



*CV of Mr. Jayakumar J.S, June, 2018*

'Kuku's Nest'  
TC 7/1475(10), Kochulloor, Medical College  
Thiruvananthapuram-695004, Kerala, India  
Tel: 8606022339 (Mob)  
Email: js\_jkumar@yahoo.com

## **JAYAKUMAR J.S**

---

### **OBJECTIVE**

*To sincerely utilise my expertise gained through more than twenty six years of hands-on experience of work in the field of Environment.*

### **PROFESSIONAL RECOGNITION**

- Sanitation Expert, Suchitwa Mission, Government of Kerala
- Project Manager, Star International Waste Management LLC (SIWM)
- Senior Consultant, Suchitwa Mission, Govt. of Kerala, India
- Senior Consultant, Clean Kerala Mission, Govt. of Kerala (India) on Biomedical Waste and Municipal Solid Waste Management
- Consultant to the Kerala State Pollution Control Board and Faculty for their Training programmes on Biomedical Waste Management and Waste Minimisation in Industry.
- Member, Committee set up by Government of Kerala for drafting Vision Document for Management of Bio-medical wastes.
- Member, Committee for Biomedical Waste Disposal and Management, Government of Kerala, constituted under the Member Secretary, Kerala State Pollution Control Board by the Secretary, Health and Family Welfare, Government of Kerala.
- Member of Resource Team constituted by Kerala Total Sanitation and Health Mission to support its activities.
- Convener, Technical Committee on evaluating the technology adopted by Guruvayur, Thaliparamba and Vadakara, Malappuram Municipalities of Kerala for municipal solid waste processing
- Member, Committee for preparation of detailed guidelines on standards, specifications, Operation & Maintenance protocol, Unit cost, Contract conditions and subsidy norms for solid waste management installations
- Member of the technical committee constituted by the Thiruvananthapuram Corporation to monitor capping of dumped discards at the Corporations waste processing plant site.
- Member, Expert committee on water and sanitation, constituted by the District Panchayats, Thiruvananthapuram district, Kerala, India

## **EXPERIENCE DETAILS**

**2017 January onwards**

### **Sanitation Expert, Suchitwa Mission, Government of Kerala**

- Assist the Mission and the Government in framing policies and guidelines related to solid and liquid waste management
- Provide technical assistance to Local Self Government Institutions of the state in developing proposals and implementing projects related to solid and liquid waste management
- Develop specifications and guidelines related to gas crematoriums and modern slaughterhouses

**2013 July – 2017 January**

### **Project Manager, Contract 4, Star International Waste Management LLC, Al Ain**

#### **❖ Management of project on**

- Collection, Transportation, Treatment and Disposal of Biomedical wastes generated in Al Ain Region, Abu Dhabi, UAE
- Treatment and Disposal of Fallen stock from Al Ain Region
  - ✚ Contract was awarded with the Environmental Performance Certificate in the year 2013 by the Ministry of Environment and Water, Government of UAE

**2011 May – 2013 June**

### **Project Manager, MBM-Dallah Waste Management Services LLC, Abu Dhabi**

#### **❖ Management of project on**

- Collection and Transportation of Municipal solid waste from Musaffah region of Abu Dhabi
- Preparation of Technical bids for different Tenders within UAE, India and Sri Lanka

**2007 July – 2011 April**

### **Senior Consultant, Suchitwa Mission (SM)**

SM is constituted by the Government of Kerala to provide Technical guidance and part financial support on sanitation to local bodies of the state.

- Assist Panchayats and Municipalities in Preparing project proposals for decentralized/ centralized solid waste management systems
- Evaluate technically the proposals prepared by Panchayats and Municipalities
- Arrive at and recommend to the Government the amount of financial support that could be provided to the local bodies for implementing Integrated Solid Waste Management Projects
- Assist the Government in the selection of right technologies

### **2007 May -2007 July**

#### **Project Manager, SIWM (MBM-Dallah-Urbaser Consortium)**

Project Manager for Project on Operation of Sanitary landfill and Setting up and Running of Crushing plant for Construction and Demolition waste for Al Ain Municipality, Abu Dhabi, U.A.E.

### **2004 September -2007 April**

#### **Senior Consultant (Technology and Design), Clean Kerala Mission (CKM)**

CKM is a Mission constituted by the Government of Kerala to give technical and financial support to Local self government institutions particularly to 53 Municipalities and 999 Grama Panchayats within the State.

#### *Nature of work*

- Assist Panchayats and Municipalities in Preparing project proposals for developing an Integrated solid waste management system including Collection, Transportation, Treatment and Disposal of Municipal Solid Wastes generated within their jurisdiction
- Evaluate technically the proposals prepared by Panchayats and Municipalities and arrive at the financial assistance to be provided to them by the Government for developing an Integrated Solid Waste Management System
- Assist 'Clean Kerala Project' in studying and evaluating programmes and projects in the country and outside which could be replicated.
- Support the local bodies in developing implementation schedules/action plan in accordance with the SWM Project-preliminary and subsequent phases, provide technical support for implementation and monitor progress.

- Assist local bodies in building Private partnerships including developing contract documents-centralized treatment systems, transportation etc.
- Assist local bodies in developing sanitary land fill sites, selection of appropriate technologies for treatment, selection of equipments and vehicles.
- Assist local bodies in developing street sweeping schedule, vehicle routing, vehicle and equipment maintenance schedule etc.

## **1999-2004**

### **Technical Officer, Environmental Education Centre, Institute of Human Resource Development (IHRD), an Institution under Government of Kerala**

#### *Projects executed:*

- Design of a Hospital Waste Management system for Government Medical College, Thiruvananthapuram, a project sponsored by World Health Organization (WHO). A detailed study of different types and quantities of waste generated from various wards, theatres, etc was conducted. A management system based on the study was designed.
- Study on the Impact of Bio-Medical waste (Management and Handling) Rules 1998 (Ministry of Environmental and Forests, Government of India) on the Hospitals of Thiruvananthapuram. This project was supported by the Kerala Research Programme on Local Level Development (KRPLLD), Centre for Development Studies (CDS), Thiruvananthapuram, Kerala and financed by the Netherlands Ministry of Foreign Affairs
- Consultancy work for Kerala Institute of Medical Sciences (KIMS) Hospital, Thiruvananthapuram, on development of a Hospital Waste Management System. The hospital bagged the Pollution Control Award for the best hospital of the State that year.
- Consultancy work for PRS Hospital and SP Fort Hospital, Thiruvananthapuram
- Translation of the national Kit on Bio-medical Waste Management from English to Malayalam for the Centre for Environment Education (CEE), Bangalore (Regional Centre)
- Project guidance on ‘Study on non-pharmaceutical Chemicals used in Hospitals’ for students of MSc Environmental Bio-Technology, Cochin University of Science and Technology (CUSAT)
- Project on ‘Waste Minimisation in Industry’ undertaken for the Aircraft Division, Bangalore of the Hindustan Aeronautics Ltd. (HAL), India’s largest Aircraft industry. This project resulted in a cost saving to the tune of about Rs. 12 lakhs/year for the Division.

- Minimisation of waste in rubber glove manufacturing sector in Cochin export Processing Zone (CEPZ), Cochin. The Project involves forming a Waste Minimisation Circle (WMC) of a minimum of four glove manufacturing companies and the Circle identifies waste generating points, suggests options to reduce wastes and implement viable options. This project was awarded by the National Productivity Council

## **1992-1999**

### **Senior Executive (Operations) in Pyrolator & Pyrolator (P) Ltd and as Manager (Operations) in Pyrolator Services**

#### *Scope of work*

- Supervision of the design, fabrication and erection of Bio-medical Waste Incinerators
- Monitoring and Supervision of servicing of Incinerators supplied to hospitals
- Lead the R&D on indigenously developed hot air incinerators.
- Find means to troubleshoot problems associated with the operation of Incinerators
- Research work on other products, especially R&D on production of Charcoal from Coconut shells.

## **1991-1992**

### **Chemical Engineer in Business and Industrial Consultants (BICONS)**

#### *Scope of work*

Consultation project undertaken for setting up Titanium Dioxide Plant at Tuticorin, Tamil Nadu, India.

## **EDUCATION**

B-Tech in Chemical Engineering with First class, 1987-1991, University of Kerala, Thiruvananthapuram, Kerala, India

**First rank** in Vocational Higher Secondary Education

Working knowledge in operating system MICROSOFT WINDOWS including web use and language BASIC.

## **OTHER AREAS OF INTEREST**

Study of various aspects of Sustainable development, Environmental Management Systems and International Standards (ISO 14000 series)., Environmental Impact Assessment, Environmental Law etc.

## **PUBLICATIONS – Pamphlets:**

1. 'SOIL', 1999, IHRD
2. 'WATER', 1999, IHRD
3. 'TREATMENT ALSO FOR HOSPITAL WASTES', 2001, IHRD
4. 'WASTE MINIMISATION IN INDUSTRY', 2001, IHRD

## **PAPERS**

1. 'Hospital/Medical Waste Management: Perception and Keys to Solutions'- 1<sup>st</sup> National Conference of Medical Waste Management 5-6 February 1999, Baroda.
2. 'Hospital waste management – Design of a system', UNICEF sponsored two day Project Formulation Workshop on Solid Waste Management for members of 47 Grama panchayats, 21 & 22 December 2001
3. 'Hospital Waste Management – legal aspects', Integrated Rural Technology Centre (IRTC), Palakkad, 29 & 30 April 2002
4. 'Hospital Waste Management System Design – A Case Study', Kerala State Pollution Control Board (KSPCB), Training Programme for Senior Executives and Administrators of about 70 hospitals of the state, 24 July 2002
5. 'Hospital Waste Management System Design – A Case Study', Kerala State Pollution Control Board (KSPCB), Training Programme for Nurses of about 60 hospitals of the state, 19 September 2002
6. 'Waste Minimisation in Industry', seminar on Industrial Pollution Control, Kerala state Pollution Control Board – Silver Jubilee Celebrations, 25 March 200, Palakkad
7. 'Waste Minimisation at Aircraft Division, Hindustan Aeronautics, Bangalore', all India Convention on Environmental Management: Waste minimisation & Sustainable Development, May 2001, Mumbai
8. 'Waste Minimisation in Industry – potential in a Hard chrome plating line of a process shop', 14<sup>th</sup> Kerala Science Congress, January 2002, Cochin

## **PERSONAL**

Date of Birth - 13.02.1968

Marital status - Married and with one child

## REFERENCES

1. Dr. R. Ajayakumar Varma  
Executive Director,  
**Suchitwa Mission**  
Panavila Junction  
Thiruvananthapuram  
Kerala, India  
Ph: 91 9447048526
2. Mr. K. Sajeevan  
Chairman  
Kerala State Pollution Control Board  
Pattom  
Thiruvananthapuram  
Kerala, India  
Ph: +91 471 2318153
3. Dr. Fadi Ataya  
Hazardous Waste Specialist (Former),  
Center of Waste Management, Abu Dhabi  
Phone: 971 501243899