

Amendment No-I dated 29.06.2026 to the Bidding Documents of “Reconductoring Package OH01 for (a) Reconductoring of Somanahalli – Bidadi 400kV kV D/c line with HTLS conductor; (b) Reconductoring of Maheshwaram (PG) – Hyderabad 400kV S/c line with HTLS conductor; (c) (i) Reconductoring of ISTS portion of Dimapur (POWERGRID) – Dimapur (DoP, Nagaland) 132kV (ckt-2) ACSR Panther S/c line with Single HTLS conductor and (ii) Reconductoring of ISTS portion of Dimapur (POWERGRID) – Kohima (DoP, Nagaland) 132kV ACSR Panther S/c line with Single HTLS conductor associated with ‘North Eastern Region Expansion Scheme-XXVII (NERES-XXVII)’; [Spec No: CC/NT/W COND/DOM/A00/26/07413].”

| Clause   | Existing Clause |  |  | Amended clause |  |  |
|--|-----------------|--|--|----------------|--|--|
| 1.4 (C)<br>132kV<br>TL<br>Section-<br>IA,<br>Volume-<br>II | <b>Sl. No.</b>  | <b>Parameters</b>  | <b>Requirement</b>   | <b>Sl. No.</b> | <b>Parameters</b>  | <b>Requirement</b>   |
|  | <b>A)</b>       | <b>Electrical Requirements</b>   |  | <b>A)</b>      | <b>Electrical Requirements</b>   |  |
|  | <b>1</b>        | Minimum Current carrying capacity/Ampacity at maximum design continuous operating temperature(A) | 800  | <b>1</b>       | Minimum Current carrying capacity/Ampacity at maximum design continuous operating temperature(A) | 800  |
|  | <b>2</b>        | Maximum DC Resistance at 20° C (Ohm/km)  | 0.139  | <b>2</b>       | Maximum DC Resistance at 20° C (Ohm/km)  | 0.139  |
|  | <b>B)</b>       | <b>Physical Dimension Requirements</b>   |  | <b>B)</b>      | <b>Physical Dimension Requirements</b>   |  |
|  | <b>1</b>        | Overall diameter of complete conductor   |  | <b>1</b>       | Overall diameter of complete conductor   |  |
|  | <b>a)</b>       | Maximum (mm)   | 21   | <b>a)</b>      | Maximum (mm)   | 21   |
|  | <b>b)</b>       | Minimum (mm)   | 18   | <b>b)</b>      | Minimum (mm)   | 18   |
|  | <b>2</b>        | Maximum Nominal mass of complete conductor (kg/km)   | 975  | <b>2</b>       | Maximum Nominal mass of complete conductor (kg/km)   | <b>974</b>   |
|  | <b>3</b>        | Direction of lay of outer layer  | Right Hand   | <b>3</b>       | Direction of lay of outer layer  | Right Hand   |
|  | <b>C)</b>       | <b>Sag Tension Requirements</b>  |  | <b>C)</b>      | <b>Sag Tension Requirements</b>  |  |
|  | <b>1</b>        | <b>Ruling span(m)</b>  | 304  | <b>1</b>       | <b>Ruling span(m)</b>  | 304  |
|  | <b>2</b>        | Tension at every day condition (32°C, no wind) (Kg)  | Not exceeding 25% (as applicable) of UTS of proposed conductor | <b>2</b>       | Tension at every day condition (32°C, no wind) (Kg)  | Not exceeding 25% (as applicable) of UTS of proposed conductor |
|  | <b>3</b>        | Tension at designed maximum temperature and no wind condition (Kg)                               | Not exceeding  | <b>3</b>       | Tension at designed maximum temperature and no wind condition (Kg)                               | Not exceeding  |

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|  |          |   |  |  |          |  |   |
|--|----------|---|--|--|----------|--|---|
|  |          |   | 25% of UTS at designed maximum temperature                                       |  |          |  | 25% of UTS at designed maximum temperature  |
|  | <b>4</b> | <b>Sag-Tensions <u>Conditions</u></b>                                       |  |  | <b>4</b> | <b>Sag-Tensions <u>Conditions</u></b>  |   |
|  | i)       | Sag for ruling span at designed maximum temperature & no wind condition (m) | $\leq 5.74$  |  | i)       | Sag for ruling span at designed maximum temperature & no wind condition (m)        | $\leq 5.74$   |
|  | ii)      | Sag for ruling span at minimum temp (0 deg C) and no wind condition (m)     | $\geq 3.95$  |  | ii)      | Sag for ruling span at minimum temp ( <b>2.5 deg C</b> ) and no wind condition (m) | $\geq 3.95$   |
|  | iii)     | Tension at 32°C and full wind condition                                     |  |  | iii)     | Tension at 32°C and full wind condition  |   |
|  | a)       | 45 Kg/m2 wind pressure  | $\leq 2756$ kg & not exceeding 70% of UTS of proposed conductor                  |  | a)       | 45 Kg/m2 wind pressure   | $\leq 2756$ kg & not exceeding 70% of UTS of proposed conductor                         |
|  | iv)      | Tension at 2.5°C and <u>2/3 full wind condition</u>                         |  |  | iv)      | Tension at 2.5°C and <u>2/3 full wind condition</u>                                |   |
|  | a)       | <del>.....</del> 30.Kg/m2 wind pressure                                     | $\leq$ <del>.....</del> 3063 kg & not exceeding 50% of UTS of proposed conductor |  | a)       | <del>.....</del> 30.Kg/m2 wind pressure  | $\leq$ <del>.....</del> 3063 kg & not exceeding <b>70%</b> of UTS of proposed conductor |
|  | v)       | Tension at designed maximum temperature and Full wind condition             |  |  | v)       | Tension at designed maximum temperature and Full wind condition                    |   |
|  | a)       | 45 Kg/m2 wind pressure  | $\leq 3756$ kg & not exceeding 50% of UTS at designed maximum temperature        |  | a)       | 45 Kg/m2 wind pressure   | $\leq$ <b>2756</b> kg & not exceeding <b>70%</b> of UTS at designed maximum temperature |

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|  |  |    |  |   |  |  |                       |  |   |
|--|--|----|--|---|--|--|-----------------------|--|---|
|  |  |    | of proposed conductor                                      |   |  |  | of proposed conductor |  |   |
|  |  | v) | Tension at knee point temperature & no wind condition (Kg) | Not exceeding 40% of UTS of core@ of proposed conductor |  |  | v)                    | Tension at knee point temperature & no wind condition (Kg) | Not exceeding 40% of UTS of core@ of proposed conductor |