

Amendment-IV dated 02.09.2024 on the 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-3: 6GW) [Bikaner complex]: Part-B” through Tariff Based Competitive Bidding process.

S. N.	CI No.	Existing Provisions	New/Revised Provisions								
1.	<p>Clause B.1.2 (viii) and (xi), specific technical requirement of s/s.</p> <p>RFP & TSA</p>	<p>B.1.2 Switching Scheme</p> <p>.....</p> <p>(viii) Siwani S/s:</p> <p>400kV Bus Sectionalization shall be provided with the following feeder distribution.</p> <table border="1" data-bbox="310 537 1142 1114"> <thead> <tr> <th data-bbox="310 537 716 607">400kV Bus Section-1</th> <th data-bbox="716 537 1142 607">400kV Bus Section-2</th> </tr> </thead> <tbody> <tr> <td data-bbox="310 607 716 1114"> a) 3 Nos. of 765/400kV ICT bay b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani -Fatehabad/ Patran D/C line)</i> f) <i>Provision for 1 No. Future Bus Reactor</i> </td> <td data-bbox="716 607 1142 1114"> a) 3 Nos. of 765/400kV ICT b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani - Fatehabad/ Patran D/C line)</i> </td> </tr> </tbody> </table> <p>In line with the above feeder distribution, three (03) number full diameters and one (01) number half diameters (with associated tie bay) shall be provided in each 400kV Sections. In one of half diameters, one circuit of upcoming Fatehabad/Patran D/C line shall be terminated under “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 3:6 GW) [Bikaner complex]: Part-A.</p>	400kV Bus Section-1	400kV Bus Section-2	a) 3 Nos. of 765/400kV ICT bay b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani -Fatehabad/ Patran D/C line)</i> f) <i>Provision for 1 No. Future Bus Reactor</i>	a) 3 Nos. of 765/400kV ICT b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani - Fatehabad/ Patran D/C line)</i>	<p>B.1.2 Switching Scheme</p> <p>.....</p> <p>(viii) Siwani S/s:</p> <p>400 kV Bus Sectionalization shall be provided with the following feeder distribution.</p> <table border="1" data-bbox="1171 537 2003 1114"> <thead> <tr> <th data-bbox="1171 537 1577 607">400 kV Bus Section-1</th> <th data-bbox="1577 537 2003 607">400 kV Bus Section-2</th> </tr> </thead> <tbody> <tr> <td data-bbox="1171 607 1577 1114"> a) 3 Nos. of 765/400 kV ICT bay b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani -Fatehabad/ Patran D/C line)</i> f) <i>Provision for 1 No. Future Bus Reactor</i> </td> <td data-bbox="1577 607 2003 1114"> a) 3 Nos. of 765/400 kV ICT b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani - Fatehabad/ Patran D/C line)</i> </td> </tr> </tbody> </table> <p>In line with the above feeder distribution, three (03) number full diameters and one (01) number half diameters (with associated tie bay) shall be provided in each 400 kV Section. In one of the half diameters, one circuit of upcoming Fatehabad/Patran D/C line shall be terminated under “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 3:6 GW) [Bikaner complex]: Part-A.</p>	400 kV Bus Section-1	400 kV Bus Section-2	a) 3 Nos. of 765/400 kV ICT bay b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani -Fatehabad/ Patran D/C line)</i> f) <i>Provision for 1 No. Future Bus Reactor</i>	a) 3 Nos. of 765/400 kV ICT b) 2 Nos. 400 kV Line (for Siwani -Jind/Sonipat D/C line) c) 1 No. Bus Reactor d) 1 No. STATCOM e) <i>Provision for 2 Nos. 400 kV Line (for upcoming Siwani - Fatehabad/ Patran D/C line)</i>
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		<p align="center">(xi) Extension of Bikaner-IV s/s:</p> <p>For termination of Bikaner-IV- Siwani 765 kV D/C line at Bikaner-IV s/s, both circuits shall be terminated in existing diameter where tie bays shall be available at Bikaner-IV s/s. Further, all associated interconnection work shall also be in the present scope of TSP.</p>	<p><u>Bay configuration at 765 kV yard of Siwani S/s shall be provided such that one feeder in a diameter shall be terminated to an ICT and other shall be terminated to lines /Bus Reactor. Accordingly, 04 Nos. complete diameter and 02 Nos. half diameter (consisting of Main and associated Tie bays) with a provision of 02 Nos. future bays (for terminating 765 kV Bikaner-IV to Siwani D/C line) shall be under present scope.</u></p> <p><u>(xi) Extension of Bikaner-IV S/s:</u></p> <p><u>For termination of 765 kV Bikaner-IV to Siwani (2nd) D/C line at Bikaner-IV S/s, 02 Nos. tie bays shall be available for termination of both circuits at Bikaner-IV S/s. (These Tie bays are in the scope of developer of “Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part- 3:6 GW) [Bikaner complex]: Part-A”). Further, all associated interconnection work shall also be in the present scope of TSP.</u></p>																									
2.	Clause B.2.0 specific technical requirement of s/s. RFP & TSA	<p>B.2.0 Substation Equipment and facilities:</p> <p>The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following capacity.</p> <table border="1" data-bbox="310 1235 1144 1430"> <thead> <tr> <th data-bbox="310 1235 394 1430">Sl. No</th> <th data-bbox="394 1235 646 1430">Description of bay</th> <th colspan="2" data-bbox="646 1235 982 1390">765/400kV Siwani s/s</th> <th data-bbox="982 1235 1144 1390">Extn. of 765 kV Bikaner-IV s/s</th> </tr> <tr> <td></td> <td></td> <th data-bbox="646 1390 835 1430">765 kV</th> <th data-bbox="835 1390 982 1430">400 kV</th> <th data-bbox="982 1390 1144 1430">765 kV</th> </tr> </thead> </table>	Sl. No	Description of bay	765/400kV Siwani s/s		Extn. of 765 kV Bikaner-IV s/s			765 kV	400 kV	765 kV	<p>B.2.0 Substation Equipment and facilities:</p> <p>The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the following capacity.</p> <table border="1" data-bbox="1173 1235 2016 1476"> <thead> <tr> <th data-bbox="1173 1235 1257 1430">Sl. No</th> <th data-bbox="1257 1235 1514 1430">Description of bay</th> <th colspan="2" data-bbox="1514 1235 1856 1390">765/400 kV Siwani s/s</th> <th data-bbox="1856 1235 2016 1390">Extn. of 765 kV Bikaner-IV S/s</th> </tr> <tr> <td></td> <td></td> <th data-bbox="1514 1390 1703 1430">765 kV</th> <th data-bbox="1703 1390 1856 1430">400 kV</th> <th data-bbox="1856 1390 2016 1430">765 kV</th> </tr> </thead> <tbody> <tr> <td data-bbox="1173 1430 1257 1476">1.</td> <td data-bbox="1257 1430 1514 1476">Bus Bar</td> <td data-bbox="1514 1430 1703 1476">4000 A</td> <td data-bbox="1703 1430 1856 1476">4000 A</td> <td data-bbox="1856 1430 2016 1476">4000 A</td> </tr> </tbody> </table>	Sl. No	Description of bay	765/400 kV Siwani s/s		Extn. of 765 kV Bikaner-IV S/s			765 kV	400 kV	765 kV	1.	Bus Bar	4000 A	4000 A	4000 A
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S. N.	CI No.	Existing Provisions					New/Revised Provisions				
		Sl. No.	Scope of the Transmission Scheme	Scheduled COD from Effective Date			Sl. No.	Scope of the Transmission Scheme	Scheduled COD from Effective Date		
		1.	Bus Bar	4000 A	4000 A	4000 A	2.	Line bay	3150 A	3150 A	3150 A
		2.	Line bay	3150 A	3150 A	3150 A	3.	ICT bay	3150 A	3150 A	--
		3.	ICT bay	3150 A	3150 A	--	4.	Bus Reactor Bay	3150 A	3150 A	--
		4.	Bus Reactor Bay	3150 A	3150 A	--	5.	Switched Line Reactor Bay	3150 A	3150 A	3150 A
		5.	Switched Line Reactor Bay	3150 A	3150 A	3150 A	6.	STATCOM bay	--	3150 A	--
		6.	STATCOM bay	--	3150 A	--	7.	<u>Bus Sectionalizer Bay</u>	<u>--</u>	<u>4000 A</u>	--
	Scope of work in RFP & TSA	1.			1.		
		2.								
		3.								
		4.								
		5.								
		6.								
		7.								

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					<p><i>Note:</i></p> <ol style="list-style-type: none"> <u>POWERGRID shall provide space for 2 Nos. of 400 kV line bays each at Jind (PG) and Sonipat (PG) S/s.</u> <u>Developer of Bikaner-IV PS shall provide space for 2 Nos. of 765 kV line bays.</u> 		
	RFP Notification Sr. No. 2, Clause 1.2 of RFP and Schedule 1 of TSA	Sl. No.	Scope of the Transmission Scheme	Scheduled COD from Effective Date	Sl. No.	Scope of the Transmission Scheme	Scheduled COD from Effective Date
		1.		1.	
		2.		2.	
		3.	STATCOM (2x+300MVA _r) along with MSC (4x125 MVA _r) and MSR (2x125 MVA _r) at Siwani S/s	3.	STATCOM (2x+300MVA _r) along with MSC (4x125 MVA _r) and MSR (2x125 MVA _r) at Siwani S/s
		4.		4.	
		5.		5.	
		6.		6.	
		7.		7.	