

Mathew Mesmin
PNG Forest Products
PO Box 88
Bulolo, MP

Date: 31st March 2017

PNG Power Limited
PO Box 1105
Boroko
NCD

Dear Madam/Sir,

RE: General Manager Operating and Maintenance Vacancy

I wish to apply for the vacant position of General Manager Operating and Maintenance for PNG Power Limited as advertised on the local newspapers.

I am currently employed in the Electrical Department as the Head of Department at PNG Forest Products and in charge of an asset management system that connects the strategic plan and the daily operations responsible for planning, engineering, and procurement, operations, maintenance and performance management.

This provides a conducive business platform to make right decisions and ensure optimisation of the delivery is value added. The overall objective is to minimise the life cost and the return on investment (ROI) of its assets are fully optimised. I am also mindful to ensure other critical factors such as changing risk regarding external pressures and demand, and business continuity are considered objectively in the decision making process.

My vision on investment and growth going forward which starts with the basics by having an effective operations and comprehensive preventative maintenance program. Ensure timely project delivery to reduce liability and risk and implementing a change management program to facilitate future change in Generation, Transmission and Distribution.

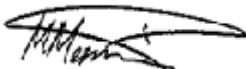
I have over fifteen (15) years' experience and skills working in the power/electricity industry all over PNG in both the public and private sectors. These attributes were predominantly gained from PNG Power Ltd (PPL), Energy Power Systems PNG (EPSPNG) and PNG Forest Products (PNGFP) of which have equipped me to be successful in my career growth.

May I add that investment in people is key and succession planning and identifying training needs forms part of my strengths.

I believe I have the business acumen and credentials be the incumbent to make a difference at PNG Power Limited.

I can be contacted on mobile number 7158 2578.

Yours sincerely,



Mathew Mesmin

RESUME

MATHEW MESMIN

C/-PNG Forest Products
P. O. BOX 88,
Bulolo
Morobe
Papua New Guinea

Date of Birth: 3rd August 1979
Place of Origin: East New Britain
Mobile: (675) 7158 2578
Email: mmesmin@pngfp.com
mathewmesmin@gmail.com

OBJECTIVE

To be an effective and efficient leader to help sustain business continuity and growth by monitoring the Profit and Loss (P&L) of the Company and deliver quality business results.

SUMMARY OF EDUCATION & QUALIFICATIONS

1. PNG University of Technology - Bachelor of Engineering in Electrical Engineering
5th April, 2002

ADDITIONAL CERTIFICATE OF ATTAINMENTS

2. Institute of Engineers PNG - Laws on Government Tendering & Procurement, Contract Law & Arbitration in PNG Workshop
28th October, 2003
3. Institute of Engineers PNG – Laws on Occupational Health and Safety and Workers Compensation in PNG Workshop
27th October, 2003
4. IDC Technologies – Practical Power System Protection for Engineers and Technicians Course
6th -8th November, 2006
5. IDC Technologies – Practical Earthing, Bonding, Lightning & Surge Protection Course
9th -10th November, 2006
6. Engineering Education Australia – Module 3 Protection Systems, Motor Starters and Power Quality
27th – 28th October 2007
7. PNG Power Limited – Fundamentals of Project Management Course
30th September 2008

8. Hastings Deering Institute of Technology - Olympian Technician Course
10th – 13th May 2010
9. Blue Dog Training Pty Ltd - CPC10108 Certificate I in Construction - Work Safely in the Construction Industry
2nd May 2012

FORUMS

Pacific Islands Forum (PIF) Middle Management Program October 19-23, 2009, Japan

The Japan Atomic Industrial Forum (JAIF) hosted an invitation program in Tokyo, Japan for middle management officers of the Pacific Islands Forum (PIF) countries. The invitational program focuses on the promotion and research into alternative energy resources that are commercially sustainable, including the development of nuclear power. The objective being to preserve the global environment from negative impacts of energy development and utilization while providing enough energy that is crucial for the society. The objective of the program was to provide quality information on energy issues to middle management and included visits to renewable energy power plants (hydropower), research institutes, and a nuclear power plant.

PRESENTATIONS

Date	Title	Event	Facilitator
25/11/2016	PNG Forest Products Safety and Technical Management Plan	Safety and Technical Management Plan Exposition & Workshop Venue: Crown Plaza	Independent Consumer and Competition Commission (ICCC)

MANAGEMENT SKILLS & EXPERIENCE

- Project Management
- Project Delivery
- Asset Management
- Change Management
- Profit & Loss experience
- Return on Investment (ROI) catalyst
- Excellent written and verbal communication skills
- Computer literate utilizing Microsoft Excel, Word, Publisher, PowerPoint and Project

KEY STRENGTHS

- Overall Management overseeing of Generation, Transmission, Distribution and Retail including Plymill and Sawmill electrical operations and maintenance as Head of Electrical Engineering Department at PNG Forest Products. Oversee PPL power export business injecting an average of 10 MW daily into the PPL Ramu Grid.
- Project Management, Procurement, Installation, testing and commissioning of electrical equipment such as generators, HV instrument transformers, power transformers, HV switchgear and control panels.
- Three (3) years Hydro Power Operations, Preventative and Condition Maintenance

- Fifteen (15) years' experience in the Electricity/Power Industry involved in leading teams in projects, fault finding, troubleshooting and testing electrical equipment in generation, transmission and distribution systems and equipment/switchgear.
- Diesel Generator Operation and Maintenance Trainer- Electrical
- 4 years Caterpillar project management and sales experience
- High-level computer skills including Remote Monitoring MODBUS programming, Alphanumerical Protection Relay setup and implementation in power system protection utilized in generation, transmission and distribution power systems, Engine Management Schemes on generators.

PROFESSIONAL EXPERIENCE

CAREER OVERVIEW

Position	Company; Period
Head of Electrical Department	PNG Forest Products; October 2015- Present
Electrical Engineer; Power Generation	PNG Forest Products; December 2013- 2015

- Currently the Head of the Electrical Department at PNG Forest Products managing three hydro power stations, plymill and sawmill industrial electrical works and managing PPL export power business.

RESPONSIBILITIES

- Overseeing the operations and maintenance of 3 hydro power stations, Plymill and Sawmill electrical, Electrical domestic workshop including motor rewind shop and Lines workshop;
- Management of 100 employees in the Electrical Department;
- Project work including budgeting, estimating, procurement, design, installation and commissioning;
- Asset Management. Overseeing the repair and maintenance of existing plant and equipment; and timely Change Management implementation.

Position	Company; Period
Electrical Engineer	Energy Power Systems PNG Ltd; January 2010- November 2013

RESPONSIBILITIES

- Generator Package engineering, design and sales.
- Developing power solutions for customer or project requirements.
- Support Internal Sales team with technical data required or Tenders or Budget Proposals.
- Project Manage, Install, Test and Commission of generator projects.
- Support Engineering Team in Australia when required.

Position	Company; Period
Project Manager Madang	PNG Power Ltd; June 2008-March 2009

Madang Power Station Rehabilitation: Turnkey Installation of 3 x 1.6 MW Caterpillar Generators

Link: <http://www.messersmith.name/wordpress/tag/matthew-mesmin/>

- Monitor Project Budget and Costing Analysis
- Supervising and managing major and minor contractors
- Preparing financial reports and contract documents
- Preparing initial design and engineering analysis (Electrical and Mechanical)
- Liaise between Contractors and PNG Power Ltd

Position	Company; Period
Field Test Momase Coordinator;	PNG Power Ltd; March 2009- 2010
Field Test Momase Coordinator;	PNG Power Ltd; 2007- 2008

RESPONSIBILITIES

- Commissioning Of All Generating Plants.
- Testing And Commissioning Of All Electrical Equipment Associated With Transmission And Distribution Systems.
- Acceptance Test Of All Generators And Substation Transformers.
- Acceptance Test Of Instrument Transformers
- On-Load Tap Changers And Control Equipment.
- Routine Testing Of Protection Relays.
- Control Equipment And Alarm Systems Associated With Transmission.
- Maintenance Of All Protection and Metering.
- Control and Automatic Voltage Regulating Equipment Within Power Stations And Substations In The New Guinea Islands Region.
- Troubleshooting and faultfinding on faulty equipment/system.

The projects or jobs of significance are outlined below:

1. In charge of the Test and Commissioning of 8.4 MW Ulagunan Diesel Power Station. I was the lead Test Engineer liaising with the main contactor Energy Power Systems PNG. All the electrical equipment had to be checked, tested and commissioned and with the PNG Power standards and regulations.
2. In charge of the Alotau 2 x 1.6 MW Caterpillar generator installations and commissioning.
3. In charge of the Taraka 8 x 1.6 MW Caterpillar generator installations and commissioning.

Position	Company; Period
Field Test Engineer New Guinea Islands;	PNG Power Ltd; 2005-2006

As the Field Test Engineer NGI and reporting to the Field Test Coordinator NGI, I was responsible for the testing and commissioning of all Electrical switchgear, power transformers, instrumentation transformers, generators, protection relays in the NGI region.

Trouble shooting, fault finding and reading of electrical drawings was a normal daily activity.

The projects or jobs of significance are outlined below:

1. Retrofit, Test and Commissioning of Warangoi Hydro Excitation new ABB excitation system of Unit 1 and Unit 2.

I was attached as an on the job trainee with the ABB contractor to assist the contractor to install the new ABB excitation system. This was an ideal training arrangement with the ABB new equipment.

2. Involved in the Kone Substation decommissioning and recommissioning of power transformers.

Position	Company; Period
Engineering Assistant Thermal Operations;	PNG Power Ltd; 2004

As the Engineering Assistant I was responsible for all the Thermal Generation Stations in PNG. Responsibilities included the following:

1. Maintenance schedule plans for each thermal generation plant in PNG
2. Costing and budgeting for repair and maintenance
3. Sourcing funding via Management Submission Business Papers
4. Procurement of Parts and services
5. Maintenance parts mobilization
6. Onsite maintenance project implementation
7. Recommissioning of thermal generation plant
8. Generator fault-finding and troubleshooting

Position	Company; Period
Electrical Engineer Graduate Trainee;	PNG Power Ltd; 2002-2003

2002 – 2003 PNG Power Limited Electrical Engineering Graduate Trainee Scheme Two (2) year rotational program

As a graduate trainee I was attached to the following areas.

PNG Power System Operations - 6 months
Substation Maintenance and Transmission Lines Port Moresby
PNG Power System Control Port Moresby- 6 months
Port Moresby SCADA
PNG Power Technical Services - 6 months
Field Test Southern
PNG Power Thermal Generation - 6 months

COMMUNITY LEADERSHIP

2014 – Present	Bulolo United Church Fundraising Coordinator
2014 – Present	Bulolo United Church Day Care School Chairman
2014 – Present	Bulolo United Church Youth parent
2014 – Present	Bulolo Golf Club committee member

HOBBIES AND INTERESTS

1. Playing Rugby Touch
2. Working out in the gym
3. Swimming
4. Fishing

REFEREES

1. Mr. Chris Terupo
Human Resources Manager
PNG Forest Products
PO BOX 88
Bulolo, Morobe
Email: cterupo@pngfp.com
Mobile: (675) 7194 2701
2. Mr. Simon Augustine
Acting Manager Electricity & MVIL
Regulated Industries Division
Independent Consumer & Competition Commission (ICCC)
PO Box 6394, BOROKO, National Capital District, Papua New Guinea
Phone: (675) 325 2144
Email: asimon@iccc.gov.pg
3. Mr. Peter A. Metzdorf
Email: metzdorf@gmail.com
Mobile: 00 61 4 6697 0555
4. Ms. Cathy Kutkue
Asset Manager
Management Supp. & Bus Risk
PO Box 1105, Boroko,
NCD, 111, Papua New Guinea

Tel: 324 3323 | Mob: +675 7623 2242
Email: ckutkue@pngpower.com.pg

Selection Criteria

1. A Bachelor's Degree in Electrical or Mechanical Engineering and or post graduate qualifications in Business Management or related field

I graduated from PNG University of Technology with a Bachelor of Engineering in Electrical Engineering on the 5th April, 2002.

Certificates' Attained include the following:

2. Institute of Engineers PNG - Laws on Government Tendering & Procurement, Contract Law & Arbitration in PNG Workshop- 28th October, 2003
 3. Institute of Engineers PNG – Laws on Occupational Health and Safety and Workers Compensation in PNG Workshop - 27th October, 2003
 4. IDC Technologies – Practical Power System Protection for Engineers and Technicians Course- 6th -8th November, 2006
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30th September 2008
 8. Hastings Deering Institute of Technology - Olympian Technician Course
10th – 13th May 2010
 9. Blue Dog Training Pty Ltd - CPC10108 Certificate I in Construction - Work Safely in the Construction Industry - 2nd May 2012
2. Have significant experience in executive or senior management particularly in the energy sector

Currently, as the Head of Electrical Department at PNG Forest Products I report to the General Manager and the Managing Director.

The role incorporates overseeing the operations and maintenance of PNG Forest Products as an Electricity Undertaker and an Independent Power Producer (IPP) to the PNG Power Ramu Grid. I manage Generation, Transmission, Distribution and Retail of power from three (3) hydro power stations for export and local power consumption. I also manage the Industrial Electrical operations and maintenance at the Plymill and Sawmill facilities.

I also am involved with the designing and planning of a prospective fourth hydro power project to increase our Independent Power production into the PPL grid.

My role also includes liaison with the Independent Consumer and Competition Commission (ICCC) with matters concerning PNGFP as one of the eight (8) electricity undertakers in the country complying and conforming to Electricity Industry Act in conjunction with Government goals.

As an IPP, I also represent PNGFP in regular PPL Grid meetings with PPL senior management on Grid improvements and reliability issues.

Our internal clients at the Plymill, sawmill and retail power consumers require me to ensure power quality and minimal restoration downtime.

3. Have a strong technical or asset management of a large of similar sized organisation

Owning legacy pre war assets to the latest PLC or automated assets throughout PNGFP from the power stations, substations, transformers, switchgear to the Plymill

and sawmill that have motors, variable speed drives, PLC controlled machines etc. we incorporate an asset management system that connects the strategic plan and the daily operations responsible for planning, engineering, and procurement, operations, maintenance and performance management.

This provides a conducive business platform to make the right decisions and ensure optimisation of the delivery is value added. The overall objective is to minimise the life cost and the return on investment (ROI) of our assets are fully optimised. I am also mindful to ensure other critical factors such as changing risk regarding external pressures and demand, and business continuity are considered objectively in the decision making process.

4. Ability to demonstrate success in organization transformation, strategic thinking with a result-oriented focus and introduce new ideas and concepts.

Organization transformation into a proactive entity reduces costs improving the bottom line and improving project delivery and service delivery at the same time. Moving into a proactive mode allows us to simplify operations by functioning in a strategic mode addressing the root cause to eliminate issues.

The change management program involved in the process of monitoring performance will focus and introduce new ideas and procedures or strategies.

5. Have strong business acumen and be recognized as a strong and inspirational leader

As a strong and inspirational leader my vision on investment and growth going forward starts with the basics by having an effective operations and comprehensive preventative maintenance program. Ensure timely project delivery to reduce liability and risk and implementing a change management program to facilitate future change in Generation, Transmission, Distribution and Retail entities.

I will add that investment in people is key and succession planning and identifying training needs forms part of my strengths.

I have a proven record in the Electricity Industry and believe I have the business acumen and credentials be the incumbent to make a difference at PNG Power Limited.