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|  |  | Date: |
|  |  | XXXX |
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|  |  | Enquiries: |
|  |  | Tel +27 XX XXX XXXX |
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Dear

**CONFIRMATION OF ADHERENCE TO TESTING AND STANDARDS FOR SOLAR PV AND BESS INSTALLATION**

We hereby confirm that the Lithium Iron Phosphate batteries proposed by for the Installation of Household Solar PV Solutions at eNkovukeni Village fully comply with the following type tests and standards.

1. **Compliance with Type Tests:**
   1. SANS 62619:2022
      1. External short-circuit test
      2. Impact test
      3. Drop test
      4. Thermal abuse test
      5. Overcharge test
      6. Forced discharge test
      7. Internal short circuit test / Propagation test
      8. Overcharge control of voltage
      9. Overcharge control of current
      10. Overheating control
   2. SANS 62620:2023
      1. Discharge performance test
      2. Charge retention and recovery test
      3. Cell and battery internal resistance test
      4. Endurance test

The proposed Lithium Iron Phosphate batteries have undergone the specified type tests to confirm their compliance with South African National Standards. Should type test certificates be required, Eskom will have access to these documents through the respective product OEM, provided by .

**2. Compliance with Standards:**

1. UN38.3 (United Nations Manual of Tests and Criteria, Part III: Section 38.3) certification
2. SANS 62133-2:2022 – Lithium systems
3. SANS/IEC 62619:2022 – Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries, for use in industrial applications.
4. IEC 63056 Ed. 1.0 b:2020 – Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes – Safety Requirements for Secondary Lithium Cells and Batteries for Use in Electrical Energy Storage Systems.

The adherence to these standards ensures a high level of system integrity, safety, and performance.

Should you require further information or documentation regarding these tests and standards, please do not hesitate to contact us.

Yours sincerely,

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