**ANNEXURE MT-6: PARAMETERS OF BESS FOR REAL TIME TELEMETRY**

**Following parameters need to be telemetered at SLDC:**

* + 1. Operating Mode:
       - 1. Grid connected/Standalone mode
         2. Automatic/Manual mode
         3. Charge/discharge
    2. Measurements (Voltage, Current, P, Q, Status of Charging, charge/discharge rate freq., energy export/import)
    3. Events and alarms Breaker position/operation
    4. BESS Start Inhibit Status
    5. Ambient Temperature
    6. Parameters of PCS such as active power, reactive power, power factor, operating DC voltage etc.
    7. Number of battery inverters in operation and Number of battery inverters available in BESS
    8. Full pack energy: Estimated maximum energy capacity of the batteries
    9. Energy remaining: Estimated energy remaining of the batteries
    10. Available maximum capacity: State of energy available in batteries
    11. Possible charge and discharge power
    12. Local MW setpoint
    13. Reference set points for voltage, power factor and reactive power control
    14. Local limit for charge and discharge
    15. Charge and discharge ramp up and ramp down rates
    16. MW reference (AGC)
    17. AGC availability status
    18. Control mode: AGC/Local
    19. Indication of frequency control status
    20. Indication of control modes; voltage, power factor, reactive power
    21. State of Charge (SOC)(Mwh)
    22. Maximum/Minimum State of Charge (Mwh)