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| Name: |  Hekaroa H . PALA | **date of birth:** 21 November 1964 |
| sex : male profession: |  **MARITAL STATUS**: MarriedElectrical Engineer **EMAIL:** hekaroa\_pala@yahoo.com.au |
| years with firm: | 2005- 2020 | **nationality:** Papua New Guinean |
| position HELD: | Principal Electrical Engineer / Managing Principal |
| position OF INTEREST: | Engineering/Maintenance/Project/Manager/Engineer |

**CONTACT ADDRESS: PO Box 7645, boroko, ncd, port moresby,**

 **papua new guinea.**

**telephone: (675) 761 48451 / 70757522.**

# key qualifications:

1. “EXPERIENCE AND PERFORMANCE COMPETENCY AREAS”:
* Conduct Special, Performance and Condition Monitoring Tests
* Proficient in Test and Commissioning Planning and Procedures
* Power Equipment Protection Tests (Transformers/Generators/Circuit Breakers)
* Maintenance and Troubleshooting to rectify faults in large electrical systems
* Instrumentation, Control and VSD Equipment Tests and Calibration
* Manage Projects (Cost and Document Control)
* Supervise, control, train and mentor junior staff
* Prepare Project costing,budgeting, scope of work and cost estimates for project and any construction work
* Ensure drawings relating to any project changed are current and accessible for all stakeholders
* Knowledgeable in Design and Engineering Specifications & possess good overall engineering skills
* Have sound knowledge of all regulations, codes and standards applicable to electrical Engineering particularly AUS and NZ Standards.
* Provide technical support to the project maintenance/construction/operation teams.
* Engage and supervise national and international contractors/subcontractors as required for both construction, planned maintenance and or capital works.
* Maintaining and providing on-going support for site protection and co-ordination

requirement,including investigating and addressing known potential dangerous situations, accidents and incidents.

* Provide wide range of practical experience in management, maintenance and

 operation in any given organisation such as in mining, process mills/plants and

 power industry sectors

* Support and advice management with sound engineering and management principles and procedures
* High level of competency in decision making, resource management and negotiations
* High level of competency in communication and interpersonal skills in dealing with consultants, contractors, other managers and suppliers and staff in general*.*
* Able to apply vast practical engineering management and technical experience in

 power plant design, maintenance, and operation practices built over the years to achieve

 the desired outcomes.

* Provide management leadership and lead negotiation with suppliers, consultants and contractors

 at both local and the international level.

* Able to work and communicate well with other line managers and general staff to motivate and get

 the best results for an organization

* Can fully understand and interpret financial accounting and budgetary reporting and controls if

 such is expected of me

* Has sound and in depth knowledge of electrical and mechanical products and or equipment used in power generation, transmission, and distribution
* Familiar with sourcing and procurement processes both locally and overseas to maintain stock levels for projects and operational requirements.
1. **SUMMARY**

Have vast experience in **Construction and Project Management, Maintenance, Testing,**

**Commissioning and Operation of power systems**, good engineering knowledge of power and control system equipment, very well versed in engineering and technical skills, has high level of competencies in decision making, asset and resource management , good overall negotiation skills, communication and interpersonal skills, able to read and appreciate financial and budgetary accounting control and reporting information. Has very good overview of contract administration and legal requirement, capable of dealing with adverse and varied nature of jobs daily, given the positions held in the past as an engineer, consultant and a manager.

### Past and Recent Relevant Assignments Include:

* *Assistant /Trainee Engineer* , **PNG Power Ltd** 1993-1996 - PNG
* *Team Leader /Test Engineer,* **PNG Power, Port Moresby Power System Kanudi Project** 1996 –1998
* *Special Test Engineer,* **PNG Power HQ** 1998 – 2001, PNG
* *Acting Support Services /SCADA Project Development Engineer,* **PNG Power,** 2001 - 2003, PNG
* Support Services Engineer/Acting Manager Technical Services Division 2003- 2005, PNG
* *Consulting Engineer/Assistant Manager*, SMEC **Lihir Gold Mine 6MW Geothermal Power**

 **Project** 2005 – 2006, PNG

* *CommssionIng Cordinator/Resident Engineer*, SMEC **Lihir Gold Mine 20MW Geothermal Power**

 **Project**  2006 – 2007, PNG

* *Managing Principal Engineer/Managing Director, Aliena Electrical & Mechanical Services Ltd 2007 - 2012*
* *National Power Specialist/Consultant***, Entura (Hydro Tasmania) ADB Project** Nov 2012 – Jan

 2014

* *Managing Principal Engineer/Managing Director*, Aliena Electrical And Mechanical Services Ltd

2014– 2020.

# education:

* B. Eng. Electrical (University of Technology 1988 - 1992) PNG
* Member, Institution of Engineers Papua New Guinea (IEPNG)
* Certificate of Participation – Strategic Management, Contracts and Evaluation, Workplace

 Safety,Taxation Laws Conferences by IEPNG

* Certificate of Participation – Protection and Control Short Course by Alstom (UOT - Brisbane)
* DIPLOMA IN LAW (PROSECUTION) at UPNG: 2013-2016. (Did not graduate as proceeded straight to 3rd Year LLB for Degree in Law – part time student).

 **4. EXPERIENCE RECORD AND POSITIONS HELD:**

**PNG POWER LIMITED**

**1993 - 1996**

* **Assistant Engineer/Trainee, Various Service Divisions.**

Construction/Projects/Thermal/Hydro/Transmission and Tehnical Services Divisions.

**1996 – 2001**

* **Special Test Engineer, PNG Power Ltd**

Duties: Conducting High voltage and special tests, including condition and performance monitoring tests on power generation, distribution, transmission, control and protection equipment. Lead Test Engineer for Kanudi HD Power Station Commissioning Project.

**2001 – 2003**

* **ACTING TECHNICAL SUPPORT SERVICES ENGINEER.**

**Provided engineering and Technical support to the various sections within PNG Power Ltd establishment from power generation, transmission and distribution divisions. Lead Engineer for POM Power System SCADA Development Project.**

**2003 – 2005**

**TECHNICAL SUPPORT SERVICES ENGINEER / A/MANAGER TECHNICAL SERVICES**

**DIVISION**

* **Managing the operation and functions of Tests and Commissioning**

 **within PNG Power Ltd. Responsible for providing technical support in the areas of power**

 **generation, transmission and distribution and managing of staff, including recruitment and**

 **training.**

**During my career with PNG Power Ltd, I was directly responsible for the following significant projects:**

* Installation and Commissioning of 22MW Mobile Gas Power Plant at Moitaka in 1994 to support

 Diesel Power Generation.

* Team Leader for Testing & Commissioning of 24MW Kanudi Power Station Switch Yard and

 generator-transformer equipment, protection and control circuits, indication and metering and

 billing check meters.

* Team Leader, Test & Commissioning of Kone-Kanudi and Kanudi-Moitaka 66kV transmission

 lines.

* Witnessed performance acceptance tests and commissioning of Kanudi Diesel Power Station.
* **D**ismantled Rabaul Power Station and re-located to Kerevat due to volcanic eruptions of 1994.
* Lead Engineer Ramu System 132kV Transmission Circuit Breaker and Transmission Line control

 and protection circuit tests.

* **Team Leader**, Port Moresby Power Grid SCADA Development for HQ Control Centre

 Installation and Commissioning( A PILOT PROJECT)

* **Team Leader**, Metering and Instrument calibration including credit and prepayment

 meters(Prepayment Meters when introduced)

2005 - 2007

**SMEC INTERNATIONAL (LIHIR GOLD LIMITED GEOTHERMAL POWER PROJECT)**

* **CONSULTANT:** 6MW and 20MW Geothermal Power Plant relocation and

 Construction

.**Duties**:

* Manage and Supervision of Contractors/Sub Contractors,
* Cost Tracking and Control and resources management,
* Equipment and material sourcing and procurement,
* Document Control and Project Reporting,
* Design and Update of Electrical P & ID Drawings onsite.
* Ensured contractors observed design specifications and other relevant standards.
* Maintain and enforce HSE requirements for the project
* Checked work and approved for test and commissioning.
* Coordinated and Conducted tests and commissioning of the power plant
* Coordinated and Conducted performance acceptance testing of the gas power plants

**2012 – 2014**

**ENTURA (HYDRO TASMANIA PROJECT)**

**National Power Specialist (Contract Work/Consultant)**

* Successful completion of Asian Development Bank funded project carrying out Power

 Upgrade Feasibility Studies for the Port Moresby Power Grid for PNG Power Ltd.

**2005 – 2020**

**ALIENA ELECTRICAL & MECHANICAL SERVICES LTD (SELF EMPLOYMENT)**

**Managing Director/Managing Principal Engineer**

* Undertook various private and Government funded projects for rural electrification and

 power upgrade projects for various clients.

* Other major jobs undertaken are too many to mention.

**2021 (CURRENT)**

Persisting poor economic conditions are causing strain across the industry so ceased operation end of 2020 and looking out for employment opportunities.

# 5. overseas assignments:

NIL

# 6. languages and degree of proficiency

English and Pidgin English: reading, writing and speaking – excellent

**7.** REFEREES

* ANDREW GIOWEN

MANAGING DIRECTOR GARDEN EDEN LTD

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* ~~SEV MASO~~

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Signature of Staff Member Date: January 2021