

AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL, KALABURAGI

Affiliated to Rajiv Gandhi University of Health Sciences Bangalore & Recognized by Dental Council of India (New Delhi)

SOLID AND BIOMEDICAL WASTE MANAGEMENT UNIT



STAFF INCHARGES FOR CENTRALIZED BIOMEDICAL WASTE MANAGEMENT

- 1. Dr. Mahesh Hiregoudar
- 2. Dr. Chaitanya Kothari
- 3. Mrs. Zakiya Sultana
- 4. Md Waseem Parvez

DEPARTMENT WISE INCHARGES FOR BIOMEDICAL WASTE MANAGEMENT

- a. Dr. Syeda Arshiya Ara, Dept Of Oral Medicine
- b. Dr. Chaitanya Kothari, Dept Of Oral Surgery
- c. Dr. Praveen Bankur, Dept Of Periodontics
- d. Dr. Janvati & Dr. Kiran Ghatole, Dept Of Conservative Dentistry And Endodontics
- e. Dr. Namira K, Dept Of Pedodontics
- f. Dr. Laeque B, Dept Of Orthodontics
- g. Dr. Parvez Abubakr, Dept Of Prosthodontics
- h. Dr. Mahesh Hiregouder, Dept Of Public Health Dentistry
- i. Dr. Deepa Hugar, Dept Of Oral Pathology And Microbiology

Al-Badar Rural Dental College & Hospital, KALABURAGI

AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL, KALABURAGI

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SOLID, LIQUID, BIOMEDICAL, HAZARDOUS AND E- WASTE MANAGEMENT

SOLID WASTE MANAGEMENT:

Segregation of solid waste based on colour code bags and treatment

Colour code	Category of waste	Treatment of waste		
RED	Oloves, catheter, saline bottle, blood infected gloves, lignocaine bottles	Chemical treatment, shredding and autoclaving a CHUBS, Kalaburagi		
YELLOW	Blood soaked cotton, gauge, plaster models, impression compound, modelling wax, green stick, sticky wax, shellac trays, old dentures, mouth masks, cotton gauzes	CHUBS, Kalaburagi		
BLUE/TRANSPARENT	Scalpels, burs, orthodontic wires, splinting and ligature wires, orthodontic brackets and wires, files, BP blade, needles, pipettes, metal crowns and ceramic crowns	CHUBS, Kalaburagi		
BLACK	Municipal waste like paper, plastic etc	Disposed at municipality directly		

LIQUID WASTE MANAGEMENT:

The entire liquid waste generated by the institution is treated in the STP plant in the campus of institute. Effluent treatment is done as per the norms of Karnataka pollution board.

BIOMEDICAL WASTE MANAGEMENT:

Biomedical waste is the waste that contains infectious materials. There is a biomedical waste management unit in Al Badar Rural Dental College And Hospital with a Memorandum of Understanding with CHUBS, Kalaburagi since 2020. All the departments have been provided with different colour code bags. The nursing staff, technicians and attenders have been educated and trained regarding segregation of wastes. Each day at the end of the college hours, the attenders transport the entire biomedical waste to the central collection unit. The same waste is collected thrice weekly by the biomedical waste van and is transported to the CHUBS, Kalaburagi The MOU is renewed every year with CHUBS, Kalaburagi and amount for collection and dispensing of biomedical waste is paid to the CHUBS, Kalaburagi.

PRINCIPAL

Al-Badar Rural Dental College

Near PDA Engg. College, Naganhalli Road, KALABURAGI - 585 102 - KARNATAKA - INDIA.

Phone: 08472 - 227610, 220222 - Fax: 229687 | albadar_glb@yahoo.com



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E WASTE MANAGEMENT:

The IT e-waste like printer cartridges, CPU's, mouse, keyboards are collected at the central store and is transported to M/s Adobe technologies, Kalaburagi for recycling and dismantling.

The electrical e-waste like electrical wires, UPS batteries are collected at the central store and is transported to M/s AB Power systems, Kalaburagi for recycling and dismantling.

HAZARDOUS AND RADIOACTIVE WASTE:

Al Badar Rural Dental College And Hospital, Kalaburagi is into agreement with Kiran radiographic center, Gulbarga and as part of the agreement Kiran radiographic center who supplies radiographic films and processing solutions to our college will only collect the waste material generated from after usage. The radiological and hazardous waste material such as used developers, fixer and lead foils thus generated is collected, transported and discarded as per appropriate guidelines by the Kiran radiographic center.

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AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL, KALABURAGI

The compact to Dental Council of code Council Date:

TRAINING TO THE STUDENT REGARDING MANAGEMENT OF BIOMEDICAL WASTE



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Al-Badar Rural stal Colle & Hospital, KALABURAG

Near PDA Engg. College, Naganhalli Road, KALABURAGI - 585 102 - KARNATAKA - INDIA.

Phone: 08472 - 227610, 220222 - Fax: 229687 | albadar glb@yahoo.com



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USE OF COLOUR CODED BAGS FOR DOFFING OFF BIOMEDICAL WASTE





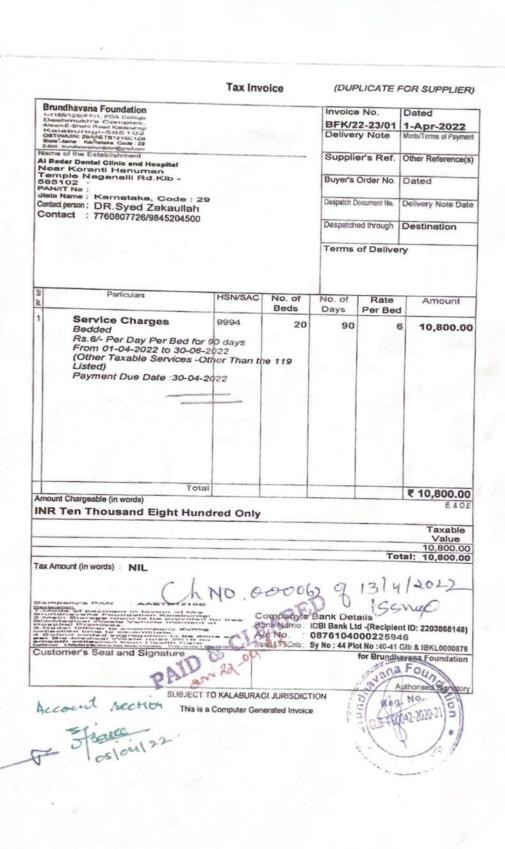


PRINCIPAL
Al-Badar Rural Dental Collego
& Hospital, KALABURAGI



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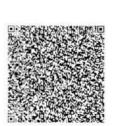
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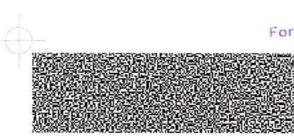
BRUNDHAVANA FOUNDATION GULBARGA

: AL BADAR DENTAL COLLEGE AND HOSPITAL GULBARGA

100

(One Hundred only)





For: Mahila Souharda Sahakarı Niyamita, Kalaburagi

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in case of any discrepancy please inform the Competent Authority

MEMORANDUM OF UNDERSTANDING

WHEREAS the M/S BRUNDHAVANA FOUNDATION KALABURAGI, with trust registration No: GLB-4-00042-2020-21, a registered Society under the Registration of Societies Act 1860 (Hereinafter referred to as the Foundation) is desirous of carrying out programs in the areas of urban waste and Hospital waste management and have set up a Common Healthcare Urban Waste And Bio-Medical Waste Management Solution (CHUBS) which has been authorized by Karnataka State Pollution Control Board, Government of Karnataka.

AND WHEREAS AL BADAR DENTAL COLLEGE AND HOSPITAL, KALABURAGI is an Individual Health Care Establishment (Hereinafter referred to as HCE's) acting through PRINCIPAL with 20 number of beds has agreed to avail the services of the Common Healthcare Urban Waste and Bio-Medical Waste Management Solution (CHUBS) set up by the above said Foundation.

AND WHEREAS the Foundation would be making necessary arrangement to manage the plant, machineries and dispose the Waste as envisaged under the relevant rules for handling and management of Bio Medical Waste generated by the hospitals in general.

Both the parties agree to work together in the field of Hospital Waste Management as under:

TERMS OF REFERENCE:

Responsibilities of the Occupier of Healthcare Establishment (HCE)

- 1. To obtain authorization from the Karnataka State Pollution Control Board (KSPCB) with service afforded actual number of beds in their HCE's.
- To segregate waste at the point of generation in accordance with Schedule I & II of the Bio-Medical Waste Management Rules, 2016 and designated color coded bags, bar coded which are to be procured from M/s Brundhavana Foundation only. On site segregation and storage should be according to standards prescribed.
- 3. To establish secured waste collection site for storage within the HCE's before handing over to the waste collector of CHUBS. Large bins or trolleys from storage area to the transport vehicle would have to be arranged by the HCE's. The waste storage room should be easily accessible for lifting the waste.

PRINCIPAL.
Al-Badar Rural Dental College
& Hospital Gulbarga.



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- 4. To ensure that the waste is handled without causing health hazards to human health and the Environment
- 5. To furnish annual reports regarding generation, collection, storage, transportation and disposal of Bio-Medical Wastes in the prescribed format to the prescribed authority.
- 6. To designate a Nodal Officer responsible for interacting with CHUBS and KSPCB.
- 7. To disinfect sharp materials and mutilate them or at least hand them over in a puncture proof and secure container for mutilation and sterilization at the site. Puncture proof equipment's to be purchased from CHUBS only.
- 8. To use appropriate bags and bins for segregation, collection and storage of Bio-Medical Waste using prescribed color codes, along with barcodes before handing over to the CHUBS representatives for treatment. These bags would have to be provided by the CHUBS only at the cost of HCE's.
- Regular payment of service charges will be the responsibility of the HCE's. The
 HCE's would have to make the arrangements for the payment of the service charges
 along with the applicable taxes to the authorized person of the CHUBS.
- 10. On time payment of service charges will be the responsibility of the HCE's. The HCE's will have to make the arrangements for the payments of the service charge to the authorized Person of CHUBS in the form of DD only drawn in Favor of M/s BRUNDHAVANA FOUNDATION, KALABURAGI -02.

Services to be provided by the CHUBS:

- 1. To schedule the collection timings and mode in consultation with the HCE's but within a reasonable range of time.
- The CHUBS representatives would arrange to collect the segregated Bio-Medical Waste from specific locations meant for storage of Bio-Medical Waste of each of the HCE's with whom this MOU is being signed.
- The CHUBS will be responsible for the safe transport of the Bio Medical Waste from the HCE's to the common facility in accordance with the Bio Medical Waste Management (Bio Medical Waste Management) Rules, 2016.
- Appropriate treatment and disposal of different categories of waste would be carried out by CHUBS in accordance with the Bio Medical Waste Management Rules, 2016 and time to time amendments.

PRINCIPAL
Al-Badar Rural Dental College
& Hospital Gulbarga.

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- Monitoring and ensuring complete disinfection/sterilization of the wastes in accordance with the Bio Medical Waste Management Rules will be carried out in collaboration with the Karnataka State Pollution Control Board (KSPCB) at Kalaburagi.
- 6. A liquid effluent treatment plant to treat the liquid wastes emanating from the HCE Could be established and operated in accordance with the Environment Protection Act (EPA) 1986. Brundhavana foundation would help in designing and constructing of the ETP suitable for the HCE at the sole cost of HCE only.
- 7. The collected waste material would be checked periodically for segregation, labeling etc., and suggestions would be given for improvement to the HCE's, which the HCE's must implement.
- 8. Appropriate timely training will be provided by the CHUBS to the HCE personnel for segregation, transport to the facility vehicle, storage etc. as and when sought by the HCE administration. The HCE shall cooperate and accommodate the suggestions given during training and incorporate them in their practices in the spirit of co-operation and goodwill and to comply with Bio Medical Waste Management Rules 2016.
- 9. Waste audit and quantification will be carried out at the individual HCEs by CHUBS from time to time, which will be submitted to the Hospital Administrator/Medical Superintendent of the HCEs with a Copy to the Karnataka State Pollution Control Board. The HCE should co-operate and facilitate the same as in enumerating the beds.
- 10. Consent for operation and authorization by Karnataka State Pollution Control Board for the facility will be obtained by the CHUBS and regularly renewed.
- 11. Certificate for the proper transport vehicle will be procured by the CHUBS.
- 12. The CHUBS will collect the Bio Medical Waste from the HCE's having valid authorization of Karnataka State Pollution Control Board.

JOINT PROCEDURE ORDER:

CHUBS will collect, transport, store, treat and dispose the different wastes in accordance with the Bio-Medical Waste Management Rules 2016 and will avoid becoming liable for improper treatment or disposal. The HCE's giving their wastes to the CHUBS if willing to check then need to take prior written approval and then will have the right to enter and inspect the site to ensure the above





Emergency Contingency Plan:

In case of failure by CHUBS authorized person to the collect waste for more than 48 hours from the designated time of collection from the HCE, representative of CHUBS and the KSPCB will be informed by the HCE. CHUBS will collect the waste from the HCEs 6 days in the week (excluding Sundays).

Collection of waste may not be undertaken on major holidays declared by Government. CHUBS will intimate the HCEs about the non collection days every quarter. CHUBS will not undertake collection of waste in the case of strike, lockout, closer or riots in the city and any other such conditions beyond its control.

In case there is disruption of services either in the collection, transportation, storage such as breakdown at the treatment and disposal site, alternative temporary arrangements will be made for disposable of the waste.

This MOU is made to obtain authorization from Karnataka State Pollution Control Board and the Bio Medical Waste will be collected from HCE's only upon submission of the valid authorization.

Mode of Payment:

A payment of Rs.6.00 per bed per day will be paid in advance by the bedded HCE's Every quarter. The payment will be collected every quarter and will have to be given by the HCE's to the authorized person from CHUBS in the first week of the month of that quarter for which the waste collection is going on. HCE's will have to make arrangements for the timely payment of the service charge which includes transportation cost along with the applicable taxes to the authorized person of CHUBS only in the form of DD drawn in Favor of M/s BRUNDHAVANA FOUNDATION, KALABURAGI.

In case of constant delay in payment or non-payment by the HCE for more than 15 days of the deadline stipulated in the above Para, the CHUBS will stop the Collection of Bio Medical Waste and MOU will be cancelled and the HCE name will be informed to the Karnataka State Pollution Control Board to take further action against the HCE under Bio Medical Waste Management Rules, 2016.

The above said rate is applicable to the HCEs till next rate revision. After rate revision, New rates will be applicable to all Government and private bedded, Non-bedded HCEs of entire Kalaburagi.

PRINCIPAL

al-Abdar Rufal Dental College

& Hospital Gulbarga.



Validity of the MoU:

This MOU is valid till next rate revision.

Dispute resolution:

In case of any dispute between or among the parties hereto regarding any of the clauses of this MoU, the matter shall be referred to arbitration of such person(s) as CHUBS may decide and the same shall be decided in accordance with the provisions of the Indian Arbitration Act in force.

This agreement is subject to the jurisdiction of Courts in Kalaburagi.

In case of transgression or any other reason of akin nature whatsoever, the parties shall discuss the same among themselves in the spirit in which this MoU is signed rather than attempting to revoke the penal provisions.

Enforcement of this agreement will be from Dated: 14-10-2020 onwards

Place: Kalaburagi. Date: 09/02/2022

For and On Behalf of AL BADAR DENTAL COLLEGE AND HOSPITAL, KALABURAGI.

PRINCIPAL
Al-Badar Rural Dental College

Authorized Signatory and Seal

For and On Behalf of M/s Brundhavana Foundation



Authorized Signatory and Seal



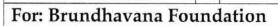


BRUNDHAVANA FOUNDATION

Authorized By KSPCB, Government of Karnataka

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Certificate No:	:	BFK/BD/35/2022-2023	
Name of the Establishment	:	AL BADAR DENTAL COLLEGE AND HOSPITAL.	
Name of the Establisher	:	PRINCIPAL	
Address of the establishment	:	NAGANHALLI ROAD KORANTI TEMPLE KALABURGI-585102.	HANUMAN

Type of Establishment No of beds: **HCE** 20





Renewal Details

Types of	Number	Renewal	Date	Authorized
Establishment	of Beds	Year		Signature
	Types of Establishment	Types of Establishment of Beds		



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AB POWER SYSTEMS KALABURAGI

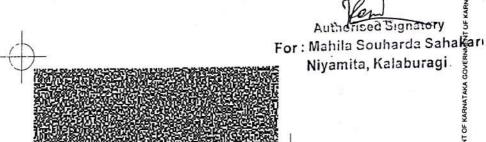
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MEMORANDUM OF UNDERSTANDING

BETWEEN AL-BADAR DENTAL COLLEGE & HOSPITAL AND M/s AB POWER SYSTEMS

(e- waste management services agreement)

This demorandum of Understanding [MOU] is entered into between Al Badar Dental offer And Hospital, Gulbarga and M/s AB Power systems, Gulbarga for management and

ege campus and to cantling/ disposal of all our e-waste in order to protect the conserve our natural and human resources.

Any discrepancy in the details on this Certificate and as available on 2. The onus of checking the legitimacy is on the users of the certificate. 3. In case of any discrepancy please inform the Competent Authority.

Al-Badar Rural Dental College & Hospital, KALABURAGI

This agreement is for the period of 5 years, after the expiry of 5 years the agreement shall either be renewed or enter into a new agreement with M/s AB Power systems, Gulbarga.

Defined terms of e-waste in this contract, the term e-waste is defined as electrical and electronic equipment, whole or in part discarded as waste that have become unwanted, non working or obsolete and have essentially reached the end of their useful life.

Please find below details of write off electrical assets

1. UPS and batteries -Non Working

For the purpose of this agreement, the term e-waste management services is the service that is provided by contractor (M/s AB Power systems) as directed by Al Badar Dental College And Hospital, including the handling. The rates as agreed between both the parties will be applicable.

The compensation of breach of this agreement will be as per the provisions of the Indian contract act 1872.

Mutually agreed between Al Badar Dental College And Hospital and M/s AB Power systems.

M/S AB POWER SYSTEM

Noor complex, Opp Canara Bank, Station bazaar branch, MSK mill road,

Near Govt printing press, Gulbarga

5/30/19/11/2021

Principal,

Al-Badar Dental college & Hospital

Dr. SYED ZAKAULLAH PRINCIPAL & DEAN AI-Badar Dental College, KALABURAGI

Witness:

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2/11/2021

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MEMORANDUM OF UNDERSTANDING

BETWEEN AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL AND

KIRAN RADIOGRAPHIC CENTRE

This Memorandum of Understanding [MOU] is entered on into between Al-Badar Rural Dental College & Hospital, Kalaburagi and Kiran Radiographic Centre, Kalaburagi.

As part of the agreement, Kiran Radiographic Centre, Kalaburagi who supply radiographic films and processing solutions to Al-Badar Dental College & Hospital, will only collect the waste material generated from these after usage. The waste material thus generated will be collected, transported and discarded according to appropriate guidelines.

For the purpose of this agreement, the term "waste material" shall mean any and all radiological waste such as used developer, fixer and lead foils etc.

This memorandum of understanding is valid for a period of five years from the date of signature and may be renewed with mutual agreement.

KIRAN RADIOGR

Biddapure Colony, Afzalput

Kalaburagi

Al-Badar Dental college & Hospital

Al-Badar Rural Dental College & Hospital, KALABURAGI

Witness: Dr. Syed Shakbay

Al-Badar Rural Dental College & Hospital, KALABURAGI



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Second Party

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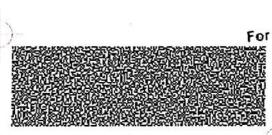
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For : Mahila Souharda Sahakari Niyamita, Kalaburagi.

Please write or type below this line

MEMORANDUM OF UNDERSTANDING

BETWEEN AL-BADAR RURAL DENTAL COLLEGE & HOSPITAL AND

M/S ADOBE TECHNOLOGIES

This Memorandum of Understanding [MOU] is entered into between Al-Badar Rural Dental College & Hospital, Gulbarga and M/s Adobe Technologies, Gulbarga for management and dismantling/ disposal of all our e -waste in order to protect the College campus and to

conserve our natural and human resources.

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Al-Badar Rural Dental College e App of Stor Hospital, KALABURAGI

This agreement is for the period of 5 years, after the expiry of 5 years the agreement shall either be renewed or enter into a new agreement with M/s Adobe technologies.

Defined terms of e-waste in this contract, the term e-waste is defined as electrical and electronic equipment, whole or in part discarded as waste that have become unwanted, non working or obsolete and have essentially reached the end of their useful life.

Please find below details of write off IT assets

- 1. Old Computers- Absolute Model Without Hard Disks
- 2. CRT Monitor- Absolute Model
- 3. Printer Cartridge-Empty Cartridges
- 4. Printers- Non Working
- 5. Key Board And Mouse -Non Working

For the purpose of this agreement, the term e waste management services is the service that is provided by contractor (M/s Adobe Technologies) as directed by Al Badar Dental College And Hospital, including the handling. The rates as agreed between both the parties will be applicable.

The compensation of breach of this agreement will be as per the provisions of the Indian contract act 1872.

Mutually agreed between Al-Badar Dental College And Hospital and M/s Adobe

Technologies.

M/S ADOBE TECHNOLOGIES

2nd Floor, 79, Super Market

Gulbarga

Principal,

Al-Badar Dental college & Hospital

PRINCIPAL Al-Badar Rura , ental College & Hospital, GULBARGA

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