

Amendment-4 (dated 17.07.2025) to RFP Documents for Transmission Service Provider to establish “Inter-regional (NR-WR) Transmission System strengthening to relieve the loading of 765 kV Vindhyachal-Varanasi D/c line” through tariff based competitive bidding process.

Sl. No.	Clause No.	Existing Clause	New/Revised Clause
1.	Specific Technical Requirements for Communication C.2.0	OPGW requirement for LILO portion of 765 kV Fatehpur - Varanasi S/C line at Prayagraj S/s On LILO of 765 kV Fatehpur - Varanasi S/C line at Prayagraj S/s, TSP shall supply, install and commission OPGW and earthwire as per Tower Configurations: (I) Loop-In and Loop out Ckt. on Single Towers: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earthwire peaks (II) Loop-In and Loop out Ckt on Two separate Towers: One (1) No. OPGW cable containing 48 Fibers (48F) on one earthwire peak and conventional earthwire on other E/W peak for both Loop In and Loop Out Lines. The TSP shall install OPGW cables from gantry of Prayagraj S/s up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Prayagraj S/s. The transmission line length is 15 kms (approx.). After LILO, if fiber length for links Prayagraj - Fatehpur and Prayagraj - Varanasi is above 225 kms then	OPGW requirement for LILO portion of 765 kV Fatehpur - Varanasi S/C line at Prayagraj S/s On LILO of 765 kV Fatehpur - Varanasi S/C line at Prayagraj S/s, TSP shall supply, install and commission OPGW and earthwire as per Tower Configurations: (I) Loop-In and Loop out Ckt. on Single Towers: Two (2) No. OPGW cable containing 48 Fibers (48F) to be installed and commissioned by the TSP on both the Earthwire peaks (II) Loop-In and Loop out Ckt on Two separate Towers: One (1) No. OPGW cable containing 48 Fibers (48F) on one earthwire peak and conventional earthwire on other E/W peak for both Loop In and Loop Out Lines. The TSP shall install OPGW cables from gantry of Prayagraj S/s up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Prayagraj S/s. The transmission line length is 15 kms (approx.). After LILO, if fiber length for links Prayagraj - Fatehpur and Prayagraj - Varanasi is above 225 kms then repeater shall be

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		repeater shall be envisaged, otherwise line can be managed as a repeater less link. TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per Appendix-F.1 Further necessary optical interfaces shall also be provided by the TSP in the FOTE of Fatehpur S/s and Varanasi S/s as per link budget requirement after change of fiber length due to LILO at Prayagraj S/s. Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP. Note: 48 Fiber OPGW on the existing 765 kV Fatehpur - Varanasi S/C line is envisaged under separate scheme.	envisaged, otherwise line can be managed as a repeater less link. TSP shall finalize the location of repeater station depending upon the actual site conditions. Further TSP shall comply to the requirements mentioned as per Appendix-F.1 ~~Further necessary optical interfaces shall also be provided by the TSP in the FOTE of Fatehpur S/s and Varanasi S/s as per link budget requirement after change of fiber length due to LILO at Prayagraj S/s.~~ Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP. Note: 48 Fiber OPGW on the existing 765 kV Fatehpur - Varanasi S/C line is envisaged under separate scheme. (Optical interfaces at Fatehpur and Varanasi S/s are considered under separate scheme)
2.	Specific Technical Requirements for Communication C.3.0	OPGW requirement for LILO portion of 765 kV Fatehpur - Sasaram S/C line at Prayagraj S/s On LILO of 765 kV Fatehpur - Sasaram S/C line at Prayagraj S/s, TSP shall supply, install and	OPGW requirement for LILO portion of 765 kV Fatehpur - Sasaram S/C line at Prayagraj S/s On LILO of 765 kV Fatehpur - Sasaram S/C line at Prayagraj S/s, TSP shall supply, install and

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		commission OPGW and earthwire as per Tower Configurations: (I) Loop-In and Loop out Ckt on Single Towers: Two (2) No. OPGW cable containing 48 Fibres (48F) to be installed and commissioned by the TSP on both the Earthwire peaks (II) Loop-In and Loop out Ckt on Two separate Towers: One (1) No. OPGW cable containing 48 Fibres (48F) on one earthwire peak and conventional earthwire on other E/W peak for both Loop In and Loop Out Lines. The TSP shall install OPGW cables from gantry of Prayagraj S/s up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Prayagraj S/s. The transmission line length is 14 kms (approx.). After LILO, if fiber length for links Prayagraj - Fatehpur and Prayagraj - Sasaram is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link. TSP shall finalize the location of repeater station depending upon the actual site conditions.	commission OPGW and earthwire as per Tower Configurations: (I) Loop-In and Loop out Ckt on Single Towers: Two (2) No. OPGW cable containing 48 Fibres (48F) to be installed and commissioned by the TSP on both the Earthwire peaks (II) Loop-In and Loop out Ckt on Two separate Towers: One (1) No. OPGW cable containing 48 Fibres (48F) on one earthwire peak and conventional earthwire on other E/W peak for both Loop In and Loop Out Lines. The TSP shall install OPGW cables from gantry of Prayagraj S/s up to the LILO tower with all associated hardware including Vibration Dampers, mid-way and gantry Joint Boxes (called OPGW Hardware hereafter) and finally terminate in Joint Boxes at Prayagraj S/s. The transmission line length is 14 kms (approx.). After LILO, if fiber length for links Prayagraj - Fatehpur and Prayagraj - Sasaram is above 225 kms then repeater shall be envisaged, otherwise line can be managed as a repeater less link. TSP shall finalize the location of repeater station depending upon the actual site conditions. Further

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		Further TSP shall comply to the requirements mentioned as per Appendix-F.1 Further necessary optical interfaces shall also be provided by the TSP in the FOTE of Fatehpur S/s and Sasaram S/s as per link budget requirement after change of fiber length due to LILO at Prayagraj S/s. Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP. Note: 48 Fiber OPGW on the existing 765 kV Fatehpur - Sasaram S/C line is envisaged under separate scheme.	TSP shall comply to the requirements mentioned as per Appendix-F.1 ~~Further necessary optical interfaces shall also be provided by the TSP in the FOTE of Fatehpur S/s and Sasaram S/s as per link budget requirement after change of fiber length due to LILO at Prayagraj S/s.~~ Maintenance of OPGW Cable and OPGW Hardware shall be responsibility of TSP. Note: 48 Fiber OPGW on the existing 765 kV Fatehpur - Sasaram S/C line is envisaged under separate scheme. (Optical interfaces at Fatehpur and Sasaram S/s are considered under separate scheme)
3.	Figure F.1		Revised Figure is attached at Annexure - D
4.	Clause B.1.2 of specific technical requirement of s/s.	New clause added:	B.1.2 Switching scheme Notes:- (ix) 765 kV Bay configuration at Prayagraj S/s shall consist of 04 Nos. of full diameter (one diameter consists of two Nos. Main and associated Tie bays) for termination of Bus Reactor/Line bays.

Proposed Communication for "Inter-regional (NR-WR) Transmission System strengthening to relieve the loading of 765kV Vindhyachal-Varanasi D/c line"

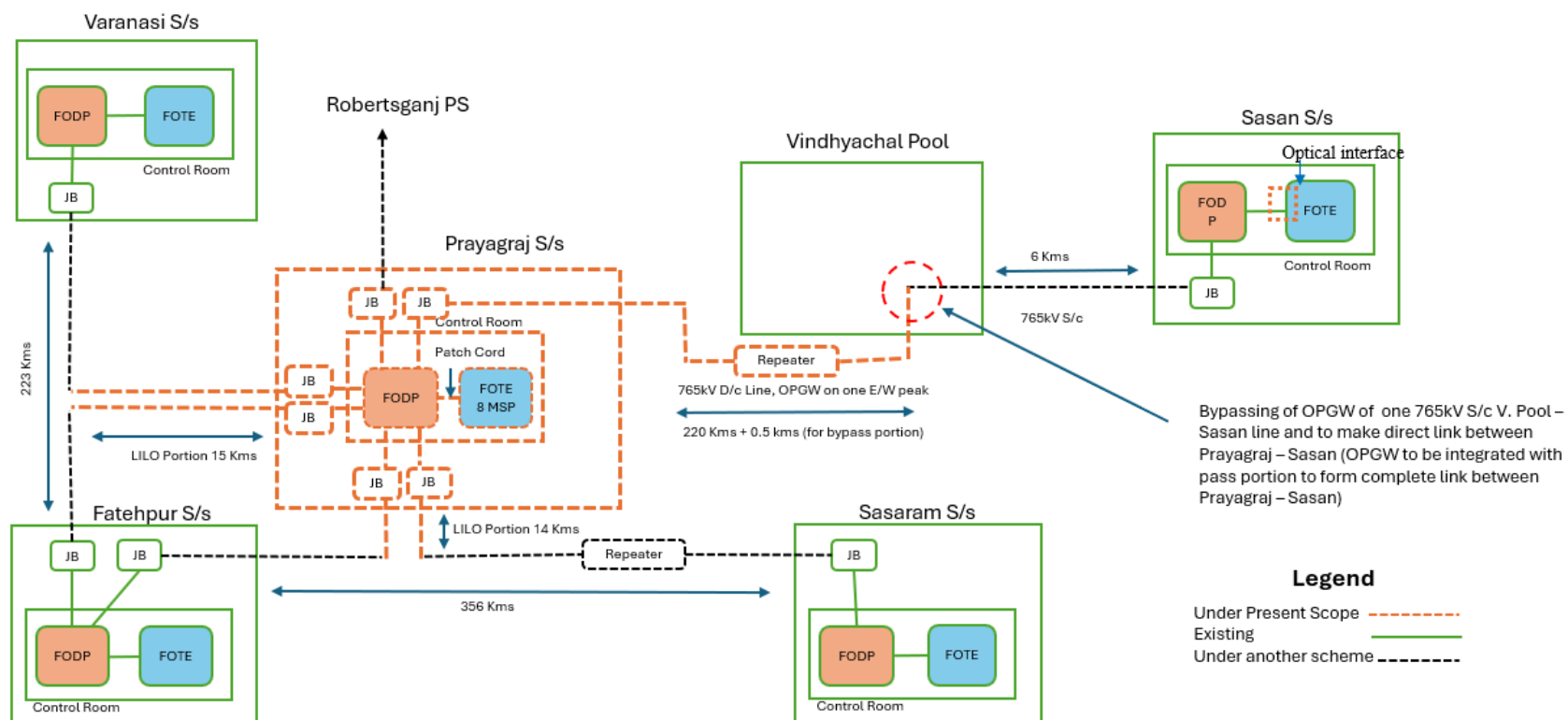


Figure F.1