**ANNEXURE MT-7: AGC SIGNAL LIST TO BE MADE AVAILABLE TO NLDC/ NERLDC/SLDC**

1. **Analog Data**
   1. Unit Load Set Point (ULSP) MW or Base Point
   2. Ramp Limited Unit Load Set Point (RULSP)
   3. Actual Generation MW
   4. Cap\_Max in MW
   5. Cap\_Min in MW
   6. RGMO/FGMO/Governor input to governor
   7. Delta P feedback
   8. Flexible DeltaP Limit (MW)
   9. Reactive Power Actual MVAR
   10. AVR Voltage Set Point
   11. Low Voltage (LV) side Actual Voltage
   12. Generator Transformer (GT) Tap Position
   13. Distribution Factor (fraction for distribution of AGC DeltaP in between the units of the power plant)
   14. P1 in MW
   15. P2 - P3 in MW (Forbidden zones or high cavitation zones) – separate for pump and generator. Positive values for generation, negative for pumping modes.
   16. P4 in MW
   17. Declared Energy for the day in million units (MU)
   18. Schedule Energy in MU (Cumulative for the day)
   19. Water gross head (meter)
2. **Digital Input data required per generating unit**
3. Circuit Breaker Status on/off: Double Point signal (2 - CB closed, 1 - CB open, 0 - in between)
4. Governor status on/off: Single Point signal
5. AGC Local/Remote: Single Point digital signal (0 – Local, 1- Remote).
6. Pumping Status on/off: Single Point digital signal (0 – Gen, 1- Pump).
7. **Data sent from NLDC/ NERLDC/SLDC to Power plant**
8. AGC Set Point – Analog (positive for Gen / Negative for Pump)
9. AGC Suspend Status – Digital double point signal
10. SCED schedule - Analog