

Amendment –VIII dated 05.08.2022 on the Request for Proposal Document and Transmission Service Agreement issued for selection of bidder as Transmission Service Provider to establish “Transmission System for Evacuation of Power from REZ in Rajasthan (20GW) under Phase-III Part F” through tariff based competitive bidding process

SI No.	Clause No.	Existing Provisions	New / Revised Clause																																
1	Annexure C: SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION of RFP & Schedule: 1 of TSA	<p>B.1.2 Switching Scheme</p> <p>The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:</p> <table border="1" data-bbox="483 600 1197 1096"> <thead> <tr> <th>Substation</th> <th>765kV side</th> <th>400kV side</th> <th>220kV side</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>(Future)</td> </tr> <tr> <td>765/400/220kV Beawar s/s</td> <td>One & Half breaker (AIS)</td> <td>One & Half breaker (AIS)</td> <td>Double Main & Transfer (AIS)</td> </tr> <tr> <td>765kV Fatehgarh-3 s/s</td> <td>One & Half breaker (AIS)</td> <td>----</td> <td>----</td> </tr> </tbody> </table> <p><i>Notes: -</i></p> <p>i) At 765kV & 400kV voltage level, each circuit of a double circuit transmission line shall be terminated in different diameters.</p> <p>ii) Transformers and bus reactors of same HV rating shall be placed in different diameters (i.e. transformers of same HV rating shall not be in the same diameter and</p>	Substation	765kV side	400kV side	220kV side				(Future)	765/400/220kV Beawar s/s	One & Half breaker (AIS)	One & Half breaker (AIS)	Double Main & Transfer (AIS)	765kV Fatehgarh-3 s/s	One & Half breaker (AIS)	----	----	<p>B.1.2 Switching Scheme</p> <p>The switching schemes, as mentioned below, shall be adopted at various voltage levels of substation/switchyard:</p> <table border="1" data-bbox="1239 600 1974 1096"> <thead> <tr> <th>Substation</th> <th>765kV side</th> <th>400kV side</th> <th>220kV side</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>(Future)</td> </tr> <tr> <td>765/400/220kV Beawar s/s</td> <td>One & Half breaker (AIS)</td> <td>One & Half breaker (AIS)</td> <td>Double Main & Transfer (AIS)</td> </tr> <tr> <td>765kV Fatehgarh-3 s/s</td> <td>One & Half breaker (AIS)</td> <td>----</td> <td>----</td> </tr> </tbody> </table> <p><i>Notes: -</i></p> <p>i) At 765kV & 400kV voltage level, each circuit of a double circuit transmission line (originating from same substation) shall be terminated in different diameters.</p> <p>ii) Transformers and bus reactors of same HV rating shall be placed in different diameters (i.e. transformers of same HV rating shall not be in the same diameter and similarly bus</p>	Substation	765kV side	400kV side	220kV side				(Future)	765/400/220kV Beawar s/s	One & Half breaker (AIS)	One & Half breaker (AIS)	Double Main & Transfer (AIS)	765kV Fatehgarh-3 s/s	One & Half breaker (AIS)	----	----
Substation	765kV side	400kV side	220kV side																																
			(Future)																																
765/400/220kV Beawar s/s	One & Half breaker (AIS)	One & Half breaker (AIS)	Double Main & Transfer (AIS)																																
765kV Fatehgarh-3 s/s	One & Half breaker (AIS)	----	----																																
Substation	765kV side	400kV side	220kV side																																
			(Future)																																
765/400/220kV Beawar s/s	One & Half breaker (AIS)	One & Half breaker (AIS)	Double Main & Transfer (AIS)																																
765kV Fatehgarh-3 s/s	One & Half breaker (AIS)	----	----																																

		<p>similarly bus reactors of same HV rating shall also not be in the same diameter).</p> <p>iii) TSP shall also keep space provision for future 220kV Bus Coupler bay and 220kV Transfer Bus Coupler bay.</p> <p>iv) Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.</p>	<p>reactors of same HV rating shall also not be in the same diameter).</p> <p>iii) TSP shall also keep space provision for future 220kV Bus Coupler bay and 220kV Transfer Bus Coupler bay.</p> <p>iv) Connection arrangement of Switchable Line reactors shall be such that it can be used as Line reactor as well as Bus reactor with suitable NGR bypass arrangement.</p> <p>v) <u>765kV, 1-phase circuit breaker is under present scope of work for utilizing existing 110 MVAR (supplied with bus reactor) spare Reactor for switchable line reactor of Beawar 765kV D/C line (at Fatehgarh-3).</u></p>																																										
2	<p>Annexure C: SPECIFIC TECHNICAL REQUIREMENTS FOR SUBSTATION of RFP & Schedule: 1 of TSA</p>	<p>B.5.0 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder:</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Drawing Title</th> <th>Drawing No./ Details</th> <th>Rev. No.</th> </tr> </thead> <tbody> <tr> <td>A.</td> <td colspan="3">765kV Fatehgarh-3 (AIS) S/S</td> </tr> <tr> <td>1.0</td> <td>Single Line Diagram</td> <td rowspan="5"><u>The drawings are yet to be finalized by developer.</u></td> <td rowspan="5">==</td> </tr> <tr> <td>2.0</td> <td>General Arrangement</td> </tr> <tr> <td>3.0</td> <td>Earthmat Layout</td> </tr> <tr> <td>4.0</td> <td>Visual Monitoring System</td> </tr> <tr> <td>5.0</td> <td>Bus Bar Protection (400kV System)</td> </tr> </tbody> </table>	Sl. No.	Drawing Title	Drawing No./ Details	Rev. No.	A.	765kV Fatehgarh-3 (AIS) S/S			1.0	Single Line Diagram	<u>The drawings are yet to be finalized by developer.</u>	==	2.0	General Arrangement	3.0	Earthmat Layout	4.0	Visual Monitoring System	5.0	Bus Bar Protection (400kV System)	<p>B.5.0 EXTENSION OF EXISTING SUBSTATION</p> <p>The following drawings/details of existing substation is attached with the RFP documents for further engineering by the bidder:</p> <table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Drawing Title</th> <th>Drawing No./ Details</th> <th>Rev. No.</th> </tr> </thead> <tbody> <tr> <td>A.</td> <td colspan="3">765kV Fatehgarh-3 (AIS) S/S</td> </tr> <tr> <td>1.0</td> <td>Single Line Diagram</td> <td><u>C/ENGG/SS/FAT EHGARH-3/SLD/01</u></td> <td><u>01</u></td> </tr> <tr> <td>2.0</td> <td>General Arrangement</td> <td rowspan="4"><u>The drawings are yet to be finalized by developer.</u></td> <td rowspan="4">==</td> </tr> <tr> <td>3.0</td> <td>Earthmat Layout</td> </tr> <tr> <td>4.0</td> <td>Visual Monitoring System</td> </tr> <tr> <td>5.0</td> <td>Bus Bar Protection (400kV System)</td> </tr> </tbody> </table>	Sl. No.	Drawing Title	Drawing No./ Details	Rev. No.	A.	765kV Fatehgarh-3 (AIS) S/S			1.0	Single Line Diagram	<u>C/ENGG/SS/FAT EHGARH-3/SLD/01</u>	<u>01</u>	2.0	General Arrangement	<u>The drawings are yet to be finalized by developer.</u>	==	3.0	Earthmat Layout	4.0	Visual Monitoring System	5.0	Bus Bar Protection (400kV System)
Sl. No.	Drawing Title	Drawing No./ Details	Rev. No.																																										
A.	765kV Fatehgarh-3 (AIS) S/S																																												
1.0	Single Line Diagram	<u>The drawings are yet to be finalized by developer.</u>	==																																										
2.0	General Arrangement																																												
3.0	Earthmat Layout																																												
4.0	Visual Monitoring System																																												
5.0	Bus Bar Protection (400kV System)																																												
Sl. No.	Drawing Title	Drawing No./ Details	Rev. No.																																										
A.	765kV Fatehgarh-3 (AIS) S/S																																												
1.0	Single Line Diagram	<u>C/ENGG/SS/FAT EHGARH-3/SLD/01</u>	<u>01</u>																																										
2.0	General Arrangement	<u>The drawings are yet to be finalized by developer.</u>	==																																										
3.0	Earthmat Layout																																												
4.0	Visual Monitoring System																																												
5.0	Bus Bar Protection (400kV System)																																												

		6.0	Substation Automation System (SAS)			6.0	Substation Automation System (SAS)		
				