



ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
Karnataka State Pollution Control Board

"ಪರಿಸರ ಭವನ", 1 ರಿಂದ 5ನೇ ಮಹಡಿಗಳು, ಸಂ. 49, ಚರ್ಚ್ ಸ್ಟ್ರೀಟ್, ಬೆಂಗಳೂರು - 560 001, ಕರ್ನಾಟಕ ರಾಜ್ಯ, ಭಾರತ
 "Parisara Bhavan", 1st to 5th Floor, # 49, Church Street, Bangalore - 560 001, Karnataka State, India

1865

FORM -III
 (See rule 10)
 AUTHORISATION

30 JUL 2021

(Authorisation for operating a facility for Collection, Transportation, Treatment or processing or conversion, Disposal or destruction use offering for sale, transfer of biomedical wastes)

1. File number of authorisation and date of issue NO. PCB/27/BMW-12 dated:

2. M/s.Prajwal BMW Management Systems., (A unit of VV Incin Solutions Pvt Ltd) , an occupier or operator is located at Plot No.56, Gouribidanur, KIADB Industrial Area, Gouribidanur Taluk, Chikkaballapura -reg is hereby granted an authorisation for;

| | |
|---|-------------------------------------|
| Activity | Please tick: |
| Generation, segregation | <input checked="" type="checkbox"/> |
| Collection, | <input checked="" type="checkbox"/> |
| Storage | <input checked="" type="checkbox"/> |
| Packaging | <input type="checkbox"/> |
| Reception | <input checked="" type="checkbox"/> |
| Transportation | <input checked="" type="checkbox"/> |
| Treatment or processing or conversion | <input checked="" type="checkbox"/> |
| Recycling | <input type="checkbox"/> |
| Disposal or destruction use offering for sale, transfer | <input checked="" type="checkbox"/> |
| Any other form of handling | <input type="checkbox"/> |



3. M/s. Prajwal BMW Management Systems., (A unit of VV Incin Solutions Pvt Ltd), Plot No.56, Gouribidanur, KIADB Industrial Area, Gouribidanur Taluk, Chikkaballapura is hereby authorized for handling of biomedical waste as per the capacity given below;

- (i) Number of HCF covered by CBMWTF : To be intimated every month
- (ii) Installed treatment and disposal Capacity: 200 Kg/hr
- (iii) Area or distance covered by CBMWTF : Karnataka State.
- (iv) Quantity of Bio Medical Waste handled, treated or disposed: 200 Kg/hr

TRUE COPY ATTESTED BY ME
[Signature]
 H.K. GOPALAGOWDA, MAJIB
 ADVOCATE & NOTARY PUBLIC
 GOVT. OF INDIA
 Hennur, Hesaraghatta Hob
 Bangalore North - 561 202

| Type of Waste Category | Quantity |
|------------------------|-----------|
| Yellow | 200 Kg/hr |
| Red | |
| White | |
| Blue | |

4. This authorisation shall be in force for a period from 01.07.2021 to 30.06.2026 from the date of issue.

5. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Date
 Place: Bangalore

NAAC CO-ORDINATOR Approved
 Sri Devaraj Urs College
 By Member Secretary

Principal
 Sri Devaraj Urs College of Nursing
 Tamara, Belar-563103
 MEMBER-SECRETARY
 KSPCB

Self attested
[Signature]

To,
The Occupier,
M/s. Prajwal BMW Management Systems., (A unit of VV Incin Solutions Pvt Ltd).
Plot No.56, Gouribidanur, KIADB Industrial Area,
Gouribidanur Taluk,
Chikkaballapura

*Self attested
Pds*



Principal
The College of Nursing
Chikkaballapura

Principal
The College of Nursing
Chikkaballapura



SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH
(A DEEMED TO BE UNIVERSITY)

Constituent unit of Sri Devaraj Urs Educational Trust for Backward Classes (Regd.)
Declared under Section 3 of UGC Act, 1956, MHRD GOI No.P.9-36/2006-U.3(A) Dt. 25th May 2007
Post Box No. 62, Tamaka, Kolar - 563 103, Karnataka, INDIA

Ph: 08152- 243003,9448395232 Fax : 08152 - 243008 E-mail - registrar@sduaher.ac.in/office@sduaher.ac.in Website: www.sduaher.ac

No.SDUAHER/KLR/PUR/ 561 / 2022-23

purchasesection@sduaher.ac.in

Date : 09/11/2022

To,
M/s. SRI CHOWDESHWARI MAN POWER SERVICES
Nukkahanahalli Village & Post, Holur Hobli Kolar Taluk,
Kolar District - 563101. Mobile: - 9448037454 Email: - ragur5330@gmail.com

Sub: Renewal of Service Agreement for Collection and disposal of Domestic Waste @ Entire SDUAHER campus & Housing layout.

SERVICE ORDER

1. The Sri Devaraj Urs Academy of Higher Education and Research, Kolar is pleased to issue the Service Maintenance Contract for Collection and disposal of Domestic Waste @ Entire SDUAHER campus & Housing layout.
2. The details are:-

| SL No | Description | Period | Per Month Charges | |
|--|---|--------------------------------|-------------------|---------|
| 1 | Cleaning Collection and Transportations and disposal of Domestic waste @ Entire campus. | 01/10/2022 To 31/12/2022 | RS | 347,461 |
| TOTAL - Inclusive of all statutory levies. (Rupees Three lakhs forty seven thousand four hundred sixty one only). | | | | 347,461 |

3. The firm has to follow the following points for employees.
 - a) The firm has to submit the Approval letter issued by the Govt. authorities with regards to registration.
 - b) wages to be paid as per apprenticeship.
 - c) KSVCE Registration certificate (copy to be given)
 - d) Salary shall be distributed through bank only.
 - e) Work allotment - Municipal waste clearance.
 - f) Suitable transport for disposal of waste.
 - g) Personal Protection Equipment's and other facilities shall be provided to all the personal deployed at SDUAHER campus by the firm
 - I. Uniforms (Over Coat)
 - II. Hand Gloves Latex.
 - III. Cap & Masks.
 - IV. Slippers covering toes.
 - V. Washing materials like > Soap and liquid , Hand wash.
 - VI. Drinking water, Rest room /changing room to be provided by SDUAHER.
 - h) The firm has to provide Cleaning materials like > Brooms , Dust pan, Dust bins, Waste Carrying covers, Drain scrapper , Cleaning machines.
 - i) The firm has to provide Cleaning agents like; - Phenol, Bleaching powder.

P.T.O...

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing

Principal
Sri Devaraj Urs College of Nursing



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Post Box No. 62, Tamaka, Kolar - 563 103, Karnataka, INDIA

Tel: 08152- 243003,9448395232 Fax : 08152 - 243008 E-mail - registrar@sduaher.ac.in/office@sduaher.ac.in Website: www.sduaher.ac

No.SDUAHER/KLR/PUR/ *S61* / 2022-23

purchasesection@sduaher.ac.in

Date : 09/11/2022.

To,
M/s. SRI CHOWDESHWARI MAN POWER SERVICES
Nukkahanahalli Village & Post, Holur Hobli Kolar Taluk,
Kolar District - 563101. Mobile:- 9448037454 Email:- ragur833@gmail.com

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 - f) Suitable transport for disposal of waste.
 - g) Personal Protection Equipment's and other facilities shall be provided to all the personal deployed at SDUAHER campus by the firm
 - I. Uniforms (Over Coat)
 - II. Hand Gloves Latex.
 - III. Cap & Masks.
 - IV. Slippers covering toes.
 - V. Washing materials like -> Soap and liquid , Hand wash.
 - VI. Drinking water, Rest room /changing room to be provided by SDUAHER.
 - h) The firm has to provide Cleaning materials like -> Brooms , Dust pan, Dust bins, Waste Carrying covers, Drain scrapper , Cleaning machines.
 - i) The firm has to provide Cleaning agents like: - Phenol, Bleaching powder.

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NAAC CO-ORDINATOR

[Signature]
Principal

Sri Devaraj Urs College of Nursing

P.T.O...



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(A DEEMED TO BE UNIVERSITY)

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Post Box No. 62, Tamaka, Kolar - 563 103, Karnataka, INDIA

Ph: 08152- 243003,9448395232 Fax : 08152 - 243008 E-mail - registrar@sduaher.ac.in/ office@sduaher.ac.in Website: www.

No. SDUAHER/KLR/PUR/ *546* /2022-23 purchasesection@sduaher.ac.in Date:- 22/07/2022

To,
M/s Swadesh Recyclers LLP
No 218, KIADB Industrial Area, Koorandahalli,
Malur, Taluk, Kolar District 400093
Mobile - 741002968 GSTIN - 29AEHFS7883E1ZG
Email: info@swadeshrecyclers.com

Sub:- Disposal of Biomedical waste Hazardous waste (Batteries), E-waste and other waste (Metal) at RLJH & RC and SDUAHER Campus.

Ref - Reference No. 0086/01 Dt: 24/06/2022

SERVICE ORDER

1. The Academy is placing the service order of Disposal the Biomedical waste Hazardous waste (Batteries), E-waste and other waste (Metal) at RLJH & RC and SDUAHER Campus.

2. The commercial details as under:-

| SL.NO. | Description | UOM | | PRICE PER KG | |
|--------|-----------------|-----|----|--------------|----|
| 1 | E- WASTE | PER | KG | RS | 40 |
| 2 | OTHER WASTE | PER | KG | RS | 28 |
| 3 | HAZARDOUS WASTE | PER | KG | RS | 35 |

3. Terms and Conditions:-

- The above mentioned price is inclusive of all Taxes.
- Payment will be release on weighment.
- Scrap materials should to be cleared within 7 working days.
- Contract Period: One year.
- Other clauses will be applicable as per the MOU.
- In consultation with head of the department of Infrastructure, Projects Maintenance & Allied Services.
- SDUAHER account details as under

| | |
|---------------------|---|
| Account Holder Name | Sri Devaraj Urs Academy of Higher Education & Research. |
| Account No. | 221010022675 |
| Name of the Bank | KOTAK MAHINDRA |
| Branch Name | SDUMC, TAMAKA, KOLAR |
| IFSC CODE | KKBK0008269 |

Mohammed Saqib
7411002968

Services related to entire

AAAR-2
[Signature]
NAAC COORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103

[Signature]
Principal/General Manager (SCM)
Sri Devaraj Urs College of Nursing
Sri Devaraj Urs Academy of

[Signature]
26/7/22

भारत सरकार
परमाणु ऊर्जा नियामक परिषद्
विकिरण सुरक्षा प्रभाग



GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD
RADIOLOGICAL SAFETY DIVISION

Case File Number : KT-00018-RF-TR-REG

Date of Issue: 26/04/2022

Document Number: 22-TRBEG-768157

Valid Till : 25/04/2023

No Objection Certificate (NOC) for export of radioactive material to The Netherlands

This refers to your Application No: 22-909005, dated: 26/04/2022 regarding NOC for export of the radioactive material as described below from R. L. Jalappa Hospital & Research Centre, Kolar to CURIUM NETHERLANDS B.V, The Netherlands

| Radioisotope | Activity as on 26/04/2022 | Specification |
|--------------|---------------------------|-----------------------------------|
| Ir-192 | 0.561950368 Ci | Remote Afterloading Brachytherapy |

In exercise of powers conferred under section 16 of the Atomic Energy Act, 1962 read in conjunction with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, promulgated under the said Act, the Atomic Energy Regulatory Board (AERB) has no objection from radiological safety stand point to export the above-specified radioactive material(s) by you. This NOC is subject to the condition that: The package for export is prepared packed, labeled, and marked as per the current applicable national/international regulations for the safe transport of radioactive material. In case need arises, the radioactive material (s) may be stored temporarily at the authorised warehouse of local supplier prior to its export. All the required statutory clearances, if any, should be obtained from relevant authority(ies).

Kindly inform this Division about the actual date of export of the above-mentioned source(s).

(Shri R. K. Singh),
Head, IAS, RSD

DR. S R SHEELA
R. L. JALAPPA HOSPITAL & RESEARCH CENTRE
(ATTACHED SRI DEVARAJ URS MEDICAL COLLEGE), TAMAKA,
KOLAR, KARNATAKA-563101

CC: MEDICAL SUPERINTENDENT, R. L. JALAPPA HOSPITAL & RESEARCH CENTRE, KOLAR

AGAR-11

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103

Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103



भारत सरकार
परमाणु ऊर्जा नियामक परिषद्
विकिरण सुरक्षा प्रभाग



GOVERNMENT OF INDIA
ATOMIC ENERGY REGULATORY BOARD
RADIOLOGICAL SAFETY DIVISION

Case File Number : KT-00018-RF-TR-REG

Date of Issue: 03/06/2021

Document Number: 21-TRREG-625368

Valid Till : 02/06/2022

No Objection Certificate (NOC) for export of radioactive material to The Netherlands.

This refers to your Application No: 21-741541, dated:28/05/2021 regarding NOC for export of the radioactive material as described below from R. L. Jalappa Hospital & Research Centre,Kolar to CURIUM NETHERLANDS B.V,The Netherlands

| Radioisotope | Activity as on 28/05/2021 | Specification |
|--------------|---------------------------|-----------------------------------|
| Ir-192 | 0.005741655 Ci | Remote Afterloading Brachytherapy |

In exercise of powers conferred under section 16 of the Atomic Energy Act, 1962 read in conjunction with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, promulgated under the said Act, the Atomic Energy Regulatory Board (AERB) has no objection from radiological safety stand point to export the above-specified radioactive material(s) by you. This NOC is subject to the condition that: The package for export is prepared packed, labeled, and marked as per the current applicable national/international regulations for the safe transport of radioactive material. In case need arises, the radioactive material (s) may be stored temporarily at the authorised warehouse of local supplier prior to its export. All the required statutory clearances, if any, should be obtained from relevant authority(ies).

Kindly inform this Division about the actual date of export of the above-mentioned source(s).

(Shri R. K. Singh),
Head, IAS,RSD

DR. S.M.AZEEM MOHIYUDDIN
R. L. JALAPPA HOSPITAL & RESEARCH CENTRE
(ATTACHED SRI DEVARAJ URS MEDICAL COLLEGE),, TAMAKA,
KOLAR, KARNATAKA-563101


CC: MEDICAL SUPERINTENDENT, R. L. JALAPPA HOSPITAL & RESEARCH CENTRE, KOLAR

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103

Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103



परमाणु ऊर्जा नियामक परिषद्, नियामक भवन, अणुसंश्लिष्टनगर, मुंबई 400094 (महाराष्ट्र)
Atomic Energy Regulatory Board, Nyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)

| | | |
|---|---|---|
|  | R. L. JALAPPA HOSPITAL AND RESEARCH CENTRE TAMAKA KOLAR-563103 | |
| | Imaging Services Manual | |
| Document No: RLJH/TSM -016 | Issue no: 03 | Issue Date: 15 July 2020 |
| | Revision no:03 | Revision Date: July 15 th 2021 |
| Title of the Document | AAC 11 a-g SOP for -Radiation Safety & Programme in Imaging Services | |

RLJH&RC will develop, maintain, and implement written procedures to establish the minimum content of the Radiation Safety Training Program in accordance with the applicable requirements of AERB's Acts and regulations.

7.4 Specific Training

7.4.1 Training on Implementing Procedures

The corresponding department is responsible for ensuring that all individuals following the appropriate implementing procedures be trained with respect to those procedures.

7.4.2 Training on Emergency Procedures

Emergency procedures will be posted in each radioactive materials use and storage area. The respective department is responsible for ensuring that all individuals that may need to follow the emergency procedures be trained with respect to those procedures. Training on emergency procedures is also included in the Radiation Safety Training course. Such training will be documented.

CHAPTER – 8 RADIOACTIVE WASTE DISPOSAL

8.1 Radioactive Waste

Material, whatever its physical form, left over from practices or interventions for which no further use is foreseen: (a) that contains or is contaminated with radioactive substances and has an activity or activity concentration higher than the level for clearance from regulatory requirements, and

(b) exposure to which is not excluded from regulatory control.

8.1.1 Management of spent radioactive sources and radioactive waste arising from the use of radionuclides in medicine including decommissioning of such facilities

Radionuclides, in the form of sealed and unsealed sources, are extensively used in medicine, industry, agriculture, research and various other applications. Such applications could result in generation of significant quantities of solid and liquid wastes and occasionally gaseous wastes. Much of the solid waste consists of contaminated items, such as paper, plastics, glassware, equipment, animal carcasses, excreta and other biological waste. Some of the solid wastes may have considerable activity and small volumes as in the case of spent sealed sources.

However, in applications, which involve long-lived radionuclides, an appropriate waste management programme should be in place prior to the start of the work with radionuclides.

8.1.2 Principles and philosophy of radioactive waste management

Applications of these principles will ensure adequate safety in the management of radioactive waste.

DRPR-11

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103


Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103



| | | |
|----------------------------|--|---|
| Document No: RLJH/RSM -036 | Issue no: 03 | Issue Date: 15 July 2020 |
| | Revision no:03 | Revision Date: July 15 th 2021 |
| Title of the Document | AAC 11 a-g SOP for -Radiation Safety & Programme in Imaging Services | |

These principles are:

Principle 1: Protection of Human Health and Environment

Radioactive waste shall be managed in such a way as to provide an acceptable level of protection for human health and the environment.

Principle 2: Concern for Future Generations

Radioactive waste shall be managed in such a way that it will not impose undue burden on future generations and its predicted impact on the health of future generations will not be greater than relevant levels of impact that are acceptable today.

Principle 3: Establishing Legal Framework

Radioactive waste shall be managed within an appropriate legal framework including clear allocation of responsibilities and provision for independent regulatory functions.

Principle 4: Waste Minimisation, Management Interdependency and Safety of Facilities

Generation of radioactive waste shall be kept to the minimum practicable. Interdependency among all steps in radioactive waste generation and management shall be taken into account. The safety of facilities for radioactive waste management shall be assured during their lifetime.

8.2 Decommissioning of radiation facilities

8.2.1 General

The term decommissioning refers to set of actions taken at the end of the useful life of a particular facility, or when a facility ceases to be utilised for its intended purpose. The facilities using radioactive materials and sources for medical, industrial and research purposes may require to be decommissioned for any of the above reasons. Decommissioning needs to be carried out in a systematic manner to ensure safety of the workers, environment and public. The decommissioning process involves removal of radioactive materials and sources, decontamination and dismantling, subsequent waste management, final radiation survey and release of the facility for unrestricted use and documentation. The duration of decommissioning depends on the type of facility, radionuclide inventory, the chosen decommissioning approach and the techniques employed. This could range from a few weeks in case of small laboratories to a few years for certain large facilities.

8.2.1 Planning

8.2.1.1 Decommissioning plan should be commensurate with the type and complexity of the facility. This plan may comprise of three phases: initial, ongoing and final. The authorised user institution is responsible for the safety of the facility during the decommissioning operations.

8.2.1.2 Initial decommissioning plan should be prepared and submitted to AERB by the authorised user institution in support of the license application for the construction of the facility.



| | | |
|----------------------------|--|---|
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The plan should describe the preferred decommissioning option, technology to be adopted and management of resultant waste. The plan should address provision of financial resources and their availability.

8.2.1.3 Ongoing planning should comprise review of the initial plan with respect to technological developments, operating history of the facility and amendments in regulatory requirements.

8.2.1.4 The final plan should take into account a thorough safety analysis of the decommissioning operation; identify emergency preparedness actions and relevant protective measures to mitigate the consequences.

8.2.1.5 Before any decommissioning strategy is undertaken or a technique is selected, an evaluation of its effectiveness should be performed. This evaluation should include:

- (a) estimated doses to the workers;
- (b) effectiveness of the technique;
- (c) consideration of possible generation of aerosols;
- (d) estimation of volume reduction;
- (e) any possible on-site and off-site consequences as a result of decontamination/decommissioning activity;
- (f) generation of solid and liquid waste, their characterization, treatment and conditioning and disposal;
- (g) non- radiological hazards;
- (h) additional radiation protection measures needed; and
- (i) resources required.

8.3 Regulatory Requirements

The user institution should get the decommissioning plan approved by AERB. The decommissioning plan should specify the provisions for handling emergency situations such as any accidents during the decommissioning process, power failure, fire, failure of equipment, and spillage of radioactive materials. The authorised user institution should communicate with AERB through reports submitted at various stages of decommissioning and also in case of any abnormal situation during the entire operation, which may have radiological safety implications. A detailed report should be submitted to AERB on completion of the decommissioning operation including the details of radionuclide inventory, effluent discharges and radiation survey of areas where sources and materials were handled during decommissioning.

8.4 Source Removal

The removal of the radioactive sources will normally result in a significant reduction of the radiation hazards. Decommissioning of the facility containing sealed radioactive sources for use in medicine, industry and research starts with the proposed shutdown of the unit. The first step after obtaining necessary permission from AERB should be to remove all possible radioactive



R. L. JALAPPA HOSPITAL AND RESEARCH CENTRE TAMAKA KOLAR-563103

Radiation Safety & Programme Manual

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sources from the facility and to store them in approved temporary locations till they are finally disposed.

8.5 Decontamination and Dismantling

8.5.1 Decontamination refers to the removal or reduction of radioactive contamination on materials, items, buildings, and areas of the facility. Decontamination may lead to minimisation of the volume of material that should be disposed off as radioactive waste. Work surfaces, handling tools, laboratory equipment and certain areas of the facility wherein radioactive sources were handled, should be decontaminated with suitable techniques and agents.

8.5.2 The applicability of decontamination techniques depends on availability of suitable decontamination agents, disposability of the agents, availability of infrastructure to treat the secondary waste generated, and safety of the overall operation.

8.5.3 Dismantling may facilitate decontamination. During dismantling, provision should be made for:

- reduction in size of the objects/components using suitable remote and direct handling tools to facilitate handling and decontamination;
- facilitating the access to radioactive sources or contaminated areas;
- segregation of contaminated and uncontaminated equipment structures and materials which will reduce the waste volume; and
- minimising the spread of contamination.

8.5.4 The requirements for appropriate monitoring in and around the vicinity of the facility should be specified in the decommissioning plan. All potential release points should be monitored. Off-site monitoring should be performed to demonstrate the adequacy of the control over the release of radioactive materials to the environment during decontamination or dismantling. Radiation survey should be performed before and after decontamination and the benefits/ risks of the decontamination should be presented in the final report of decommissioning.

8.6 Waste Management

8.6.1 A waste management plan, which is part of the decommissioning plan, should be developed giving consideration to the different categories of waste generated during decommissioning and to their safe management. The efficacy of the existing plan for management of radioactive waste should be assessed to suit its compatibility for managing the radioactive waste that may arise from decommissioning operations. Any additional provisions in terms of procedures, resources and equipment should be included.

8.6.2 Safe storage should be provided in the facility for the decommissioned waste to allow for decay or its transfer to the authorised waste manager after obtaining approval from the AERB.

8.6.3 A large part of the waste and the other materials arising during the decommissioning process may be sufficiently low in activity concentration for regulatory control to be wholly or

Principal



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partly removed. Some waste may be suitable for disposal in normal landfill sites while some materials, such as steel and concrete should be suitable for recycling or reuse outside the nuclear industry. Such waste or items should be recycled or disposed off in compliance with criteria established by the AERB.

8.7 Training

The management and staff involved in the decommissioning should have adequate knowledge of the procedures to be followed for the decommissioning operations and also to deal with any emergencies arising during the operation.

Necessary training should be arranged for the concerned staff before actual decommissioning operations are undertaken.

8.8 Report

On completion of decommissioning, a final report should be submitted to the AERB. The report should contain all the relevant details of the facility before and after decommissioning. These should include reason for decommissioning, procedures and tools used, radiation survey report, inventory of radioactive isotopes, the types of waste generated and their storage/disposal reports, abnormal events during decommissioning, lessons learnt and suggestions, if any.

CHAPTER - 9

RADIATION SAFETY RECORDS AND REPORTS

9.1 Radiation Safety Program Records

9.1.1 Purpose and Scope of Records Program

It is necessary to develop, process, distribute, and retain a variety of written and electronic records to demonstrate and assess the adequacy of the Radiation Safety Program.

9.2 Radiation Safety Program Reports

9.2.1 Purpose and Scope of Reports Program

Pertinent reports include notifications of incidents (e.g., overexposures), reports of loss of radioactive material, and reports of routine individual doses. While supporting information from other Departments is often necessary, generation and routing of these reports are generally the responsibilities of the Radiation Safety Officer.

CHAPTER - 10

RADIATION SAFETY AUDIT PROGRAM

10.1 Purpose of Radiation Safety Audits

A properly managed radiation safety program requires a comprehensive audit program to assess its effectiveness and user compliance. Types and frequencies of these audits depend on many factors such as the nature, quantity, and use of radioactive materials. RLJH&RC implements internal audits to assist radiation workers in maintaining a safe environment.



Office of the Chief Fire Officer, Bengaluru-East Zone
Karnataka Fire & Emergency Services
No. 04, Commissariat Road, Bengaluru-560 025.



No. 833/CFO/Bng-East/RFSCR/2022

Dated: 04-11-2022.

ANNEXURE-C

"C1 Hospitals and Sanatoria"
Group C, Institutional Buildings

To,
The Authorized signatory
R L Jallappa Hospital & Research Center,
Sy no - 148 & 156, Sduaher Campus,
Tamka, Ward No - 01,
Kolar Taluk & District - 563 103.

Sir,

- Sub:** Renew of "**Renewal Fire Safety Compliance report**" with respect to fire prevention, firefighting and evacuation measures maintained at "R L Jallappa Hospital & Research Center, Sy no - 148 & 156, Sduaher Campus, Tamka, Ward No - 01, Kolar Taluk & District - 563 103" - rog.
- Ref:** 1) This Office FSR No. 841/CFO/Bng-East/FSR/2019, Dt: 13/01/2020.
2) This office FSCR No. 782/CFO/Bng-East/FSR/2020, Dt: 01-10-2020.
3) This office RFSCR No. 1114/CFO/Bng-East/FSR/2021, Dt: 28-09-2021.
4) Your request letter Dated: 10/09/2022
5) Inspection Report No. 10/DFO/Kolar/FS/2022 Dt: 27-10-2022.

With reference to the above cited subject, as per reference (1) a conditional No Objection Certificate was issued wide reference (1) to the premises of "R L Jallappa Hospital & Research Center, Sy no - 148 & 156, Sduaher Campus, Tamka, Ward No - 01, Kolar Taluk & District - 563 103" with a condition to fulfill the recommendations and compliance the same, as per ref (2) the Fire Safety Compliance report and as per ref (3) the Renewal Fire Safety Compliance report was issued for the same.

With reference cited (4) above, the management of "R L Jallappa Hospital & Research Center" had requested for renew of the Renewal Fire Safety compliance report from our department. In this regard the District Fire Officer, Kolar Fire Station, Kolar has re-inspected on 27-10-2022 and submitted the report to renew the Renewal Fire Safety Compliance report.

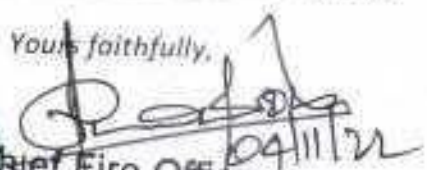
Under the above circumstance the Karnataka Fire & Emergency Services Department is renewing the "Renewal Fire Safety Compliance Report" to "R L Jallappa Hospital & Research Center, Sy no - 148 & 156, Sduaher Campus, Tamka, Ward No - 01, Kolar Taluk & District - 563 103" subject to proper maintenance of fire fighting installations in the good working conditions and comply the 40% employees/ staffs training part within 3 months from the date of issue this report. "**This report is valid for only one year from the date of issue and is renewable without fail.**"

Copy to:

1) The District Fire Officer, Kolar Fire Station.

2) The DGP & DG, KSFES, Bengaluru. **AQPR-21**

Yours faithfully,


Chief Fire Officer



**Consent For Operation
(CFO-Water)**

PCB ID: 26271

Consent No. W-101925
Valid upto: 31/12/2022

STP

Karnataka State Pollution Control Board
- Kolar
Plot No.14 'B' KIADB, Indi Area,
Bethamangala Road, Tamaka,
Kolar-563101
Tele : 9448456525

3 MAR 2016

(This document contains) 3 pages including annexure)

Consent Order No: W-101925

1354

Date: 03/03/2016

Consent for discharge of effluents under the Water(Prevention and Control of Pollution) Act 1974.

- Ref: 1. Application filed by the industry / organization on 3/3/2016
12:00:00 AM
2. Inspection of the Industry/organization/by RO, - Kolar on 03/03/2016

Consent is hereby granted under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) and the Rules and Orders made there under and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

The Occupier is authorized to operate /carryout industry/activity & to make discharge of the effluents confirming to the stipulated standards from the premises as mentioned below:

Location:

Name of the Industry: Sri Devaraj Urs Academy Of Higher Education And Reserch

Address: Post Box No. 62 , Tamaka, Kolar

Industrial Area: Kolar-Tamaka I.A. Tamaka,

Taluk: Kolar, District: Kolar

Discharge of effluents under the Water Act:

| Sr | Water Code | WC(KLD) | WWG(KLD) | Remark |
|----|------------------|---------|----------|--------------------------------------|
| 1 | Domestic Purpose | 75.000 | 64.000 | onland for gardening after treatment |
| 2 | Domestic Purpose | 275.000 | 236.000 | onland for gardening after treatment |

This consent is issued considering the manufacture of Others- not generating trade effluents and process emissions. / activity.

| Sr | Product Name | Applied Qty/Month | Unit |
|----|-------------------------------------|-------------------|------|
| 1 | Educational Institution-300 KLD STP | 1,000 | NOS |

This consent is valid for the period from 03/03/2016 to 31/12/2022

For and on behalf of the
Karnataka State Pollution Control
Board.

ENVIRONMENTAL OFFICER

To,
Sri Devaraj Urs Academy Of Higher Education And Reserch

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103

Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103

NOTE: The following Conditions (2), (4) mentioned above are not applicable.



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-328478
Valid upto: 30/06/2026

Karnataka State Pollution Control Board
Parisara Bhavana, No.49, Church
Street, Bengaluru-560001
Tels: 080-25589112/3, 25581383
Fax: 080-25586311
email id: kspcb@gov.in

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

Combined Consent Order No: AW-328478 PCB ID: 11347 Date: 03/12/2021

Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act, 1974 and emission under the Air (Prevention and Control of Pollution) Act, 1981

WATER:

- Ref: 1. Application filed by the applicant/organization on 01/10/2021
 2. Inspection of the industry/organization by RO on 01/10/2021
 3. Proceedings of the ECM dated _____ held on _____

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 (herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, (herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate/carryout industry/activity & to make discharge of the effluents & emissions conforming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

Location:

Name of the Industry: R.L. Jalappa Hospital & Research Centre
Address: Sy. No. 14B & 15E, Ward No. - 1, NH-75, Tamaka, Kolar Taluk & District.
Industrial Area: TAMAKA INDL ESTATE, Tamaka,
Taluk: Kolar, District: Kolar.

CONDITIONS:

a) Discharge of effluents under the Water Act:

| Sr | Water Code | WC(KLD) | WWC(KLD) | Remark |
|----|---|---------|----------|--|
| 1 | Domestic Purpose | 87,000 | 70,000 | STP of capacity 300 KLD |
| 2 | Others | 14,000 | 0,000 | Gardening |
| 3 | Processing whereby water gets polluted and the pollutants are not easily bio-degradable and are toxic | 225,000 | 200,000 | Washing & Cleaning (ETP of capacity 250 KLD) |

b) Discharge of Air emissions under the Air Act from the following stacks etc.

Sl. No. Description of chimney/outlet Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.

The consent for operation is granted considering the following activities/Products:

| Sr | Product Name | Applied Qty/Month | Unit |
|----|---------------------------|-------------------|------|
| 1 | Health care establishment | 750,0000 | NOS |

This consent is valid for the period from 01/07/2021 to 30/06/2026.

To,
R.L. Jalappa Hospital & Research Centre
Tamaka, Kolar Taluk & District.

COPY TO:

- The Environmental Officer, KSPCB, Regional Office Kolar for information and necessary action.
- Master Register.
- Case file.

Handwritten signature and date: 22/08/21

Consent Fee paid : Rs. 1835554

NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing

Handwritten signature
Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-328478
Valid upto: 30/06/2028

Industry, Colour: RED Industry Scale: LARGE

Karnataka State Pollution Control Board
Parivara Bhavana, No.49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581383
Fax: 080-25586321
email id: kspsc@kspsc.gov.in

(This document contains 5 pages including annexure & excluding additional conditions)

E. NOISE POLLUTION CONTROL:

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - • Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is referable to human hearing.
- A "decibel" is a unit in which noise is measured.
- "A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- Leq: It is an energy mean of the noise level over a specified period.

F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) Rules 2016:

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundary Movement) Rules 2016.

G. GENERAL CONDITIONS:

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
3. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
4. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
5. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
6. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.
7. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable.
8. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
9. The applicant his heirs, legal representatives or assignee shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent.


NAAC CO-ORDINATOR
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103


Principal
Sri Devaraj Urs College of Nursing
Tamaka, Kolar-563103



**Consent For Operation
(CFO-Air,Water)**

Consent No. AW-328478
Valid upto: 30/06/2026

Industry Colour: RED

Industry Scale: LARGE

Karnataka State Pollution Control Board
Parisara Bhavana, No. 49, Church
Street, Bengaluru-560001
Tele : 080-25589112/3, 25581363
Fax: 080-25586321
email id: ks@kspcb.gov.in

(This document contains 5 pages including annexure & excluding additional conditions)

Note:

1. The Noise levels within the premises shall not exceed 75 dB (A) leq during day time and 70 dB(A) leq during night time respectively.
2. The DG set shall be provided with acoustic measures as per SI, No. 94 in Schedule-I of Environment (Protection) Rules.
3. There shall be no smell or odour nuisance from the industry.

LOCATION OF SAMPLING PORTHOLE, PLATFORMS, ELECTRICAL OUTLET.

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to at least eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V, 15-A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

NAAC CC-20/12/22
AQAR-11

NAAC CC-20/12/22
Sri Devaraj Urs College of Engineering
Tamaka, Kolar-563103

For and on behalf of the
Karnataka State Pollution Control Board

Principal

Signature Not Verified
Digitally signed by Sri Devaraj Urs College of Engineering
Date: 2021.12.06 11:38:25
+05:30