**Establishment of Kiribati Sustainable Energy Association (KSEA) and strengthen the roles of Energy Regulators on implementation the Electricity Regulation Training**

**Draft Agenda Items**

**21-26 July 2023**

**Day 1: Awareness on the Establisment of the Kiribati Sustainable Energy Assocition with Registrer and Councils.**

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|  | **TOPIC** | | **PRESENTER** | | **STATUS** |
| **Curtesy Meetings with MISE and EPD.** | | | | | |
| 9 :30-10 :30am | Secretary for MISE | PCREEE-EPD | |  | |
| 10:30-11 :30am | Discuss the Draft Electricity Code of Practices 2023 | EPD | |  | |
| 11 :30-12 :30 am | Site inpsection tools and its function | EPD,TEC and PCREEE | |  | |
| 12 :30-1 :30 |  |  | |  | |
| **Lunch** | | | | | |
| 1 :30-2 :30 pm | Site inpsection and testing | | | | |
|  | End for day 1 | | | | |

**Day 2: Inaugural Meeting for the Kiribati Sustainable Energy Association and Energy Regulation Consultation.**

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|  | **TOPIC** | **PRESENTER** | **STATUS** |
| **OPENING** | | | |
| 0800 - 0900 | Registration | | |
| 0900 - 0930 | Welcome – KSEA | | |
| Statement from PCREEE-Mr. Solomone Fifita, Manager-PCREEE | | |
| Opening Remarks – Secretary for MISE. | | |
| Word of Thanks – Mr. Paea Tauaika from PCREEE. | | |
| Introduction of participants and Group Photo | | |
| **Session 0** | Introduction | | |
| 0930 - 0945 | Introduction to KSEA, Constitution and Structures. | KSEA |  |
| 0945 – 1015 | Proposed Work Plan 2023-2024. | KSEA and PCREEE. |  |
|  | PCREEE roles to support Pacific Islands Idustry Association | Paea Tauaika-PCREEE |  |
| 1015 – 1045 | **MORNING TEA** | | |
| **Session 1** | **Election of the Executive Members** | | |
| 1045 - 1145 | Election of the Excutive Members | Interim Chair - TBC |  |
| 1145 – 1230 | Edorsement of the Constitution and the Workplan 2023-2024. | Chair and the Executive Members and the members |  |
| 1230 – 1330 | **LUNCH** | | |
| **Session 2** | **Consultation on the Draft Electricity Code of Practices 2023** | | |
| 1330 – 1415 | Introduce the draft regulations and clauses for Electricity wiring permit and the roles of the regulators | Teweariki Tebuka-EPD |  |
| **Session 3** | **Electrical Contractors Licensing and requirements** | | |
| 1415 - 1500 | Brief summary of the licensing requirements and the business opportunities for electrical contractors | Teweariki Tebuka - EPD |  |
|  | * **Group Discussion** |  |  |
| **END OF DAY 2** | | | |

**Day 3 : Electrical Wiring by Law AS/NZ 300 :2007**

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|  | **TOPIC** | **PRESENTER** | **STATUS** |
| **OPENING** | | | |
| **Session 0** | Electrical wiring rules: scope, application and fundamental principles and installation practices | | |
| 9:00-9:30am | Registration and opening prayer |  |  |
| 0930 - 0945 | i) Scope, application, referenced documents and definitions.  ii) Design of an electrical installation, selection and installation of electrical equipment.  iii) Verification (inspection and testing), Means of compliance | Asita Langi (TEC) |  |
| 0945 – 1015 | i) General arrangement of electrical installation, control of electrical installation and fault protection.  ii) Protection against overcurrent, additional protection by residual current devices.  iii) Protection against overvoltage, protection against undervoltage  iv) Switchboards | Asita Langi (TEC) |  |
| 1015 – 1045 | **MORNING TEA** | | |
| **Session 1** | **Selection and installation of wiring system** | | |
| 1045 - 1145 | • General types of wiring systems, external influences, current-carrying capacity.  • Conductor size, voltage drop, electrical connections, electrical connections  • Identification of installation requirements, enclose of cables, underground wiring systems.  • Cable supported by a catenary, safety systems, bus ways including rising main systems.  • Earth sheath return (ESR) system. | (Asita Langi- TEC) |  |
| 1145 – 1230 | i) General protection against thermal effects, connection of electrical equipment, socket outlets.  ii) Lighting equipment and accessories, smoke and fire detectors, cooking appliances.  iii) Appliances production hot water or steam, room heaters, electric heating cables for floors and ceiling and trace heating applications. |  |  |
| 1230 – 1330 | **LUNCH** | | |
| **Session 2** | **Earthing arrangement and earthing conductors** | | |
| 1330 – 1415 | i) General earthing functions, earthing system parts, earthing equipment  ii) Earthing arrangements, equipotential bonding, earth fault-loop impedance.  iii) Other earthing arrangements | Asita Langi (TEC) |  |
| **Session 3** | **Damp Situation** | | |
| 1415 - 1500 | i) General baths, showers and other fixed water containers  ii) Swimming pools, paddling pools and spa pools or tubs, fountains and water features.  iii) Saunas, refrigeration rooms, sanitization and general housing down operations. |  |  |
|  | * **Site inspection and testing** | TEC, EPD, KSEA and participants |  |
| **END OF DAY 3** | | | |

**DAY 4**

**THEME: Special Electrical Installation and Verification**

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|  | **TOPIC** | **PRESENTER** | **STATUS** |
| **Session 4** | **Special Electrical Installation** | | |
| 0900 - 0945 | i) General safety services, electricity general systems, electrical separation systems, high voltage electrical installations.  ii) Hazardous areas (Explosive gas or combustible dusts), specific electrical installation standards | Asita Langi |  |
| 1030 – 1100 | **MORNING TEA** | | |
|  | **Verificagtion** | | |
| 1100 - 1230 | i) General visual inspection, testing, date of initial energization of an installation. | Asita Langi |  |
| 1230 – 1330 | **LUNCH** | | |

**END**