



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR
Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

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No: AEGCL/MD/CAR/HTLS/Sonabil-Depota/2026/BID/9

Date: 06.03.26

CORRIGENDUM-II

Bid Identification No: AEGCL/MD/CAR/HTLS/Sonabil-Depota/2026/BID/1

Name of work: De-stringing of existing Panther Conductor and Stringing and Supply of HTLS Conductor (using existing disc insulators) along with all accessories of:

- I. 132KV Sonabil-Depota Transmission line.
- II. 132KV Sonabil-Ghoramari Transmission line
- III. 132KV Ghoramari- Depota Transmission line

With reference to the BID/Tender documents mentioned above, this is to inform that the amendments as detailed in the table under **Annexure-A** attached herewith pertaining to the Technical Specification is issued for necessary action and compliance.

Encl: **Annexure -A (Table for Corrigendum).**

Sd/-

Chief General Manager (O&M), CAR
AEGCL, Bijulee Bhawan,
Paltan Bazar, Guwahati-781001

Memo No: AEGCL/MD/CAR/HTLS/Sonabil-Depota/2026/BID/9(a-c)

Date: 06.03.26

Copy to.

1. The IT Cell, AEGCL, for publication of the corrigendum in AEGCL's website (soft copy enclosed).
2. Relevant File.

Sd/-

Chief General Manager (O&M), CAR
AEGCL, Bijulee Bhawan,
Paltan Bazar, Guwahati-781001

Annexure -A (Table for Corrigendum)

Bid Clause No	As per Bid Document	Clarification	Corrigendum
<p>Section 2: Technical Specifications of HTLS Conductor. 2.1: General Requirements. 2.2: Sag-Tension Requirements</p>	<p>2.1.2 Maximum Conductor sag for 320m (132kV) and 350m (220kV) span at steady state conductor temperature and no wind corresponding to 50 Hz alternating current of minimum 1049 A per conductor under ambient conditions specified at clause no. 2.1.1 will be such that the statutory ground clearance will be maintained throughout the route keeping (erection) tension at 25% of UTS of conductor.</p> <p>2.1.6 Maximum permissible conductor sag for 320 (132kV ACSR Panther) and 350 m (220kV ASCR Zebra) span conductor at 85°C operating temperature and nil wind corresponding to 50 Hz and at maximum alternating current 437 (132kV) amp and 900 (220kV) amp per conductor under ambient conditions specified above = 7.224m (132kV) and 8.435m (220kV). In case of HTLS conductor, the maximum sag for permissible conductor temperature and nil wind for continuous operation shall not be considered more than 7.224m (132kV) and 8.435m (220kV)</p> <p>2.2.1 The HTLS conductor shall meet the following sag tension requirements for ruling span of 325m (132kV) and 350meters(220kV)</p>	<p>Please clarify which value must be considered for Sag-Tension calculations. There's a mismatch in the Span length values specified in the TS. 320 meters or 325 meters</p>	<p>The HTLS conductor shall meet the sag tension requirements against ruling span of 325m (132kV).</p>

Bid Clause No	As per Bid Document	Clarification	Corrigendum
Section 2: Technical Specifications of HTLS Conductor. 2.1: General Requirements.	2.1.3 The calculations for Ampacity shall be based on IEEE Standard 738. The bidder in his bid shall furnish calculations for the ampacity based on the above Standard for the proposed HTLS conductor.	Please confirm whether the parameters below are accepted as per the latest CEA guidelines for the ampacity calculations. Ambient temperature: 45 Absorptivity: 0.8 Elevation above MSL: 1000 meters Emissivity: 0.45 Wind speed: 0.56 m/s Intensity of solar radiation: 1045 W/m2	Calculation and value shall be against minimum 1049 Amps at specified ambient conditions (maximum continuous operating temperature).
Section 2: Technical Specifications of HTLS Conductor. 2.1: General Requirements. Schedule - 1 GUARANTEED TECHNICAL PARTICULARS OF ACCC HTLS CONDUCTOR WITH HYBRID CARBON AND GLASS FIBER COMPOSITE CORE	2.1.6 Maximum permissible conductor sag for 320 (132kV ACSR Panther) and 350 m (220kV ASCR Zebra) span conductor at 85°C operating temperature and nil wind corresponding to 50 Hz and at maximum alternating current 437 (132kV) amp and 900 (220kV) amp per conductor under ambient conditions specified above = 7.224m (132kV) and 8.435m (220kV). In case of HTLS conductor, the maximum sag for permissible conductor temperature and nil wind for continuous operation shall not be considered more than 7.224m (132kV) and 8.435m (220kV). 2.1.7 The bidder shall indicate the technical particulars and details of the construction of the conductor in the relevant schedule of GTP. The bidder shall also guarantee the DC resistance of conductor at 20 deg C and AC resistance at the calculated temperature corresponding to 50Hz alternating current flow of minimum 1049 Amperes at specified ambient conditions (maximum continuous operating temperature). The bidder shall submit the supporting calculations for the AC resistance at 1049 A indicating details & justifications of values of temperature coefficient of resistance & DC to AC resistance conversion factor(s) with due reference to construction / geometry of the conductor. 7.13 Steady state conductor temperature at conductor current of 875A and under Ambient conditions detailed in Section-1. 7.14 AC resistance at maximum continuous operating temperature corresponding to specified maximum operating current (875 A under ambient condition enclosed as per relevant clause under Section-1)	Please confirm whether the calculations and values in the GTP shall be w.r.t 875 Amps or 900 Amps	The calculations for Ampacity shall be based on latest edition of IEEE Standard 738 as mentioned in CEA Guidelines for Rationalised Use of High-Performance Conductors. The parameters shall be considered accordingly. However, Ambient Temperature: 45 deg C and as per clause no 1.3.0 (Service Conditions) of Vol-II of bid document.

Bid Clause No	As per Bid Document	Clarification	Corrigendum
Section 2: Technical Specifications of HTLS Conductor. 2.9 Test and standards 2.9.1 Type Tests	Type tests specified under clause no.2.9.1 shall not be required to be carried out if a valid test certificate is available for the offered design, i.e., tests conducted earlier (not more than 5 years old at the time of bid opening) should have been conducted in accredited laboratory (accredited based on ISO/IEC guide 25/17025 or EN 45001 by the National Accreditation body of the country where laboratory is located) or witnessed by the representative (s) of CTU or State Transmission Utility.	Please extend the validity of existing TT reports to not more than 10 years at the time of bid opening. As per the latest CEA guidelines (Draft revised "Guidelines for the Periodicity of Type Tests for Major Equipment used in Electrical Power System") requesting you to amend the same. The latest guidelines snapshot is attached for reference in Annexure	In Line with "Guideline for the Type Tests for Major Equipment's in Power Sector January 2026" validity of type test report for High Temperature Low Sag (HTLS) Conductor shall be 10 Years from the date of bid opening.
Section 2: Technical Specifications of HTLS Conductor. 2.9 Test and standards 2.9.4 Tests during Manufacture	Chemical analysis of core strands/composite core.	Please amend as follows: Chemical analysis of core strands/composite core Chemical analysis of core strands (excluding composite cores complying with ASTM B 987). The chemical analysis test does not apply to the composite cores complying to ASTM B 987	Chemical analysis of core strands (not on polymer composite core) as per CEA Guidelines for Rationalised Use of High-Performance Conductors.
Section 2: Technical Specifications of HTLS Conductor 2.2: Sag Tension Requirements Schedule - 1 GUARANTEED HTLS CONDUCTOR WITH HYBRID CARBON AND GLASS FIBER COMPOSITE CORE	a. Tension at 32 deg C, full wind (52 kg/m2) 7.17.3 (i) Tension at 32 deg. C & full wind for following wind pressure : (a) Wind Pressure: 50 kg/m2	Please clarify which value must be considered for Sag-Tension calculations. There's a mismatch in the wind pressure values specified in the TS and GTP. 50 kg/m2 or 52 kg/m2	Wind pressure shall be 52 kg/m2 (as per section-2 of Vol-II of Bid document)