

Amendment-III dated 05.12.2024 to the Request for Proposal Documents for selection of bidder as Transmission Service Provider to establish “Transmission System for evacuation of power from Rajasthan REZ Ph-V (Part-1: 4 GW) [Sirohi/Nagaur] Complex” through tariff based competitive bidding process.

Sl. No.	Clause No.	Existing Clause	New/Revised Clause						
1.	Specific Technical Requirements for Substation Clause B.1.2 of RFP & TSA	B.1.2 Switching Scheme <i>New Clause added</i>	<p><u>B.1.2 Switching Scheme</u></p> <p><u>(vii) Sirohi S/s:</u> <u>Feeder distribution for 400 kV under the present scope shall be considered in line with the following.</u></p> <table border="1"> <thead> <tr> <th><u>400 kV Bus Section-1(partly existing)</u></th> <th><u>400kV Bus Section-2 (partly existing)</u></th> <th><u>400kV Bus Section-3 (future)</u></th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> a) <u>2 Nos. of 400/220 kV ICT</u> b) <u>1 No. of 400 kV line</u> c) <u>1 No. of 400 kV future lines</u> d) <u>Existing feeders under Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/ Barmer Complex): Part B</u> </td> <td> <ul style="list-style-type: none"> a) <u>2 Nos. of future 765/400 kV ICT</u> b) <u>2 Nos. of 400/220 kV ICT</u> c) <u>1 No. future Statcom</u> d) <u>4 Nos. of 400 kV future lines</u> e) <u>Existing feeders under Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/ Barmer Complex): Part B</u> </td> <td> <ul style="list-style-type: none"> a) <u>2 Nos. of 400 kV future lines</u> b) <u>2 Nos. of future 765/400 kV ICT</u> c) <u>2 Nos. of future 400/220 kV ICT</u> d) <u>1 No. of future 400 kV Bus Reactor</u> e) <u>1 No. future Statcom</u> </td> </tr> </tbody> </table>	<u>400 kV Bus Section-1(partly existing)</u>	<u>400kV Bus Section-2 (partly existing)</u>	<u>400kV Bus Section-3 (future)</u>	<ul style="list-style-type: none"> a) <u>2 Nos. of 400/220 kV ICT</u> b) <u>1 No. of 400 kV line</u> c) <u>1 No. of 400 kV future lines</u> d) <u>Existing feeders under Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/ Barmer Complex): Part B</u> 	<ul style="list-style-type: none"> a) <u>2 Nos. of future 765/400 kV ICT</u> b) <u>2 Nos. of 400/220 kV ICT</u> c) <u>1 No. future Statcom</u> d) <u>4 Nos. of 400 kV future lines</u> e) <u>Existing feeders under Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/ Barmer Complex): Part B</u> 	<ul style="list-style-type: none"> a) <u>2 Nos. of 400 kV future lines</u> b) <u>2 Nos. of future 765/400 kV ICT</u> c) <u>2 Nos. of future 400/220 kV ICT</u> d) <u>1 No. of future 400 kV Bus Reactor</u> e) <u>1 No. future Statcom</u>
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2.	Specific Technical Requirements for Substation Clause B.1.2 of	B.1.2 Switching Scheme <i>New Clause added</i>	<p><u>(viii) For Sirohi – Mandsaur PS 765 kV D/C Transmission line, both circuits shall be terminated in new half diameters at Mandsaur S/s. Accordingly, 2 (two) number of half diameter (consisting of Main and associated Tie Bay) shall be constructed under present scope at Mandsaur S/s.</u></p> <p><u>For Mandsaur PS – Khandwa (New) 765 kV D/C Transmission line, both circuits</u></p>						

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	RFP & TSA		<p><u>shall also be terminated in new half diameters at Mandsaur S/s. Accordingly, 2 (two) number of half diameter (consisting of Main and associated Tie Bay), in addition to half diameter constructed for Sirohi – Mandsaur PS 765 kV D/C Transmission line, shall also be constructed under present scope at Mandsaur S/s.</u></p> <p><u>Further, all associated interconnection work shall also be in the present scope of TSP.</u></p>
3.	<p>Specific Technical Requirements for Transmission Line</p> <p>Clause A.6.0 of RFP & TSA</p>	<p>(A) For power line crossing of 400 kV or above voltage level large angle and dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.</p> <p>(B) For power line crossing of 132 kV and 220 kV voltage level, angle towers (B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.</p> <p>(C) For power line crossing of 66 kV and below voltage level, suspension/tension</p>	<p><u>(A) Under crossing of the existing transmission line of same Voltage shall not be allowed. In the case where it is inevitable to under-cross the existing transmission line then TSP shall seek prior approval from Chief Electrical Inspector, CEA with detailed study ensuring that all statutory electrical clearances and Electric Field limit of 10 kV/m at 1 m and 1.8 m from ground level is not violated.</u></p> <p>(B) For power line crossing of 400 kV or above voltage level large angle and dead end towers (i.e. D/DD/QD) shall be used on either side of power line crossing.</p> <p>(C) For power line crossing of 132 kV and 220 kV voltage level, angle towers (B/C/D/DB/DC/DD/QB/QC/QD) shall be used on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.</p> <p>(D) For power line crossing of 66 kV and below voltage level, suspension/tension towers shall be provided on either side of power line crossing depending upon the merit of the prevailing site condition and line deviation requirement.</p> <p>(E) For crossing of railways, national highways and state highways, the rules/ regulations of appropriate authorities shall be followed.</p>

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4.	<p>Specific Technical Requirements for Transmission Line</p> <p>Clause A.22.0 of RFP & TSA</p>	New Clause	<p><u>The stringing of the transmission line in forest area shall be carried out through drone.</u></p>
5.	<p>Specific Technical Requirements for Transmission Line</p> <p>Clause A.23.0 of RFP & TSA</p>	New Clause	<p><u>The tower shall be designed considering the porcelain Insulators with creepage factor of 31 mm/ kV irrespective of type of insulator used.</u></p>

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6.	Specific Technical Requirements for Transmission Line Clause A.24.0 of RFP & TSA	New Clause	<u>RoW width and Span in different terrain shall be as per Schedule VII of CEA (Technical Standards for Construction of Electrical plants and Electric Lines) Regulations 2022 and RoW guidelines issued vide CEA-PS-14-86/2/2019-PSETD Division dated 24.09.2024</u>