

**Amendment No. 4 (Dated: 01.01.2025) to RFP Documents for “Transmission System for supply of power to Green Hydrogen/ Ammonia manufacturing potential in Kandla area of Gujarat (Phase-I: 3 GW)” through tariff based competitive bidding process**

Sl. No.	Clause No.	Existing Clause	New/Revised Clause
1	D.1.0 (I) of Specific Technical Requirements for Communication.	TSP shall supply, install & commission One or more nos. of FODP (120F or higher) along with panel and required Approach Cable (24F) with all associated hardware fittings from gantry tower to Control Room for all the incoming lines envisaged under the present scope	TSP shall supply, install & commission One or more nos. of FODP (240F or higher) along with panel and required Approach Cable (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control Room for all the incoming lines envisaged under the present scope.
2.	D.2.0 of Specific Technical Requirements for Communication.	On Halvad – Kandla(GIS) 765 kV D/c line, TSP shall supply, install & commission One (1) no. OPGW cable containing 24 Fibres (24F) on one E/W peak and conventional earth wire on other E/W peak.	On Halvad – Kandla(GIS) 765 kV D/c line, TSP shall supply, install & commission One (1) no. OPGW cable containing 48 Fibres (48F) on one E/W peak and conventional earth wire on other E/W peak. Proposed OPGW Hardware, Joint Box and other accessories shall be as per 48 Fiber OPGW.
3.	D.3.0 (I) of Specific Technical Requirements for Communication.	TSP shall supply, install and commission 1 No. FODP (72F or higher) along with panel and required Approach Cable (24F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.	TSP shall supply, install and commission 1 No. FODP (144F or higher) along with panel and required Approach Cable (48F) with all associated hardware fittings from gantry tower to Bay Kiosk and from the Bay Kiosk to Control room.
4.	D.5.0 of Specific Technical Requirements for Communication.	New Clause	<b>For the extension / By pass portion of existing line with OPGW:</b> OPGW requirement on extended line / By pass portion shall be of same OPGW fiber capacity of existing line.

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5.	A.24.0 of RFP New Clause Specific Technical Requirements for Transmission Line/ S. No. 3 of Amendment No. 1 dated 19.11.2024	The tower shall be designed considering the porcelain Insulators with creepage factor of 31 mm/ kV irrespective of type of insulator used.	Deleted
6.	Annexure F (Frequently Asked Queries) Clause 3.3	<p>In case LILO lines are on same towers (e.g. both Line in and Line Out portion are on same towers, generally done LILO of S/C lines). Then 2x24F OPGW shall be required to install by TSP on both earthwire peak on 400 kV and 765 kV lines where two E/W peaks are available. On 220 and 132 kV lines where only one E/W peak is available TSP to install one no. 48F OPGW.</p> <p>Incase LILO lines are on different towers (e.g. both Line In and Line Out portion are on different towers, generally done LILO of D/C lines). Then 1x24F OPGW shall be required to install by TSP on one earthwire peak and conventional earthwire on second earthwire peak, on both Line In and Line Out portion towers of 400 kV and 765 kV lines. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one No. 24F OPGW in place of conventional earthwire</p>	<p>In case LILO lines are on same towers (e.g. both Line in and Line Out portion are on same towers, generally done LILO of S/C lines). Then 2x48F OPGW shall be required to install by TSP on both earthwire peak on 400 kV and 765 kV lines where two E/W peaks are available. On 220 and 132 kV lines where only one E/W peak is available TSP to install one no. 96F OPGW.</p> <p>Incase LILO lines are on different towers (e.g. both Line In and Line Out portion are on different towers, generally done LILO of D/C lines) Then 1x48F OPGW shall be required to install by TSP on one earthwire peak and conventional earthwire on second earthwire peak, on both Line In and Line Out portion towers of 400 kV and 765 kV lines. On 220 kV and 132 kV lines where only one E/W peak is available TSP to install one No. 48F OPGW in place of conventional earthwire.</p>

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7.	Annexure F (Frequently Asked Queries) Clause 3.4	In case two different lines are using common multi circuit portion for some distance (originating from different stations, may be terminating on same or on different stations). Two No. 24F OPGW to be installed on both E/W peaks for common M/C portion of 765 kV and 400 kV lines. Incase 220/132 kV lines using multi circuit portion where single E/W peak is available one No. 48F may be installed for common multi circuit portion.	In case two different lines are using common multi circuit portion for some distance (originating from different stations, may be terminating on same or on different stations). Two No. 48F OPGW to be installed on both E/W peaks for common M/C portion of 765 kV and 400 kV lines. Incase 220/132 kV lines using multi circuit portion where single E/W peak is available one No. 96F may be installed for common multi circuit portion.