

Minutes Of Prebid Meeting for the work "Design, Manufacturing, Testing and Supply of 220kV Emergency Restoration System Tower at Central Assam Region"

Minutes of Pre-Bid Meeting held on	O/o the MD, AEGCL, 1 st Floor, Bijulee Bhawan, Paltan Bazar, Guwahati-01 dated 26.06.2025
Funding Agency	Fund Receiving from AERC
Name of the Work	"Design, Manufacturing, Testing and Supply of 220kV Emergency Restoration System Tower at Central Assam Region"
NIT No.	AEGCL/MD/Tech-1168/ERS/2025-26/NIT Dated 17.06.2025

NAMES OF THOSE PRESENT:

I. FROM EMPLOYER:

1. The CGM (O&M, CAR), AEGCL
2. The CGM (PP&D), AEGCL
3. The GM (P&D), AEGCL
4. The GM (M&PR), AEGCL
5. The DGM(BD&T), AEGCL
6. The AGM (BD), AEGCL
7. The AGM (Tariff), AEGCL
8. The DM, AEGCL
9. The AO, AEGCL

II. FROM PROSPECTIVE BIDDERS:

A. REPRESENTATIVE OF FOLLOWING BIDDER WERE PRESENT IN THE PRE-TENDER MEETING:

1. M/S Hi-Tech Systems and Services

B. REPRESENTATIVE OF FOLLOWING BIDDER WERE NOT PRESENT IN THE PRE-TENDER MEETING HOWEVER ISSUED QUERIES VIA EMAIL:

1. M/S Lindsey Systems
2. M/S Jost's Engineering Company Ltd.

OPENING REMARKS IN THE MEETING:

AEGCL extended a warm welcome to the prospective bidder and introduced his team. AEGCL explained the project's scope and requested the prospective bidders to table their queries and assured the 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.

[Handwritten signatures and initials in blue ink]

MEMBERS OF THE PRE-BID COMMITTEE:

1. The CGM (O&M, CAR), AEGCL
2. The CGM (PP&D), AEGCL
3. The GM (P&D), AEGCL
4. The GM (M&PR), AEGCL
5. The DGM (F&A), Bill & Establishment, AEGCL
6. The DGM(BD&T), AEGCL
7. The AGM (BD), AEGCL
8. The AGM (Tariff), AEGCL
9. The DM, 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 and the addendum issued is formulated in Table-2.

Approved by

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TABLE-1:
Queries on the Bid document

Sl. No.	Tender Clause/Description	Query	AEGCL's Response
1	Type Test	ERS systems are long-lifecycle emergency structures and type-tested generally once every 10 years. We request amendment of the clause requiring type test report to " not older than 10 years " instead of 5 years	Accepted. Refer to Table-2: Addendum Sl. No.- 1
2	Software requirement	The tender specifies PLS-CADD software. Pls be informed that PLS cad software is third party manufacturer and require annual licence renewal cost and it is limited to 1-2 users per license. Worldwide utility prefers the software should be from manufacturer. As suggest we request the clause be modified to: " PLS-CADD or Manufacturer's own ERS Software ". Additionally, since ERS is a 35+ year life product, we request minimum two licenses with 10-year validity be specified to avoid recurring 30% annual renewal charges post second year.	Accepted. Refer to Table-2: Addendum Sl. No.- 2
3	HTLS Hardware fittings	Kindly clarify whether HTLS fittings are mandatory , as these are specialized and not interchangeable with standard conductor fittings. Their inclusion will significantly impact both pricing and delivery timelines.	HTLS fittings are not required
4	ERS Training	Given the safety-critical nature of ERS deployment, especially in emergencies, we propose that site training be explicitly specified as " to be conducted by the OEM Engineer only " to ensure high quality and standardized instruction.	To be conducted by the OEM Engineer or authorized OEM representatives
5	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). BoQ Items 7.7 to 7.10	<ol style="list-style-type: none"> Please be informed that it is always preferred to have permanent anchors for maximum safety reasons. In case AGECL is desired to have these temporary anchors it should be marked as "Optional to quote" or "If required". Can you clarify item 7.9 of the BOM at page 79 if all the material is not required / more required as per design? 	Accepted. Refer to Table-2: Addendum Sl. No.- 3

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Sl. No.	Tender Clause/Description	Query	AEGCL's Response
6	Angle Bracing Size requirement	The current tender specifies that bracing angle size shall not be less than 100 mm. However, IEEE 1070 standard specifies the bracing size as 3 inches, which equals approximately 75 mm. Therefore, we request the clause to be amended as: "Angle bracing shall not be less than 75 mm, in line with IEEE 1070 standard." This will allow proven and widely used global ERS designs to qualify while meeting performance requirements.	Accepted. Refer to Table-2: Addendum Sl. No.- 4
7	Structure Material - Aluminum vs. Steel	The tender permits ERS structural components made of Aluminium Alloy, Galvanized Steel, or a combination. However, IEEE 1070 specifically requires Aluminum Alloy 6061-T6 for structural components. Steel structures are significantly heavier making it difficult to handle in hilly areas, prone to faster corrosion and require regular maintenance. We request the clause be amended to: "Structural components shall be made of high-strength Aluminum Alloy 6061-T6 and 6061-T651 as per IEEE 1070-1995 standard" to ensure performance, lightweight, and longevity. By specifying Aluminum alloy all the bidders will be in same line and commercial and technically comparable.	As per tender
8	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). BoQ items 7.24	Any other item(s) required by Bidder for his ERS Installation work. Please share the specific list of items to quote properly.	Any other spare/items required for individual design of ERS, to be provided by the bidder at least of 2 set of each.
9	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). BoQ items 10.3	3 years onsite technical support during emergency situation for ERS erection/dismantling. Please clarify how many times our team will be called for such support.	As per site requirement the team will be called

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Sl. No.	Tender Clause/Description	Query	AEGCL's Response
10	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). BoQ items 11	1. Vehicle for transportation of ERS Towers as per Purchaser's Requirement. Please remove this item as this is not a part of the ERS. 2. The tender requires a truck model Bharat Benz 1117 BSVI 4X2-7, Body Type: 20 Feet HSD: - Kindly delete from ERS Bidder scope.	As per tender
11	Schedule C, Point 3 and 4	Manufacture's experience: The qualification criteria as mentioned is restricting the Indian manufacturers (Design License as shared by CSIR-SERC) to bid. As per CEA (Central Electricity Authority), ministry of Power Letter no: CEA/PLG/R&D/MII/2025 Dated 05.03.2025 requesting you to please revisit your tender specification/eligibility criteria so as to provide an opportunity of participation to all the local manufacturers of the ERS.	The directive issued by CEA as applicable for this bid. However, bidder should provide performance certificate for 3 years as mentioned in the tender document.
12		1. AEGCL's tender is asking us to design 2 ERS with given specs. On the other hand, they give us a BOM which dictates us the quantities. What happens if we have less material in our design. The same question is if our design requires more materials? 2. Can you clarify item 7.9 of the BOM at page 79 if all the material is not required / more required as per design?	Actual BoM quantities may vary based on manufacturer design specifications. Any additions or modifications identified during the detailed engineering and field demonstration stage shall be provided by the bidder without any price implication.
13		1.1.2.4 Joint Venture is not allowed to participate in this bidding: -Ourself Jost's Engineering Ltd is authorized distributor for Tower Solution, kindly accept authorized distributor participation in your kind tender as a bidder.	As already specified in Clause No. 2.4 of Section-1

Note: Please refer to the table-2 for addendum issued against Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM).

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Table-2:

ADDENDUM

Sl. No.	Clause No./Description	Existing Clause/Description	Modified Clause
1	6. Bidders Qualification (6.7 Form EXP - 2: Specific Experience)	Type Test Certificates. (Not older than five years on the date of Technical Bid opening)	Type Test Certificates. (Not older than Ten years on the date of Technical Bid opening)
2	3. Scope (Brief description of the scope of the work)	The scope of works also includes supply of software for line design using ERS structures as specified in Part-II. The scope of work includes supply of PLC-CADD software (Edition: STANDARD +FE (SAPS)) including PLS -pole & PLS tower latest version (1 licenses & 2years validity) for line design using ERS structures, self-supporting permanent towers, monopoles, guyed towers etc. including software for thermal up-gradation by using various conductors, sag tension calculations tower loading trees, tower analysis, foundation designs, guy wire loads and tower spotting etc. and training on PLS-CADD to purchasers Engineers and one computers/ laptops duly loading software. The bidder shall quote including this item in the prices of ERS.	The scope of works also includes supply of software for line design using ERS structures as specified in Part-II. The scope of work includes supply of PLC-CADD software (Edition: STANDARD +FE (SAPS)) including PLS -pole & PLS tower latest version (1 licenses & 2 years validity) or Manufacturers' own ERS software for line design using ERS structures, self-supporting permanent towers, monopoles, guyed towers etc. including software for thermal up-gradation by using various conductors, sag tension calculations tower loading trees, tower analysis, foundation designs, guy wire loads and tower spotting etc. and training on PLS-CADD or Manufacturers' own ERS software to purchasers Engineers and one computers/ laptops duly loading software. The bidder shall quote including this item in the prices of ERS. In case of Manufacturer's own ERS Software it shall be of minimum two licenses with 10-year validity and two computers / laptops duly loading software.

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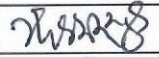


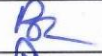



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Sl. No.	Clause No./Description	Existing Clause/Description	Modified Clause
3	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). BoQ Items 7.7 to 7.10	7.7 Temporary anchor/ Stake Plate including stake plate extension (3 per set) 7.8 Steel Stake/Rods (for temporary Anchors) Sets 60 7.9 Linesman safety clamp/ Tower attachment 7.10 Tower alignment clamp/ tool	7.7 Temporary anchor/ Stake Plate including stake plate extension (3 per set) (Optional, it is design specific) 7.8 Steel Stake/Rods (for temporary Anchors) Sets 60 (Optional, it is design specific) 7.9 Linesman safety clamp/ Tower attachment (Optional, it is design specific) 7.10 Tower alignment clamp/ tool (Optional, it is design specific)
4	Section 3: Purchaser's Requirement SCHEDULE-B (No. 6)	The size of angle bracing on which the working person will stand on - Not less than 100 mm	The size of angle bracing on which the working person will stand on - Not less than 100 mm. However, if the angle bracing is less than 100mm it shall comply with the mechanical testing requirements of IEEE 1070.
5	Section 3: Purchaser's Requirement, Part-III and Section 7: Bill of Material (BOM).	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM).	Section 3: Purchaser's Requirement Part-III: Materials Requirement/Bill of Quantities (BoQ) and Section 7: Bill of Material (BOM). The bidder shall furnish the split wise BOQ details with quoted price on request by AEGCL.

Pre-Bid Meeting for "Design, Manufacturing, Testing & Supply of 220kV ERS Tower at CAR"

Attendance Sheet
Date - 26/6/2025

Sl No	Name	Designation and Organization	Contact No	Signature
1	Dipuman Mazumdar	Hi-Tech System & Services Ltd.	98645 05698	
2	B. Basumatary	CQM, OEM, CAR		
3	Jayashree Devi	CQM, PP&D	98540 76553	
4	Bikram Bardehai	DGM (BD&T)	9435558545	
5	Tarali Deka	AGM (T)	98649-81330	
6	Kaushan Bhakuria	Do	70022-67365	
7	Neekamal Sarma	DM (P&D)	86382 47174	
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