

Amendment XI dated 01.04.2024 to RFP documents for selection of bidder as Transmission Service Provider to establish Inter-State Transmission system for “Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-2: 5.5 GW)(Jaisalmer/Barmer Complex): Part H1” through tariff based competitive bidding process.

| Sl. No | Clause No. | Existing Provision | | | | | New/Revised Provision | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------|--|--|-----------------------|-----------------------------|---|--|--------------------------|--|-------|-------|-------|-------|--|--|--|--|--|-------------------|--------------------------|---|--|--------------------------|--|-------|-------|-------|-------|---|---|---|--|---------------|--|-----------------------------|--|--|--|
| 1. | Annexure C of RFP SPECIFIC TECHNICAL REQUIREMENTS FOR TRANSMISSION LINE | <p>.....</p> <p>A.8.0 The relevant conductor configuration for 765kV shall be as follows: -</p> <p>.....</p> <p>The relevant conductor configuration for 400 kV shall be as follows: -</p> <table border="1"> <thead> <tr> <th>Transmission line</th> <th>ACSR Conductor or specified</th> <th>Equivalent AAAC conductor based on 53% conductivity of Al Alloy</th> <th>Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*</th> <th>Sub-conductor or Spacing</th> </tr> </thead> <tbody> <tr> <td>400 kV D/C (Quad Moose) transmission lines</td> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> </tbody> </table> <p>.....</p> | | | | | Transmission line | ACSR Conductor or specified | Equivalent AAAC conductor based on 53% conductivity of Al Alloy | Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy* | Sub-conductor or Spacing | 400 kV D/C (Quad Moose) transmission lines | | | | | <p>.....</p> <p>A.8.0 The relevant conductor configuration for 765kV shall be as follows: -</p> <p>.....</p> <p>The relevant conductor configuration for 400kV shall be as follows: -</p> <table border="1"> <thead> <tr> <th>Transmission line</th> <th>ACSR Conductor specified</th> <th>Equivalent AAAC conductor based on 53% conductivity of Al Alloy</th> <th>Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy*</th> <th>Sub-conductor or Spacing</th> </tr> </thead> <tbody> <tr> <td>400 kV D/C (Quad Moose) transmission lines</td> <td>.....</td> <td>.....</td> <td>.....</td> <td>.....</td> </tr> <tr> <td>400 kV D/C (Twin Moose) Transmission lines</td> <td>Moose: Strandin g 54/3.53 mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter</td> <td>Strandin g details: 61/3.55 mm 31.95mm diameter;</td> <td>Strandin g details: 61/3.31 mm 29.79 mm diameter;</td> <td>450 mm</td> </tr> <tr> <td></td> <td>528.5 mm²</td> <td>604 mm² Aluminium alloy area</td> <td>525 mm² Aluminium alloy area</td> <td></td> </tr> </tbody> </table> | | | | | Transmission line | ACSR Conductor specified | Equivalent AAAC conductor based on 53% conductivity of Al Alloy | Equivalent minimum size of AL59 conductor based on 59% conductivity of AL Alloy* | Sub-conductor or Spacing | 400 kV D/C (Quad Moose) transmission lines | | | | | 400 kV D/C (Twin Moose) Transmission lines | Moose: Strandin g 54/3.53 mm-Al + 7/3.53 mm-Steel, 31.77 mm diameter | Strandin g details: 61/3.55 mm 31.95mm diameter; | Strandin g details: 61/3.31 mm 29.79 mm diameter; | 450 mm | | 528.5 mm² | 604 mm² Aluminium alloy area | 525 mm² Aluminium alloy area | |
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| | 528.5 mm² | 604 mm² Aluminium alloy area | 525 mm² Aluminium alloy area | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| . | | | <table border="1"> <tr> <td data-bbox="1415 315 1566 375"><u>Aluminium area,</u></td> <td data-bbox="1566 315 1724 375"><u>Maximum DC</u></td> <td data-bbox="1724 315 1881 375"><u>Maximum DC</u></td> <td data-bbox="1881 315 2024 375"></td> </tr> <tr> <td data-bbox="1415 375 1566 435"><u>Maximum DC</u></td> <td data-bbox="1566 375 1724 435"><u>Resistance at 20°C</u></td> <td data-bbox="1724 375 1881 435"><u>Resistance at 20°C</u></td> <td data-bbox="1881 375 2024 435"></td> </tr> <tr> <td data-bbox="1415 435 1566 495"><u>(Ω/km):</u></td> <td data-bbox="1566 435 1724 495"><u>0.05506</u></td> <td data-bbox="1724 435 1881 495"><u>0.0566</u></td> <td data-bbox="1881 435 2024 495"></td> </tr> <tr> <td data-bbox="1415 495 1566 555"><u>0.05552</u></td> <td data-bbox="1566 495 1724 555"><u>Minimum UTS:</u></td> <td data-bbox="1724 495 1881 555"><u>Minimum UTS:</u></td> <td data-bbox="1881 495 2024 555"></td> </tr> <tr> <td data-bbox="1415 555 1566 615"><u>Minimum UTS:</u></td> <td data-bbox="1566 555 1724 615"><u>159.80 kN</u></td> <td data-bbox="1724 555 1881 615"><u>124.70 kN</u></td> <td data-bbox="1881 555 2024 615"></td> </tr> <tr> <td data-bbox="1415 615 1566 675"><u>161.20 kN</u></td> <td data-bbox="1566 615 1724 675"></td> <td data-bbox="1724 615 1881 675"></td> <td data-bbox="1881 615 2024 675"></td> </tr> </table> | <u>Aluminium area,</u> | <u>Maximum DC</u> | <u>Maximum DC</u> | | <u>Maximum DC</u> | <u>Resistance at 20°C</u> | <u>Resistance at 20°C</u> | | <u>(Ω/km):</u> | <u>0.05506</u> | <u>0.0566</u> | | <u>0.05552</u> | <u>Minimum UTS:</u> | <u>Minimum UTS:</u> | | <u>Minimum UTS:</u> | <u>159.80 kN</u> | <u>124.70 kN</u> | | <u>161.20 kN</u> | | | |
| <u>Aluminium area,</u> | <u>Maximum DC</u> | <u>Maximum DC</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>Maximum DC</u> | <u>Resistance at 20°C</u> | <u>Resistance at 20°C</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>(Ω/km):</u> | <u>0.05506</u> | <u>0.0566</u> | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>161.20 kN</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | B.1.2 (x) of Specific Technical Requirement of Substation | x) <u>400kV Shujalpur (PG) Extn: 400kV Mandsaur - Shujalpur D/c Line shall be terminated such that both the circuits are terminated in new diameters (for which Main bay & associated Tie bay are required to be constructed under present scope).</u> | x) <u>400 kV Shujalpur (PG) Extn: One circuit of 400 kV Mandsaur - Shujalpur D/c Line shall be terminated in bay no. 416 for which main bay is to be constructed. Other circuit of 400 kV Mandsaur - Shujalpur D/c Line shall be terminated in bay no. 419 and 420 for which main and tie bays are to be constructed under present scope. Refer attached GA drawing (Drq. No. TR202112-1001509- SS1612-ELECT-LAY).</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | B.5 of Specific Technical Requirement of Substation | <p>B.5 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder.</p> | <p>B.5 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder.</p> | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | Sl. No. | Drawing Title | Drawing No./Details | Rev. No. | Sl. No. | Drawing Title | Drawing No./Details | Rev. No. |
| | | A. | 400kV Shujalpur S/S | | | A. | 400 kV Shujalpur S/S | | |
| | | 1.0 | Single Line Diagram | <u>Enclosed</u> | | 1.0 | Single Line Diagram | <u>Enclosed (revised drawing attached)</u> | |
| | | 2.0 | General Arrangement | <u>TR202112-1001509-SS1612-ELECTLAY</u> | A | 2.0 | General Arrangement | <u>TR202112-1001509-SS1612-ELECT-LAY (revised drawing attached)</u> | A |
| | | ... | ... | | ... | ... | | | ... |