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ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in

MINUTES OF PREBID MEETING

Bid Identification No.:	AEGCL/MD/TECH-1042/PSDF-II/Guwahati Islanding Scheme/2024/BID
NIT No.:	AEGCL/MD/TECH-1042/PSDF-II/Guwahati Islanding Scheme/2024/NIT Dated 05.08.2026
Name of the Work	Implementation of Islanding Scheme of Guwahati
Funding Agency	Power System Development Fund (PSDF)
Date of Pre-Bid Meeting	21/08/2026
Venue of Pre-Bid Meeting	Conference Room O/o the MD, AEGCL, 1 st Floor, Bijulee Bhawan, Paltan Bazar, Guwahati-01

OPENING REMARKS:

Smt. Jayashree Devi, CGM (PP&D), AEGCL extended a warm welcome to all the prospective bidders and introduced his team.

Sri Ashutosh Bhattacharjee GM (TCC), AEGCL briefed on tender Implementation of Islanding Scheme of Guwahati under PSDF. It was assured to the prospective bidders that comprehensive reply/clarifications shall be prepared and uploaded in the AEGCL site as well as e-tender portal in response to their raised queries on the bid document.

NAMES OF THOSE PRESENT (Attendance Sheet enclosed herewith):

1. FROM EMPLOYER:

1. Smt. Jayashree Devi, CGM (PP&D), AEGCL
2. Sri Arunav Gogoi, GM (NEAP), AEGCL
3. Sri Ashutosh Bhattacharjee, GM (TCC), AEGCL (Through VC)
4. Sri Arup Sarma, AGM (LA, Comm.), AEGCL
5. Sri Dhriti Lochan Hazarika, AGM (BD), AEGCL
6. Sri Abhishek Kalita, DM (LA, T&C), AEGCL
7. Priyojit Bonikya, DM (BD), AEGCL

Handwritten signatures in blue ink at the bottom of the page.



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2. FROM PROSPECTIVE BIDDERS:

A. BIDDERS THAT WERE PRESENT AT THE PRE-BID MEETING:

1. M/s Electric Power Group.
2. M/s YAN Engineers
3. M/s Siemens Limited
4. M/s RBH Solutions Private Limited (Through VC)
5. M/s Orbit Techsol India Pvt. Ltd (Through VC)
6. M/s INVAS Technologies Pvt. Ltd. (Through VC)
7. M/s Larsen & Toubro Ltd. (Through VC)
8. M/s Schweitzer Engineering Laboratories. (Through VC)

MEMBERS OF THE PRE-BID COMMITTEE:

1. The CGM (PP&D), AEGCL
2. The CGM (O&M), CAR, AEGCL
3. The CGM (TCC), LAR, AEGCL
4. The GM (T&C), AEGCL
5. The GM (NEAP), AEGCL
6. The DGM (F&A), AEGCL
7. The DGM (BD&T), AEGCL
8. The DGM (NEAP), AEGCL
9. The AGM (LA, Comm.), AEGCL
10. The AGM (BD), AEGCL
11. The AGM (LAW), AEGCL
12. The DM (LA, T&C), AEGCL

The queries submitted by the prospective bidders were discussed by the Pre-Bid Committee and the observations made are as follows in Table-1.


D. L. Hazarika
AGM (BD)
O/o the MD, AEGCL


R. Sarma
DGM (NEAP)
O/o the MD, AEGCL


Bikram Bordoloi
DGM (BD & Tariff)
AEGCL


DEPUTY MANAGER
PROTECTION CELL
O/o THE DGM, MRT CIRCLE
ST. NARENGI, GHY - 28


Arunav Gogoi
GM (NEAP)
O/o the MD, AEGCL


CGM (PP&D)
O/o the MD, AEGCL


D. Chakraborty
AGM (LAW)
O/o the MD, AEGCL

Table-1

QUERIES ON BID DOCUMENT

Sl. No.	Clause of Specification	Queries on Specification.	Clarification from AEGCL
1	Qualifying Criteria - Point no. 2 of qualifying requirement criteria mentioned in bid volume I document, page no. 22 and 23: The bidder shall also have experience of similar type of PMU and PDC based Grid Islanding system (scheme for more than 100 MW load) in Indian Power Utility in the last 2 years. If the same is under execution, bidder shall submit documentary evidence like PO of similar work.	EPG request to kindly amend qualifying requirement clause (point no 2), as PMU/ PDC based grid islanding scheme is a new concept and is yet to be implemented in India. EPG is a USA based leading provider of Wide area monitoring system with deployments at major system operators and utilities across the world. We have been in business of Synchro phasor technologies since 2000 with over 400 person-years invested, we are uniquely positioned to deliver on this project. EPG also have good experience in India with the one of the world's largest deployments of EPG's Wide Area Monitoring System (WAMS) for Gujarat Energy Transmission Corporation Limited (GETCO), and a similar deployment underway for Odisha Power Transmission Corporation Limited (OPTCL). Considering our experience and interest, we kindly request you to remove or amend tender clause point 2, page no 22 with the following clause: a. The bidder shall have implemented at least one WAMS Software Project for real time monitoring with PMU and PDC based system sized for more than 400 PMUs for an Indian Power Utility in the last 5 years for a Control Center of a Load Dispatch Centre. EPG Further request: - Either AEGCL can remove point 2 of tender clause and add qualifying criteria as requested in clause a (mentioned above), which mandates to have experience in WAMS (wide area monitoring system) as one of the qualifying criteria. - Or, AEGCL can add one more qualifying criterion as QR point 3, and allow vendor to qualify with either clause Point 2 of tender qualifying criteria or request clause (a) - Alternatively, AEGCL can include WAMS criteria (mentioned above) as additional QR criteria as QR clause 3 and allow bidders to meet any two of the qualifying criteria	Please refer to the Corrigendum-II/Addendum-I Sl. No. 1.
2	Technical Criteria - Bid Vol II, Page no. 20: Clause 1.10 Initiation of Islanding formation (Stage- 1)	The narrative and Figure 5 show local UFR-to-HDR tripping, while Clauses 2.1 and 3.2 also describe PDC/CCU-issued islanding commands. Please confirm whether Stage-1 Island formation at 47.9 Hz is to be initiated autonomously by local UFRs through hardwired HDR circuits, or by a central command/permissive from the SLDC/NERLDC PDC/CCU. If both paths are required, define the primary path, backup path, interlocks, and precedence.	The Island creation will be done by the UFR relays (UFR relay will send the trip signal to the HDR and the HDR will trip the respective Circuit Breakers)
3	Technical Criteria - Bid Vol II, Page no. 31 to 34: Clause 3.2, 3.2.2, 3.2.3: Protocol and Command Interface	Several clauses use 'IEC 61850 or Secure IEC 104' or 'and/or', whereas Clauses 3.2 and 3.2.3 appear to mandate both. EPG's native control interface is IEC 104. Request, AEGCL to accept IEEE C37.118.2 for synchro phasor data and IEC 60870-5-104 for all islanding, load shedding, generator-trip, reset, acknowledgement, and SCADA interfaces, without native IEC 61850/GOOSE/RGOOSE/IEC 61850-90-5 in the EPG PDC/CCU	As per Bid
4	Technical Criteria - Bid Vol II, Page no. 24 Clause 2, PMU Signals, Timing and Network	The dual-control-center architecture depends on PMU client capacity and WAN design. Please confirm whether PMU data to SLDC and NERLDC will use two independent TCP sessions, UDP unicast, or multicast, and provide the expected aggregate bandwidth, network latency, packet loss, and path diversity.	As per Bid
5	Technical Criteria - Bid Vol II, Page no. 39 Clause 3.2.11: Design and sizing parameters for CCU	The tender references 100 PMUs/1,200 phasors at 50 fps and 65,000 points but does not give the installed field quantity. Please confirm the actual base sizing and acceptance load: number of PMUs, number of phasors and total points, reporting rate, number of output streams, archival rate, and the 50% spare-capacity test case.	Refer to BOQ for details
6	Technical Criteria - Bid Vol II, Page no. 36 Clause 3.2.4: PLC Logic	Instruction List is not part of the latest IEC 61131-3 edition, and logic portability depends on the agreed language. Please confirm whether IEC 61131-3 is the governing PLC logic standard. Clause 3.2.4 references IEC 61131-1 and includes Instruction List; please state the required edition and acceptable languages for implementation.	As per Bid
7	Technical Criteria - Bid Vol II, Page no. 54 Clause 3.8.4: Data Archival	Storage hardware and database sizing depend on the final retention policy. Please reconcile archive requirements: 90-180 days for full-rate synchro phasor data, minimum one year for PMU COMTRADE files, and 180 days for logs. Provide the required retention at each control center, estimated annual data volume, backup policy, and storage expansion responsibility.	As per Bid (The DR facility in the PMU should be similar to a general numerical IED)












8	Technical Criteria - id Vol II, Page no. 64 to 68: FAT, SAT, Training, Warranty and AMC	The tender requires an integrated islanding demonstration but does not define the test harness. Please confirm the FAT/SAT simulator and test-data expectations, including PMU playback/injection, frequency and ROCOF scenarios, breaker/HDR I/O simulation, IEC 104 command endpoints, redundant-control-center failover, and required pass/fail tolerances	As per Bid
9	Other Request by M/s EPG	Request to kindly share additional documents as mentioned: - Final single-line diagrams and pre-/post-island topology. - Station-wise PMU, UFR, HDR, breaker, CT/PT, DI/DO and communication schedules. - Approved Stage-1 trip matrix and Stage-2 load/generator merit-order matrix. - SLDC/NERLDC network and cybersecurity zoning diagrams. - Existing PDC, SCADA/EMS and URTDSM interface details. - Dynamic-study cases, generator/load models, and accepted setpoints. - FAT/SAT test philosophy, acceptance limits, and outage/commissioning schedule.	As per Bid
10	Bid Vol-II, Clause No. 1.2, 1.11 Details of generating stations participating in islanding	We understand that we shall only monitor the status of the generating units and shall not consider any controlling in scope of work.	As per Bid
11	Bid Vol-II, Clause No. 1.4 Categorization of loads based on priority	Will the Priority List be static, or does it require the ability to change load priorities dynamically from the HMI?	Will be dynamic
12	Bid Vol-II, Clause No. 1.5 islanding forming loads and ICTs	To ensure the PDC/CCU correctly identifies 'Stage-1' (Initiation), it must know the real-time status (Open/Close) of all breakers. Are these breakers currently equipped with IEDs that support IEC 61850 GOOSE/R-GOOSE? If not, providing the necessary hardwired-to-fiber converters to ensure the PDC/CCU receives status updates within the required millisecond window shall be in Siemens scope?"	The CB etc. status will be wired to the supplied PMUs. The PMUs report the same to the PDC/Master Software
13	Bid Vol-II, Clause No. 2.1 All PMUs installed at the substations will report their synchro-phasor data simultaneously to two PDCs/CCUs: •One installed at SLDC. •Another installed at NERLDC.	Does it mean redundant PDC is required ? If yes, which one shall be the master ?	As per Bid
14	Bid Vol-II, Clause No. 2.1 The contractor shall arrange for conducting the cyber security audit of entire Islanding scheme system (free of cost) through CERT-In empanelled auditor before operational acceptance of the system. The contractor shall submit the signed report of the cyber security audit. Further the contractor shall ensure to close all the vulnerabilities (if any) found in the cyber security audit before initiation of guarantee period. The contractor shall ensure that Security and Testing of Cyber Assets of Islanding Scheme shall be carried out as per the Article 13 of CEA (Cyber Security in Power Sector) Guidelines, 2021.	Cyber security audit is limited to the Siemens supplied system or shall include the associated system at SLDC and NERLDC also, kindly confirm	As per Bid
15	Bid Vol-II, Clause No. 3.1, 3.2.1-k The PMUs shall be compatible with secure IEC 60870-5-104 and IEC 61850 communication protocols. The CCU/PDC shall be capable of issuing islanding commands to the PMUs using IEC 61850 R-GOOSE or secure IEC 60870-5-104, and shall also report the required data points to the SLDC/NERLDC SCADA over secure IEC 60870-5-104.	we understand trip command for PMU shall be issued from PDC over IEC 61850 R-GOOSE or secure IEC 60870-5-104 Kindly confirm	As per Bid











16	Bid Vol-II, Clause No. 3.1.6 The PMUs shall support multiple protocols to ensure interoperability with CCU and SCADA systems. These shall include: •Routable GOOSE (R-GOOSE) and IEC 61850-90-5, •IEEE C37.118.2-2011 (Communication), IEEE C37.118.1-2011 with Amendment IEEE C37.118.1a-2014 (Measurement), or IEC/IEEE 60255-118-1:2018 (preferred), •IEC 61850 Editions 1 and 2, •IEC 60870-5-104 Client and Server protocols with secure implementation in compliance with IEC 62351-5 and IEC 62351-3 to ensure authentication, encryption, and integrity of communications. •IEEE 1588 PTP or SNTP/NTP or IRIG-B for precise time synchronization.	We understand that PMUs shall have IEC 61850, IEEE C37.118, and IEC 60870-5-104 protocol for communication with PDC/CCU. Please confirm.	As per Bid
17	Bid Vol-II, Clause No. 3.1.8 The PMU shall be supplied with a GNSS & NaVIC receiver for accurate time synchronization. The internal PMU clock shall be synchronized with the GNSS & NaVIC clock and revert to an internal oscillator with stability of at least 1 ppm upon loss of GNSS & NaVIC signal. The PMU shall generate an alarm in the event of GNSS signal loss, and the alarm shall be transmitted to the PDC. The PMU shall maintain TVE, frequency error, and ROCOF within the limits specified in IEEE C37.118 and its amendments. The PMU shall also time synchronise with control centre's clock over NTP for time synchronization, in case of failure of GNSS & NaVIC.	PMU's time sync required shall be on PTP or IRIG B ? It is mentioned a failover to NTP (Network Time Protocol) if GNSS/NaVIC fails. However, NTP typically provides millisecond-level accuracy, whereas PMU phase angle measurements for islanding require microsecond-level precision. In the event of a failover to NTP, will the Islanding Scheme logic be automatically blocked to prevent mal-operation due to the increased time-sync error, or is there a degraded accuracy mode is accepted?"	As per Bid
18	Bid Vol-II, Clause No. 3.1.16 • The PMU shall support redundant communication paths over Ethernet and fiber. Dual redundant AC/DC power supply inputs shall be provided. End-to-end latency shall not exceed 20 ms for P-Class operation at 50 fps, in compliance with IEEE C37.118.	Does this 20 ms include the processing time at the CCU/PDC and the network transmission time for the islanding command to reach the trip relays? To ensure the stability of the Guwahati Island, could the customer clarify the total permissible time from the detection of a frequency event at the PMU to the physical opening of the islanding breakers?"	As per Bid
19	Bid Vol-II, Clause No. 3.1.12 • Data Streaming** The PMU shall support multiple independent data streams. Each stream shall be individually configurable with respect to contents, reporting rate, class of service (P or M), communication mode (TCP/UDP), and destination IDCODE.	More information needed on this point	As per Bid
20	Bid Vol-II, Clause No. 3.1.1-k The application processing latency of the PDC/CCU shall not exceed 2 ms for up to 100 PMUs and 5 ms for up to 500 PMUs	Does this 2ms include the total time from the arrival of the last phasor in a time-slot to the execution of the islanding logic and the issuance of the trip command, or is it strictly for data concentration?	As per Bid
21	Bid Vol-II, Clause No. 3.2.1-u The PDC/CCU shall support archiving of data in relational databases and COMTRADE file formats	The DR functionality shall be the integral part of PDC or separate system to be considered	As per Bid












22	Bid Vol-II, Clause No. 3.2.1-e, 3.2.1-q e. The PDC/CCU shall detect configuration changes by comparing newly received configuration files with previously stored versions. Upon detecting a change, it shall take action based on user-defined rules to reconfigure its outputs and communicate changes to all affected destinations and applications. In addition, the system shall support secure remote configuration of PMUs or other PDCs from the PDC, with proper authorization and authentication. q. The PDC/CCU shall support automatic backup of configuration files and logs, with restoration capability in case of hardware or software failures.	How does the PDC manage the write-back of configuration changes to PMUs? Does it support the 'Command Frame' structure for remote setting changes, and how is the 'Authorization and Authentication' handshake performed to meet the security requirement?"	As per Bid
23	Bid Vol-II, Clause No. 3.3.1 a. The NMS shall automatically discover all devices on the network, including but not limited to routers, switches, firewalls, servers, storage systems, access points, PMUs, GNSS receivers, printers, and other connected devices. b. Discovery shall be possible through IP range scans (start-end IP), topology learning, and SNMP-based detection.	AEGCL to confirm that the remaining legacy devices available on the network support SNMP based detection	As per Bid
24	Bid Vol-II, Clause No. 3.3.7 All alarms, logs, and events shall be time-stamped using GNSS/NTP/IEEE 1588 to ensure precise correlation with synchro-phasor and SCADA data.	NMS logs to be time-stamped using GNSS/IEEE 1588 for correlation with synchro-phasor data. Please confirm the required precision for NMS logs. While PMU data requires microsecond precision, is millisecond precision sufficient for NMS event logs to ensure correlation?"	As per Bid
25	Bid Vol-II, Clause No. 3.3.7 a) The NMS shall be designed with redundancy for critical components such as appropriate raid configuration of server hard drive, including dual power supplies, dual ethernet port etc.	In the event of an NMS server failover, what is the Recovery Time Objective (RTO)	As per Bid
26	Bid Vol-II, Clause No. 3.3.8 NMS Access and User Interface d) The solution shall ensure that multiple concurrent users can securely access the NMS, with activity logging and audit trails maintained for all access sessions.	Is it possible to define the maximum number of concurrent sessions expected during a major grid event? This will help us determine the necessary web-server resources and load-balancing requirements	As per Bid
27	Bid Vol-II, Clause No. 3.4 NaVIC & GNSS based Time Synchronization Equipment The PMUs and CCU/PDC require precise time synchronization with Coordinated Universal Time (UTC). For this purpose, GNSS & NaVIC-based time synchronization receivers shall be supplied, installed, and commissioned at control rooms and substations as specified in the BoQ.	Do we need to supply GPS that requires simultaneous reception of both constellations or if a receiver that supports both but operates on one at a time is acceptable.	As per Bid

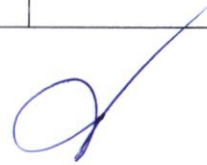
28	Bid Vol-II, Clause No. 3.4.3 The receiver shall be capable of operating with either NaVIC or GNSS satellite signals. The primary source of synchronization (NaVIC or GNSS) shall be user-selectable and finalized at the time of implementation. In the event of a failure or loss of the selected primary source, the receiver shall provide automatic fallback to the alternate source while maintaining the required time accuracy. The switchover between NaVIC and GNSS shall be seamless and shall not interrupt synchronization of the PMUs.	Do we need to supply GPS that requires simultaneous reception of both constellations or if a receiver that supports both but operates on one at a time is acceptable.	As per Bid
29	Bid Vol-II, Clause No. 3.4.1 General Requirements The time synchronization receiver shall provide UTC reference signals with sufficient accuracy to ensure that the Total Vector Error (TVE) of associated PMUs remains within the limits specified by applicable standards. The receiver shall clearly indicate synchronization status, including loss of signal, reacquisition progress, and current accuracy. It shall include propagation delay compensation and provide offset correction to local time, thereby achieving an overall time accuracy of at least ± 0.2 microseconds with respect to UTC. Following loss of signal and subsequent reacquisition, the receiver shall return to within ± 0.2 μs of UTC within one minute. The unit shall also support proper leap-second correction.	The specification mandates a return to ± 0.2 μ s accuracy within one minute of reacquisition. However, it does not specify the holdover accuracy required during a GNSS/NaVIC signal loss. clarify the maximum permissible time drift (e.g., in microseconds per hour) when the satellite signal is unavailable to determine whether an Oven Controlled Crystal Oscillator (OCXO) or a Rubidium oscillator is required."	As per Bid
30	Bid Vol-II, Clause No. 3.4.2 Standards Compliance The time synchronization receiver shall support IRIG-B time profile as defined in IEEE C37.118.1-2011, IEEE C37.118.1a-2014, and IEEE C37.242-2013. It shall comply with IEC/IEEE 60255-118-1:2018 standard for synchro-phasor measurement requirements and shall also be fully compliant with IEEE 1588v2 Precision Time Protocol (PTP). These provisions will ensure interoperability with PMUs, CCUs/PDCs, and other compliant equipment.	PMU time synchronization required on IRIG B or PTP ? Which PTP profile shall be provided - Power Profile C37.238 or Utility Profile IEC/IEEE 61850-9-3	As per Bid
31	Bid Vol-II, Clause No. 3.4.6 A single GNSS & NaVIC receiver unit shall be capable of providing synchronized time to all PMUs and associated devices installed at the respective substation or control centre, as specified in the BoQ. The receiver shall be designed for 24x7 continuous operation under utility-grade environmental conditions, ensuring reliability and long-term performance.	PMU time synchronization required on IRIG B or PTP ?	As per Bid









32	Bid Vol-II, Clause No. 3.8.4 3.8.4 Data Archival and Reporting** The PMU/CCU shall automatically archive Disturbance Recorder (DR) files from PMUs in IEEE COMTRADE format, preserving them at full fidelity and at the native sampling rate of each PMU. These files shall be stored on the HMI PC for a minimum of one year, and the storage system shall be appropriately sized to accommodate this requirement. The bidder shall supply all necessary tools for extracting, visualizing, and analyzing these data. The system shall also record all islanding and restoration events at the CCU and provide facilities for generating user-customizable reports. These reports shall include, at a minimum, details of event time, triggering frequency, generation and load before and during the event, breaker and line tripping times, feeder-wise load shedding, feeder prioritization, and bus voltage and frequency.	Specification requires the PDC/CCU to 'automatically archive' DR files from field PMUs. please specify the preferred communication protocol for this file transfer- MMS (IEC 61850-8-1), FTP/SFTP ? Do we need to provide standalone Disturbance recorder or it shall be the integral part of PDC The reports to be generated automatically following an islanding event, or is this a manual query-based function	As per Bid
33	Bid Vol-I, Clause No.: 1.1.2.1–1.1.2.4 ITB contains JV provisions, but Clause 1.1.2.4(f) states that JV is not allowed to participate.	TITLE: JV Participation – Two-Partner Complementary Capability Considering the multi-disciplinary nature of the scheme—PMU/PDC, islanding logic, UFR/HDR, communications, SCADA/EMS integration and power-system automation—please permit participation by a JV/Consortium of not more than two technically and financially capable companies with complementary expertise, subject to joint and several liability. Suggestion Delete the prohibition on JV participation and expressly permit a maximum two-partner JV/Consortium with a designated Lead Partner and notarised JV Agreement.	As per Bid
34	Bid_Vol-I + CSPTCL Raipur Islanding PQR Clause No.: 2.4.2; CSPTCL PQR 1(A)/(B) AEGCL requires SCADA/EMS/ADMS controlcentre experience and PMU/PDC grid-islanding experience. CSPTCL's Raipur Islanding PQR recognises Islanding/ADMS project capability.	TITLE: Alternative Technical Qualification – ADMS / PMU-UFR Islanding Experience Kindly consider an alternative qualification route: (A) successful implementation of an ADMS project for 132/33 kV Sub-Stations in the last 7 years with at least 2 years successful operational experience; OR (B) successful implementation of a PMU and UFR based islanding project for any Government Indian utility in the last 7 years with at least 1 year successful operational experience. Suggestion Amend the technical qualification criterion to accept either route, supported by PO/contract, commissioning/completion and performance/operational certificates.	As per Bid
35	Bid_Vol-I Clause No.: 2.3–2.4 Financial JV thresholds are specified, but the technical table does not clearly state how complementary experience is combined.	TITLE: JV Technical Qualification – Complementary Experience Please clarify that one JV partner may demonstrate ADMS/SCADA/control-centre capability while the other demonstrates PMU/PDC/UFR/islanding/protection capability , with the JV collectively demonstrating the complete technical capability. Suggestion Request to Issue an explicit JV qualification matrix covering financial and technical responsibility with consideration of the joint capability of consortium partners PMU/PDC/UFR/islanding/protection capability through any project delivered for power utility , with the JV collectively demonstrating the complete technical capability.	As per Bid
36	Bid_Vol-II Clause No.:1.3–1.8, 1.10 The document identifies participating generation, loads, substations, UFR locations and island-forming elements; additional quantities are also contemplated.	TITLE: Final Island Boundary and Participating Elements Please provide the final bid-stage list and quantity of participating substations, generators, PMUs, PDC/CCUs, UFRs, HDRs, panels, communication endpoints and control points. Please clarify how additions from detailed engineering/system study will be treated. Suggestion Issue an authoritative bid-stage equipment/location schedule; additions beyond the baseline should be handled through contractual quantity variation/change control.	Present in BOQ

37	Bid_Vol-II Clause No.:1.11–1.12; 2.1 The Contractor is to implement islanding/load-generation balancing logic, with detailed engineering consultation with the Owner.	TITLE: System Study Responsibility and Deliverables Please clarify whether formal load-flow, dynamic/transient/stability and islanding system studies are included in Contractor scope, who provides base-case models/data, the number of scenarios and required study deliverables. Suggestion Define study scope, inputs, scenarios and approval deliverables; additional modelling/data development outside the defined baseline should be Change Control.	As per Bid
38	Bid_Vol-II Clause No.:1.11; Figures 6–7 Figures describe load-generation ratio cases and priority-based load shedding/generator tripping.	TITLE: Islanding Logic – Final Thresholds and Priority Sequence Please confirm final numerical thresholds, load/generation priority lists, generator availability/ramping assumptions, blocking/interlocking and restoration philosophy to be used for bid engineering and pricing. Suggestion Issue an approved Logic Design Basis/Cause-and-Effect Matrix. Changes beyond the baseline should be treated through Change Control.	As per Bid
39	Bid_Vol-II Clause No.:1.5–1.8; 3.9–3.14 The scheme depends on existing UFRs, breakers, CT/PT, panels, SCADA and communication infrastructure, with new equipment and wiring.	TITLE: Existing Equipment / Retrofitting Responsibility Please provide a site-wise interface matrix identifying existing equipment to be reused, modified, replaced or newly supplied, including CT/PT cores, breaker trip circuits, DC systems, RTU/SCADA interfaces, panel space and wiring. Suggestion Limit Contractor scope to identified interfaces/retrofits; unforeseen major replacement of existing utility assets should be separately approved and paid.	As per Bid
40	Bid_Vol-II Clause No.:2.1; 3.5–3.6 Architecture relies on the ULDC/AEGCL fibre backbone and requires routers/switches and communications equipment.	TITLE: Communication Backbone – ULDC/AEGCL Fibre Availability Please confirm availability of adequate fibre cores, end-to-end optical paths, bandwidth, termination points, racks/power and redundant paths at all participating sites. Please clarify whether new OPGW/fibre/FOTE/SDH works are excluded. Suggestion Provide a connectivity schedule and Employer-dependency matrix. Major backbone augmentation should be excluded unless explicitly itemised.	As per Bid
41	Bid_Vol-II Clause No.:3.1.0–3.1.1 PMUs are to be connected to available CT/PT cores, with final core selection during detailed engineering.	TITLE: PMU CT/PT Interface and Available Core Responsibility Please provide CT/PT core availability, class, burden, existing utilisation and wiring distances for each participating bay. Clarify whether new CT/PT cores, protection modifications or major rewiring are in scope. Suggestion Issue a site-wise CT/PT interface schedule; new CT/PT/protection modifications should be separately identified.	As per Bid
42	Bid_Vol-II Clause No.:3.1.7; DRS 5.2 PMU measurement coverage is specified and DRS gives minimum channel/port requirements.	TITLE: PMU Quantity and Bay Coverage Please confirm exact PMU quantity and monitored bays at each substation/generator and whether every listed participating bay requires a PMU. Suggestion Issue final PMU/bay matrix; additional PMUs/bays beyond the baseline should be treated as variation.	As per bid
43	Bid_Vol-II Clause No.:3.2.9–3.2.11; DRS 5.1 PDC/CCU requires at least 65,000 data points and 50% expansion capability, with significant PMU/output sizing.	TITLE: PDC/CCU 65,000-Point and 50% Expansion Baseline Please clarify whether 65,000 points and 50% expansion are Day-1 operational, reserved hardware, licensed capacity, or a combination; also clarify the Day-1 licence quantity. Suggestion Separate Day-1 hardware/licence from reserved future capacity. Future activation/licences should be separately priced	As per bid
44	Bid_Vol-II Clause No.: 4.2.3–4.2.7; 3.2.11 FAT covers sizing, redundancy, performance and islanding demonstrations, while future expansion capacity is required.	TITLE: FAT Demonstration of Future Capacity Please define the objective FAT method for demonstrating unpopulated future capacity using simulation/emulation and confirm that future field devices need not be physically supplied for FAT. Suggestion Approve a common FAT simulation/emulation procedure and acceptance criteria for future capacity.	As per bid
45	Bid_Vol-II Clause No.: 3.2.2–3.2.14 PDC/CCU must interoperate with PMUs and other PDCs, including multi-vendor systems.	TITLE: Third-Party PMU/PDC Interoperability and Proprietary Licences Please provide existing third-party PMU/PDC makes, models, firmware, protocols and interfaces. Clarify responsibility for proprietary API/connector/protocol licences and OEM engineering. Suggestion Provide an existing-device integration schedule. Proprietary third-party licences/engineering should be Employer-arranged or separately priced.	As per bid











46	Bid_Vol-II Clause No.: 3.2.2; 4.3.2 Integration with SLDC/NERLDC SCADA/EMS using IEC 60870-5-104/ICCP and other protocols is required.	TITLE: SCADA/EMS/NERLDC Interface – Data and Responsibility 1. Please provide exact data points, command points, addressing, endpoints, firewall rules and existing gateway availability. 2. We understand that existing SCADA/EMS OEM engineering is in Employer/Purchaser's scope. Pl. confirm. Suggestion Provide an Interface Control Document/point list and responsibility matrix; proprietary third-party engineering/licences should be separately identified.	As per bid
47	Bid_Vol-II Clause No.:1.7; 1.10; 3.9; DRS 5.10 UFR locations and functionality are specified, but the existing/new relay boundary is not fully quantified.	TITLE: UFR – Existing vs New Relay Scope Please provide UFR-wise existing make/model/firmware, quantity and modification/reconfiguration requirements and confirm whether replacement of incompatible existing UFRs is included. Suggestion Issue a UFR asset/interface matrix; replacement should be included only where expressly listed or technically proven necessary.	As per bid
48	Bid_Vol-II. Clause No.: 1.8; 3.10; DRS 5.9 17–19; 56; 82–84 HDRs are required for breaker operation and load-generation balance.	TITLE: HDR/LGBR – Quantity and Breaker Interface Please confirm final HDR quantity, breaker assignment, trip-coil voltage, reset logic, auxiliary contacts and panel/breaker modification requirements. Suggestion Provide equipment-wise HDR/breaker interface schedule and explicitly identify any breaker/panel retrofit.	As per bid
49	Bid_Vol-II.1.7; 1.10–1.12; 3.9 15–22; 54–56 Stage-1 island formation uses UFRs; subsequent monitoring/control is performed through software.	TITLE: UFR / ROCOF / Software Coordination Please provide the exact sequence between UFR operation, PMU/ROCOF detection, island confirmation, HDR action, load shedding/generator tripping and restoration, including blocking/interlocks and expected timing. Suggestion Issue a complete sequence-of- events/cause-and-effect matrix for bid-stage engineering and FAT/SAT.	As per bid
50	Bid_Vol-II.2.1 23–25 Architecture shows redundant control centres at SLDC and NERLDC.	TITLE: Control Centre / NERLDC Scope Boundary Please clarify exact equipment quantities and installation responsibility at SLDC versus NERLDC, including PDC/CCU, HMI, NMS, GNSS, firewall, router and support facilities. Suggestion Issue a site-wise equipment matrix and identify Employer-furnished NERLDC facilities/dependencies.	As per bid
51	Bid_Vol-II.3.7.1–3.7.5; DRS 5.6 50–53; 78–80 NGFW has specified throughput/session/VPN/interface benchmarks and HA.	TITLE: NGFW Sizing and Traffic Baseline Please confirm expected simultaneous traffic, security-service throughput, sessions, VPN tunnels, growth factor and whether all benchmarks apply simultaneously under full security inspection. Suggestion Issue a common sizing baseline; future traffic growth beyond the stated design envelope should be separately priced.	As per bid
52	Bid_Vol-II.pdf 2.1; 7 24–25; 96–98 Cybersecurity audit and compliance with CERT- In/cybersecurity requirements are required.	TITLE: Cybersecurity Audit / CERT-In Scope and Auditor Appointment Please clarify audit scope, asset count, frequency, VAPT methodology, retest cycles, remediation closure and whether the independent CERT-In auditor is appointed by AEGCL or Contractor. Suggestion Define a fixed audit/retest scope and clarify auditor appointment. Major new audit/certification requirements should be Change Control.	As per bid
53	Bid_Vol-II. 2.1; 3.2; 3.7; DRS 24–25; 33–53; 68–85 Software must be fully licensed/updated and multiple platforms require multi-year support.	TITLE: Software Licensing – Day-1 vs Future Please provide consolidated licence metrics, Day-1 quantities, validity, AMC coverage and future expansion quantities for PDC, HMI, NMS, NGFW, routers, switches and applications. Suggestion Issue a consolidated licence matrix; mandatory base price should cover Day-1 requirements only, with future expansion separately identified.	As per bid
54	Bid_Vol-II.3.7.0; 6.5 50; 89–91 Lifecycle support/replacement is required during the contract period.	TITLE: EOL/EOS and Major Technology Refresh Boundary Please clarify whether EOL/EOS replacement is limited to equivalent replacement of supplied equipment or includes major platform migration, new OS/database, re-engineering and capacity enhancement. Suggestion Limit included EOL/EOS to like- for-like/functionally equivalent replacement required to maintain the contracted baseline; major migration/capacity upgrade through Change Control.	As per bid

55	Bid_Vol-I.+ Bid_Vol-II.pdf 3.1.1; Vol-II 6.1–6.5 Vol-I pp.43–44; Vol-II pp.86–91 Vol-I states separate AMC work order after DLP; Vol-II defines AMC scope/payment.	TITLE: AMC Start Date / DLP / Operational Acceptance Please confirm exact DLP duration, AMC commencement trigger, whether AMC pricing is mandatory and the precise definition of Operational Acceptance/Taking Over. Suggestion Use one contractual milestone definition for DLP completion, Operational Acceptance, Taking Over and AMC commencement.	As per bid
56	Bid_Vol-II. 6.6.1–6.6.2 91–96 Availability uses severity- weighted downtime for field devices and control centre.	TITLE: AMC Availability – Exclusions and Boundaries Please clarify exclusions for planned shutdowns, Employer/third-party communication failures, power failures, site access restrictions, force majeure and failures of existing non-supplied systems. Suggestion Publish an availability-exclusion matrix and exclude non-Contractor- caused events from availability deductions.	As per bid
57	Bid_Vol-II.6.6.1–6.6.2 92–96 Initial response/action resolution times are prescribed.	TITLE: SLA Clock-Stop for Employer / Third-Party Dependencies Please confirm that resolution clocks stop while awaiting Employer approval, shutdown permission, site access, OEM/third- party action or utility communication restoration. Suggestion Define SLA clock-stop conditions for documented Employer/third- party dependencies.	As per bid
58	Bid_Vol-II.pdf 3.2.9; 3.3.7; DRS 37–44; 68–85 Multiple systems require future expansion capability.	TITLE: Future Expansion / Additional PMUs / Points / Sites Please confirm that future addition of PMUs, PDC streams, substations, generators, network devices or control points beyond the published baseline will be separately priced. Suggestion Add explicit Change Control and a rate mechanism for additional hardware, licences, engineering, FAT/SAT and AMC.	As per bid
59	Bid_Vol-I. 3.1.2–3.1.3 43 BOQ quantities are provisional and may vary +20%/-20%.	TITLE: BOQ Quantity Variation vs New Scope Please clarify whether ±20% applies only to listed BOQ items or can introduce new categories of equipment/services not appearing in the BOQ. Suggestion Confirm that quantity variation applies only to existing BOQ line items; new equipment/categories/materially changed functionality require Change Order.	As per bid
60	Bid_Vol-II. 2.1–2.2; 4.3.2 23–26; 66–67 Integration depends on multiple existing utility systems and equipment.	TITLE: Existing SCADA/Protection/ Communication OEM Cooperation Please confirm AEGCL will arrange OEM cooperation, configuration access, proprietary tools, licences and third-party engineering required to interface with existing systems. Suggestion Provide an Employer-furnished OEM coordination matrix and separately identify proprietary third- party costs.	As per bid
61	Bid_Vol-II. 4.2–4.3 63–67 FAT/SAT include integrated system, redundancy, communication, cybersecurity and islanding tests.	TITLE: FAT/SAT – Third-Party Interface Dependencies and Retests Please clarify who provides simulation data, protocol endpoints, existing-system access and third-party representatives and how retesting is treated where a failure is caused by an external system. Suggestion Define a common test procedure, test cases, responsibilities and treatment of retests caused by Employer/third-party changes.	As per bid
62	Bid_Vol-II.2.2.1; 4.3.3 25–26; 67 Training is specified for control- centre and substation personnel, including 7-day durations.	TITLE: Training – Participants, Batches and OEM Training Please clarify whether participant numbers represent total trainees or batches, whether training is one-time/repeated and whether OEM certification/advanced engineering training is included. Suggestion Issue a training matrix by course, participant count, duration and location; additional batches/certification should be separately priced.	As per bid
63	Bid_Vol-II. 3.11–3.14 56–60 Panels, earthing, cabling and wiring are included.	TITLE: Panel / Civil / Space Readiness Please confirm availability of panel space, trenches/trays, cable entries, AC/DC supplies, earthing grid and access at each site. Clarify whether civil/structural works are included. Suggestion Issue site-readiness data sheets. Major civil/structural works not quantified in BOQ should be Employer/variation scope.	As per bid
64	Bid_Vol-II.3.13–3.14; DRS 58–60; 68–85 All interconnection cabling/wiring is in Contractor scope.	TITLE: Cable Lengths and Route Survey Please provide indicative/maximum cable lengths and route information for PMU, GNSS, relay, control and communication wiring and clarify whether detailed route survey is included. Suggestion Provide bid-stage cable-length assumptions; material excess over baseline should be measured/varied.	As per bid












65	Bid_Vol-II.4.1; component specifications 62–63 Type tests/certificates are required for applicable equipment.	TITLE: Type Test Matrix and Acceptance of Existing OEM Certificates Please issue a consolidated mandatory type- test/certificate matrix by equipment category and confirm acceptance of valid OEM certificates for the exact/equivalent offered model. Suggestion Issue one consolidated type-test matrix to prevent duplicate/non- applicable testing costs.	As per bid
66	Bid_Vol-II.4.3 65–67 SAT and integrated testing are required, but acceptance depends on multiple subsystems and interfaces.	TITLE: Operational Acceptance / Punch- List Criteria Please define measurable system acceptance criteria, treatment of non-critical punch points and third-party/Employer dependencies at the time of Operational Acceptance. Suggestion Introduce a controlled punch-list mechanism so non-critical/third- party issues do not indefinitely delay acceptance.	As per bid
67	Bid_Vol-II.pdf 3.2.10–3.2.11; 3.8.4; DRS 37–40; 53–54; 68–85 Time-series, archive, disturbance/event and COMTRADE data are required.	TITLE: Data Retention and Storage Sizing Please confirm mandatory retention period for PMU data, logs, DR/COMTRADE, reports and event records and whether storage is sized for Day-1 or future expansion. Suggestion Issue storage-sizing baseline and growth assumptions; retention beyond baseline should be separately priced.	As per bid
68	Bid_Vol-II. 3.4.3–3.4.7; DRS 5.4 44–46; 74–76 Dual-source GNSS/NaVIC and automatic fallback are required.	TITLE: GNSS/NaVIC Dual Source – Site Assumptions Please clarify whether both sources must be simultaneously available at each site or whether dual-source capability with automatic fallback is sufficient, and provide antenna/mounting assumptions. Suggestion Confirm site-wise antenna/cable assumptions and required availability criterion.	As per bid
69	Bid_Vol-II. 3.1.11; 3.2.13; 3.7.5; 7 29; 39–41; 52–53; 96–98 Periodic security patches/updates and cybersecurity lifecycle management are required.	TITLE: Cybersecurity Patch / Offline Update and Regression Scope Please clarify approved maintenance windows, offline update procedures for OT/isolated systems and the number of regression/revalidation cycles included in AMC. Suggestion Define patch governance, maintenance windows and included regression/revalidation cycles.	As per bid
70	Bid_Vol-II. 2.2 24–26 Contractor must provide engineering/configuration files for future modification.	TITLE: Engineering File Handover and OEM Proprietary Source Please confirm the required editable/native engineering file list and distinguish transferable configuration/engineering files from OEM proprietary source code that cannot legally be transferred. Suggestion Issue an approved handover matrix covering PDC/logic/HMI/network/security configuration and OEM proprietary limitations.	As per bid
71	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Time stability of internal clock Minimum 1 ppm	Recommend change to: Time stability of internal clock: $\leq 1 \times 10^{-10}$ (± 0.1 ppb), compliant with ITU-T G.812 Type I, using a High Quality OCXO or better. Reason: Provides improved holdover performance during GNSS failure, allowing the network to maintain accurate synchronization for a longer duration and ensuring greater service continuity during GNSS outages.	As per bid
72	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Accuracy of Synchronization $\leq 0.2 \mu s$ (microseconds) to UTC; $< 1.5 \mu s$ during resync	Recommend change to: $\leq \pm 40$ ns to UTC under GNSS locked conditions with controlled phase recovery during re-synchronization. Reason: The proposed system provides better synchronization accuracy under GNSS-locked conditions and complies with the PRTC-B performance requirement. This higher accuracy provides additional timing margin for downstream power-system equipment and helps ensure reliable synchronization of critical network elements, particularly for applications requiring high-precision timing.	As per bid

73	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Interfaces Minimum: 2 Ethernet port, 2 IRIG-B port, 2 PPS port	Recommend change to: Minimum: 2 Ethernet copper port, 4 Ethernet Optical 1G port, 2 IRIG-B port, 2 PPS port and 1 CLK (10MHz) ports Reason: The additional interfaces provide greater connectivity and redundancy for power-utility applications. Multiple Ethernet interfaces allow flexible network connectivity, while additional IRIG-B, PPS and 10 MHz outputs support simultaneous synchronization of different legacy and modern equipment. This reduces the need for additional interface converters/distribution equipment and provides better scalability for future expansion.	As per bid
74	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Time Synchronization Standards IEEE C37.118.1-2011, IEEE C37.118.1a- 2014, IEC/IEEE 60255-118-1:2018, IEEE C37.242- 2013	Recommend Change to: PTP Power and Utility Profiles: The equipment shall support IEC/IEEE 61850- 9-3, IEEE C37.238-2011, and IEEE C37.238-2017 for Precision Time Protocol (PTP) synchronization in power utility applications. Reason: The proposed standards are specifically focused on PTP-based synchronization in power-utility networks. They provide a more direct requirement for the PTP functionality of the timing system and ensure interoperability with PTP-enabled power-system equipment. The originally listed standards primarily address synchrophasor measurement performance and related applications, rather than defining the PTP profile implemented by the clock.	As per bid
75	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Power Supply Dual AC (100 to 230 V, 50Hz) and DC (48/90 to 250V, ±10% to -15%)	Recommend Change to: The device should support redundant hot swappable dual AC (100 to 230 V, 50 Hz) and DC (48/90 to 250 V, ±10% to -15%) Reason: Redundant and hot-swappable power supplies improve availability and maintainability of the timing system. A PSU can be replaced or serviced without interrupting the operation of the clock, while dual AC/DC inputs provide resilience against power-source or PSU failures. This is particularly beneficial for critical power-system infrastructure.	As per bid
76	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Cybersecurity Role-based access, password protection, firmware update validation, compliance with IEC 62443; all logs to be maintained	Recommend Change to: Role-based access, password protection, firmware update validation, compliance with IEC 62443 ; all logs to be maintained The system shall support detection of jamming, spoofing, and interference, using independent hardware and software mechanisms, and be capable of raising appropriate alarms. Reason: GNSS is an important external timing reference and can be vulnerable to jamming, spoofing and interference. Adding detection and alarm capability provides an additional layer of timing assurance by allowing operators to identify potentially compromised GNSS conditions and take corrective action before timing degradation propagates to critical network equipment.	As per bid
77	Bid Vol-II Clause No.: 3.4 GNSS & NavIC Time Synchronization Unit Performance Monitoring & Assurance The system should support a high accuracy synchronisation monitoring and assurance tool for continuous PTP performance evaluation and alarm generation (e.g MTIE, TIE, etc)	Recommend Change to: The system should support a high accuracy synchronisation monitoring and assurance tool for continuous PTP performance evaluation and alarm generation (e.g MTIE, TIE, etc) including raw performance data for analysis and troubleshooting. Reason: Adding access to raw performance data enables detailed investigation of timing degradation rather than relying only on alarms or summarized measurements. This supports proactive troubleshooting, root-cause analysis and long-term performance trending, thereby reducing the time required to identify and resolve synchronization issues.	As per bid
78	Bid Vol-I Clause No.: 2.4.2 Specific Experience Successfully implemented at least one similar OT project (SCADA /EMS /ADMS with Cyber Security) in an Indian Power Utility for a Load Dispatch Centre Control Centre during the last 10 years.	Please consider the projects where utility-grade real-time automation and control platforms with inherent cybersecurity features were deployed to implement the acquisition and control functionality. The implemented solution shall be from any utilities / industries within India.	Only projects involved with Govt. sector Utilities (Central/State) taken as Work experience
79	Bid Vol-I Clause No.: 2.4.2 Specific Experience Experience in implementing a PMU and PDC based Grid Islanding Scheme for more than 100 MW load in an Indian Power Utility within the last 2 years. If the project is still under execution, documentary proof such as PO/work order is acceptable.	The documentary proof such as PO/work order is noted and accepted and shall be provided	As per bid













80	General 1. Islanding Scheme Study 2. Power System Simulation Studies 3. Dynamic Stability Studies 4. Load Shedding Optimization Studies 5. Protection Coordination / Tripping Studies 6. Communication Latency Assessment 7. PMU Placement & Measurement Validation	Considering that the Guwahati Islanding Scheme is a critical WAMPAC application intended to protect more than 600 MW of load, it is recommended that detailed power system studies and end-to-end scheme validation be carried out prior to commissioning. The scope may include dynamic stability studies, load shedding optimization, protection and control coordination, communication performance assessment, and validation of the PMU-PDC-control architecture under various operating and disturbance scenarios. The complete solution should be verified through a hardware-integrated simulation platform to demonstrate end-to-end scheme performance, ensuring reliable operation and minimizing implementation risk.	Detailed system studies has already been carried out by NERPC. Remaining is as per bid
81	General Solution Longevity	Please consider PDC/WAMPAC platforms based on utility-grade real-time automation architectures that are independent of continuous commercial operating system maintenance and are supported through long-term firmware sustainment programs. Such platforms should provide long-term hardware availability, continued firmware support, cybersecurity updates, and manufacturer-backed lifecycle assurance. PMU and PDC Platforms must be supported by a manufacturer warranty (minimum 8-9 years) which will offer significant benefits in terms of operational continuity, reduced lifecycle cost, lower obsolescence risk, and long-term maintainability of the Islanding Scheme, thereby ensuring reliable operation throughout the intended life of the project.	As per bid
82	General Unified Solution	The Islanding Scheme is a critical application that requires fast and reliable operation during grid disturbances. Since islanding actions must be executed within a very short time, the solution should ensure seamless communication, predictable performance, and reliable coordination between PMUs, PDCs, and control functions. To reduce integration challenges, communication delays, and long-term maintenance issues, kindly consider a single technology platform for PMU and PDC functions. Such an approach provides native interoperability, consistent cybersecurity implementation, simplified support, and clear accountability throughout the lifecycle of the project.	As per bid
83	General Communication	Kindly consider WAMPAC architectures utilizing IEEE C37.118 synchrophasor communication, IEC 61850 integration, GOOSE messaging, and secure IEC 60870-5-104 based command transfer. Such architectures can provide reliable, secure, and low-latency exchange of synchrophasor data and wide-area control commands required for islanding applications	As per bid

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84	General	Kindly confirm the range of Voltage for Zone-1 & Zone-2 Tripping time.	Query not applicable
85	General	Kindly confirm the load shedding time	As per Bid
86	General	Kindly confirm PMU will be connected to the existing SAS network or dedicated network is required?	Dedicated network
87	General	Kindly confirm Whether the intertripping of remote end substation feeder is required to be implemented.	As per Bid
88	General	Kindly clarify if Direct tripping from PMU to CBs envisaged as per the requirement.	As per Bid
89	General	Islanding logic- Islanding execution at PMU level, kindly confirm.	As per Bid
90	General	Auto restoration of 33kV Feeders should be done based on load generation balance/load demand; kindly confirm.	No auto-restoration
91	Bid Vol-I, Cl. No. 3.18.0 Page No. 52/76 Commissioning spares:-	We found the requirement of spare in tender RFP whereas we could not locate the line item in BOQ, if required kindly add a line item in BOQ, also specify the qty of spare to be included.	As per Bid
92	Bid Vol-II, Cl. No. 1.6 Page No. 14 / 107, Categorization of loads based on Priority:- Due to the dynamic nature of the growth.....	Kindly confirm whether priority wise tripping list is final or it will change.	It will be dynamic and will change over time as per grid scenario
93	Bid Vol-II, Cl. No. 5.2 Page 71 / 107, Phasor Measurement Unit (PMU) PMU shall be able to measure parameters for minimum 5 Bays in single PMU	As per the technical specification PMU shall measure minimum 5 Bays, however only 8 DO is mentioned for each PMU in the specification. Kindly clarify.	Bays are for reporting. DO's are for issuing trip to ICTs.
94	BoQ 1, S.No.3.04, & S.No.3.07, Laser jet printer Furniture	We found the requirement for Printer and Furniture, But we could not find any DRS/GTP for Printer & furniture. Kindly provide GTP/DRS.	As per Bid
95	BoQ 1, S. No. 2.02 & 3.10, CAT6 UTP Ethernet cable	We found the requirement of CAT6 UTP Ethernet cable, but we could not locate the type of cable i.e. armored or unarmored cable, kindly clarify the type of cable.	As per Bid
96	Bid Vol-I, Cl. No. 2.4.1, Page No. 22/76 General Experience : Experience as a Manufacturer/Supplier in work(s)/contract(s) in last 5 (Five) years as on bid submission deadline	We notice in General Experience Criteria the requirement is shared i.e. Experience as a Manufacturer/Supplier in work(s)/contract(s) in last 5 (Five) years as on bid submission deadline, We would like to have clarity on Experience as a manufacturer/supplier in any commodity/utility/System etc. Kindly clarify.	As per Bid

Asmit





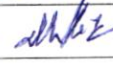


ATTENDANCE SHEET

Pre-bid meeting / discussion regarding the uploaded tender document issued by AEGCL for
"Implementation of Islanding Scheme of Guwahati under PSDF".

Venue – AEGCL(HQ), Bijulee Bhawan

Date – 21.08.2025

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3.					
4.	Arunav Goss	AEGCL	910126872		
5.	Rupjyoti Sarma	AEGCL	9678006071		
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