

CURRICULUM VITAE 2023.

MY NAME: JOHARI GEORGE NG'UMBI

P. O. BOX 29-Igowole, Mufindi-Iringa. Sex: Male (M) Nationality: Tanzanian
Email: jayjohn251@outlook.com Dis-ability: No Place of Birth: Mufindi- Iringa
Phone: +255753-522155 /0625-264427 Criminal records: No DOB: 08th October 1993.

PROFILE

A skillful Tanzanian, talented and holder of bachelor's degree in mechanical engineer from Mbeya University of Science and Technology (MUST) with eager to learn new things and exchanging ideas, with industrial, machine and tools experience of five (5) years, Member of Tanzania Engineering Registration Board (ERB): MEMBER ID, GE 13645 with ability to work without supervision or less, A good leader and Good incident analysis skills, Supervisory skills, motivator, Innovative, and best in creativity.

CORE SKILLS

Driving License: Class A and D **Languages:** English and Swahili **Computer Literacy:** MS Office (Excel, Word and PPT), Office 365 (Mail, Meeting and SharePoint), AutoCAD, Solid work. **Resources Mobilizations**

PROJECTS/WORKSHOP ATTENDED.

April 2023-July 2023

Consultant, Conduct assessment for Avocado processing line managed by DAI (contractor) on behalf of the USAID RFS/CN with Feed the Future Market Systems and Partnerships (MSP). To conduct due diligence, which will ultimately serve to inform MSP's awards to grantees for the food loss and waste activity as consultant responsible for providing technical inputs and recommendations to support the grantee on determining the type of avocado oil processing equipment to purchase and install with following

- To conduct a site visit to the partner's packing and processing facility and review projected volumes of avocado.
- To assess the required capacity for crude oil production, including power requirements, processing line design, main and ancillary equipment, timeline, infrastructure work required if any, packaging material and procedures
- To assess the need for personnel and the minimum qualifications for staff
- To assess the most effective disposal method for the waste generated
- To provide recommendations to support the future operationalization of the processing line.

PROFESIONAL EXPERIENCES

November 2021- Currently

Production Engineer at OLIVADO EPZ TANZANIA LIMITED originated from New Zealand, this company is the world's largest producer of extra virgin avocado oil, cold-pressed extraction method for extra virgin avocado oil located in Itulahumba- Njombe Tanzania.

Duties and Responsibilities

- Quality Control and supervision of Avocado oil production at Factory as per company goals
- Head of Engineering and Factory maintenance and ensure quality standards are followed during maintenance work.
- Planning and implementing preventive & Breakdown maintenance schedule of mechanical equipment's for improving overall reliability and safety of machinery
- Prepare and maintain spare inventory, Upgrading and modification of existing system for smooth operation of plant.
- Arranging shifts for Productions, work distribution and supervision of assigned tasks in Factory section such as Fruits unloading/Receptions, Ripening Rooms, Sorting's, and Quality Management according to company goals, in timely completion.
- Oil export, Supervising, Tracing, and transport organizing, Shipping Documents, Company certificate and receipts under Export Processing Zones Authority (EPZA) Loading oil in Drums, Pods, and Flexible tanks regard to oil standards and customer needs for export.

July 2020- November 2021

Technical Consultant at OLIVADO EPZ TANZANIA LIMITED and company advisor for contractor works.

Activities

Piping and Instrumentation Diagram (P & ID) of Avocado Oil Extraction.

Preparing of Engineering Drawing for industrial layout showing Block flow, Process flow and Piping and Instrumentation Diagram (P & ID) for the overview of the project in Detailed diagram for the factory to present piping and process equipment together with the instrumentation, control devices identification, including pipe classes and piping line, flow directions, valves and their types.

CAD- Design Factory Layout and Installation of Avocado Oil Extraction Machine

Preparing the design for double/two production Line layout 2D-CAD Drawing, this line layout to preview building space and machine relatively scale for determining space on production room, process flow for product, clean water, waste water, and waste product

Installation of all machine (DE stoner, Crusher, Malaxer, Centrifuge Decanter and Separators, weighing machine according to designed layout, process flow, prepared base floor/ machine seats and their specifications.

Biogas Plant Project Review and Land Preparation

Preview of the project to recycle produced waste and other fruit residuals to keep safe industry, selection of location for Land preparation, removal of bushes and compaction of soil base as early steps and size of the location for the installation of Biogas plant according to engineering drawings and waste flow from the factory

Avocado Oil Storage Tanks Design Fabrication

Preparing Design and Fabrication of food grade industrial storage tanks for Avocado oil with Stainless steel materials according to storage room procedure of receiving, store and transferring with capacity of 5000 liter, 10,000 liter and 20,000 liters at SIDO, suitable welding procedures of SMAW and MIG process for best finishing.

Design and Fabrication of hot water boiler (80°C to 95°C)

Preparing alternative boiler using firewood to reduce running cost caused by using diesel burner, here includes materials BOQ and mobilization, volume calculation due to machine operations and usage of water, material selection for food grade industry, engineering services, installation and masonry works with maximum of 8bar- 10 bars working pressure

July 2019- June 2020

Mechanical engineer MUFINDI PAPER MILLS Ltd, A paper production plant largest in east Africa, conversion of tree pulp to brown or white paper, located in Mgoilolo-Iringa Tanzania.

Duties and Responsibilities

- Supervision of all maintenance at several sub-sections including, Water treatment, Air compressor, Power Boiler, Recovery boiler-Lime kiln, new chipper, and Wood yard.
- Workshop Spare parts productions Fabrication from CAD design either by drawing or available drawings and store for future maintenance
- Welding (MMA, MIG & Gas welding) and temporary joints such as rivets
- Shift in charge, Store issue voucher initialization and Casual worker attendance record daily for payroll.
- Personnel/Artisan job distribution and supervision, Provision of special tools, spanners and machine when needed.
- Randomly routine, checkup machine operations

October 2018- June 2019

Mechanical engineer/Plant Operator at MOUNT MERU MILLERS Ltd, A sunflower oil refinery plant, Sunora product, PLC operational based and controlled under SCADA (Supervisory Control and Data Acquisition) a system of software and hardware elements that allow industrial organization to control industrial process locally or at remote locations, The plant is located Singida town & region in Tanzania.

Duties and Responsibilities

- Troubleshoot problems, Prepare preventive maintenance at refinery plant for machines such as pumps, centrifugal separator, heat exchangers etc.

- Shift Supervisor and tracing production process on both operational and computer (SCADA)
- Refining process control
- General machine cleanliness supervision
- Provision of PPE

PERSONAL INTEREST

- Sports and Games
- Socialization and learning new things.
- Books reading and browsing for knowledge.

REFEREES

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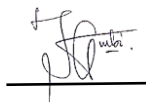
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DECLARATION

I, JOHARI GEORGE NG'UMBI with accordance to my best knowledge I would like to declare that above information contained herein are true, complete, and correctly describe and showing my experience and academic qualification.



Signature