

**Amendment –VII dated 11.03.2024 on the Request for Proposal Document for Transmission Service Provider to establish “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 Provisions	New/Revised Provisions
1.	ANNEXURE C:  SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION	<p><b>C.4.0 LILO of Indore – Bhopal 765 kV S/c line at Kurawar</b></p> <p>On LILO of Indore – Bhopal 765 kV S/c line at Kurawar S/s, TSP shall supply, install &amp; commission earthwire. As OPGW is not available on Indore Bhopal 765 kV S/c line, OPGW is not required on LILO portion. The Indore and Bhopal S/s mentioned here are already communicating with respective RLDC.</p>	<p><b>C.4.0 LILO of Indore – Bhopal 765 kV S/c line at Kurawar</b></p> <p>On LILO of Indore – Bhopal 765 kV S/c line at Kurawar, TSP shall supply, install &amp; commission OPGW and earthwire as per Tower Configurations:</p> <p>(i) For Double Circuit Tower configuration: two (2) no. OPGW cables containing 24 Fibres (24 F) on <b>both earthwire peaks (one on each E/W peak) (2x24F OPGW)</b> in place of conventional earthwire.</p> <p>The TSP shall install OPGW cables from gantry of Kurawar S/s up to the LILO tower with all associated hardware including Vibration Dampers, mid-way &amp; gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Kurawar S/s. The transmission line length is <b>15 kms (approx.)</b> After LILO, if fiber length for links Kurawar – Bhopal and Indore - Kurawar is above 225 (approx.) kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link.</p> <p>TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per <b>Appendix-F.1</b> Maintenance of OPGW Cable, OPGW Hardware &amp; repeater equipment &amp; items associated with repeater shelter shall be responsibility of TSP.</p> <p><b>OPGW on existing 765kV Bhopal (BDTCL) – Indore (PG) S/c line planned in separate scheme.</b></p>

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2.	ANNEXURE C:  SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION	<p><b>C.1.0 Establishment of 765/400 kV (2x1500 MVA), 400/22 kV (2x500 MVA) and 220/132 kV (3x200 MVA) Kurawar S/s with 2x330 MVAR 765kV bus reactor and 1x125 MVAR, 420 kV bus reactor</b></p> <p>(ii) TSP shall supply, install &amp; commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum Five (5) directions with MSP (Multiplex Section Protection – 1+1, excluding local patching). These directions shall exclude protected (1+1) local patching among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and data communication requirement among <b>Kurawar, Mandsaur, Ashta (MP) and Shujalpur (PG) S/s</b>. The suitable DC Power Supply and backup to be provided for communication equipment.</p>	<p><b>C.1.0 Establishment of 765/400 kV (2x1500 MVA), 400/22 kV (2x500 MVA) and 220/132 kV (3x200 MVA) Kurawar S/s with 2x330 MVAR 765kV bus reactor and 1x125 MVAR, 420 kV bus reactor</b></p> <p>(ii) TSP shall supply, install &amp; commission One or more STM-16 (FOTE) equipment alongwith panel/s supporting minimum <b>Seven (7)</b> directions with MSP (Multiplex Section Protection – 1+1, excluding local patching). These directions shall exclude protected (1+1) local patching among equipment (if any). Communication Equipment shall be provided with necessary interfaces to meet the voice and data communication requirement among <b>Kurawar, Mandsaur, Ashta (MP), Shujalpur (PG), Bhopal (BDTCL) and Indore (PG) S/s</b>. The suitable DC Power Supply and backup to be provided for communication equipment.</p>
3.	ANNEXURE C:  SPECIFIC TECHNICAL REQUIREMENTS FOR COMMUNICATION	<b>Figure F.1</b>	Revised Figure is attached at <b>Annexure- A</b>

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**Annexure-A**

Proposed Communication for Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2: 5.5 GW) (Jaisalmer/Barmer Complex): Part H1

