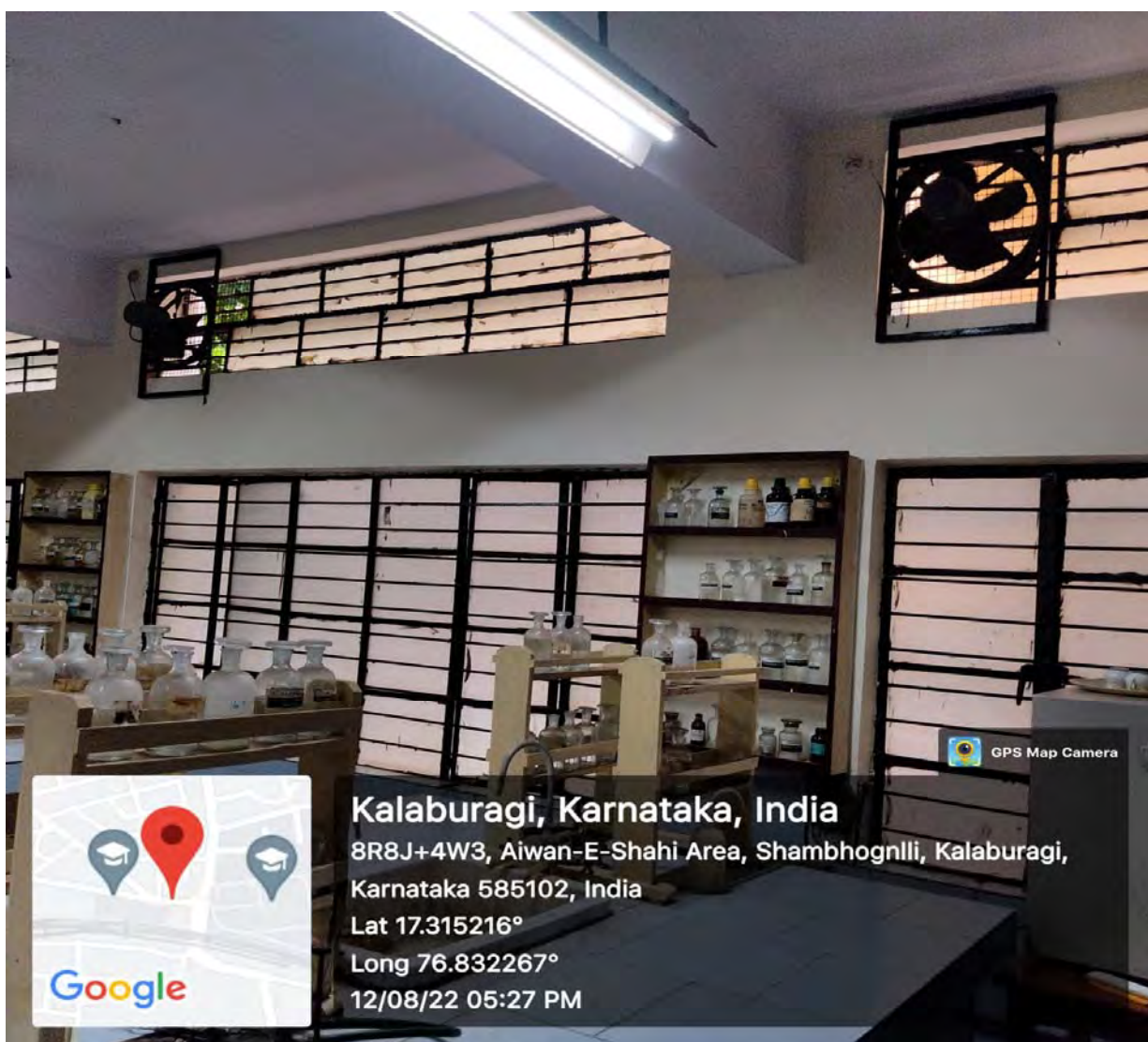
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### Hazardous Waste Management

Exhaust fans are installed to exhaust Hazardous gas. In chemistry laboratory, hazardous chemicals such as cyanides, borates, silicates and the toxic heavy metals viz., Lead (Pb), Arsenic, Antimony are not used.



### Exhaust fans fixed in the Chemistry Laboratories





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## VERMI COMPOST



**The garden waste and canteen waste are dumped into the pit.**

**The manure segregated is utilized in the campus for gardening.**