Amendment-II to RFP Project Documents for selection of Bidder as Transmission Service Provider to establish Transmission System for "Transmission System For Evacuation of Power From RE Projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh" through tariff based competitive bidding process.

<table>
<tr><th>S. No.</th><th>Clause No.</th><th>Existing Clause</th><th>New / Revised Clause</th></tr>
<tr><td>1.0</td><td>General</td><td>
<table>
<tr><th colspan="3">Transmission System for evacuation of power from RE projects in Rajgarh (1500 MW) SEZ in Madhya Pradesh: Phase-I</th></tr>
<tr><th>S.No.</th><th>Name of Transmission Element</th><th>Scheduled COD in months from Effective Date</th></tr>
<tr><td>1</td><td>Establishment of 400/220 kV, 3x500 MVA at Pachora SEZ PP with 420 kV (125 MVAR) bus reactor
400/220 kV, 500 MVA ICT – 3 nos.
400 kV ICT bays – 3 nos.
220 kV ICT bays – 3 nos.
400 kV line bays – 2 nos.
220 kV line bays – 6 nos. (4 nos. for Agar & Shajapur solar park interconnection & 2 nos. for other RE projects)
125 MVAr, 420 kV reactor-1 no.
420 kV reactor bay – 1 no.
220 kV Bus coupler bay- 1 no.
220kV Transfer Bus Coupler (TBC) bay - 1 no.

Future provisions:

Space for 400/220kV ICTs along with bays: 6 nos.
400kV line bays: 8 nos.
220kV line bays: 9 nos
420kV bus reactor along with bays: 1 no
220kV Bus sectionalizer bay: 2 nos. (One no. bay for each Main</td><td>18 Months</td></tr>
</table>
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<tr>
<td></td>
<td></td>
<td>
<table>
<tr><td></td><td>Bus)</td></tr>
<tr><td>2</td><td>Pachora SEZ PP -Bhopal (Sterlite) 400 kV D/c line (Quad/HTLS) (with minimum capacity of 2100 MVA/ckt at nominal voltage) along with 80MVAr switchable line reactors with 400 ohms NGR on each circuit at Pachora end

Switchable line Reactors (at Pachora end) –420 kV,
2x80MVAr Line reactor bays (at Pachora) – 2 nos</td></tr>
<tr><td>3</td><td>2 no. of 400 kV line bays at Bhopal (Sterlite) for Pachora SEZ PP-Bhopal (Sterlite) 400 kV D/c line (Quad/HTLS) (with minimum capacity of 2100 MVA/ckt at nominal voltage)</td></tr>
</table>
Note:
(i) M/s BDTCL (Bhopal Dhule Transmission Company Limited) to provide space for 2 no. of 400 kV line bays at Bhopal (Sterlite) for termination of Pachora SEZ PP - Bhopal (Sterlite) 400 kV D/c line.
(ii) Space for future provisions for 400 kV line bays to be kept including the space for switchable line reactors.
(iii) The implementation of the scheme to be taken up only after grant of LTA at Pachora P.S.
(iv) <u>The schedule of implementation of the scheme would be matching with schedule of RE developers or 18 months from the date of transfer of SPV whichever is later.</u>
</td>
<td>
<table>
<tr><td></td><td>Bus)</td></tr>
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(iv) <u>The schedule of implementation of the scheme would be 18 months from the date of transfer of SPV.</u>
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<tr><td>2.0</td><td>ANNEXURE 11A – ILLUSTRATION FOR APPLICABLE BOARD RESOLUTION REQUIREMENTS UNDER CLAUSE 2.5.2</td><td>
<table>
<tr><th>Investor in the TSP</th><th>Entities (other than Bidder) whose credentials (financial and/or technical) used by the Bidder for meeting RFP criteria</th><th>Applicable Board Resolutions</th><th>Requirement of Undertaking <u>(Annexure 10A)</u></th></tr>
<tr><td>Bidder himself for 100% equity</td><td>None</td><td>a) Format 1 of Annexure 11 - Resolution: 1, 2 and 4 from the Bidder</td><td>None</td></tr>
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<tr><td>3.0</td><td>Specific Technical Requirements for Substation</td><td>
1.1 Insulation Coordination
The system design parameters for substations/switchyards shall be as given below:

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<tr><th>Sl No</th><th>Description of parameters</th><th>400/220 kV Pachora SEZ PP</th><th>400kV Bhopal (Sterlite) Extn.</th></tr>
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1.1 Insulation Coordination
The system design parameters for substations/switchyards shall be as given below:

<table>
<tr><th rowspan="2">Sl No</th><th rowspan="2">Description of parameters</th><th colspan="2">400/220 kV Pachora SEZ PP</th><th>400kV Bhopal (Sterlite) Extn.</th></tr>
<tr><th>400 kV System</th><th>220 kV System</th><th>400 kV System</th></tr>
<tr><td>1.</td><td>…..</td><td>.....</td><td>.....</td><td>.....</td></tr>
<tr><td>10.</td><td>Max. fault current</td><td>63 kA</td><td>50 kA</td><td><u>63kA</u></td></tr>
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<tr><td>4.0</td><td>Specific Technical Requirements for Substation</td><td>
2.0 Substation Equipment and facilities (Voltage level as applicable):

The switchgear shall be designed and specified to withstand operating conditions and duty requirements. All equipment shall be designed considering the transmission line capacity.
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<tr><th>Sl. No</th><th>Description of bay</th><th colspan="2">400/220 kV Pachora SEZ PP</th><th>400kV Bhopal (Sterlite) Extn.</th></tr>
<tr><th></th><th></th><th>400 kV System</th><th>220 kV System</th><th>400 kV System</th></tr>
<tr><td>1.</td><td>Bus Bar</td><td>4000 A</td><td>4000 A</td><td><u>4000A</u></td></tr>
<tr><td>2.</td><td>…..</td><td>.....</td><td>.....</td><td>.....</td></tr>
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<tr><th></th><th></th><th>400 kV System</th><th>220 kV System</th><th>400 kV System</th></tr>
<tr><td>1.</td><td>Bus Bar</td><td>4000 A</td><td>4000 A</td><td><u>Same as existing i.e. 3150 A</u></td></tr>
<tr><td>2.</td><td>…..</td><td>.....</td><td>.....</td><td>.....</td></tr>
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S. No.	Clause No.	Existing Clause	New / Revised Clause
5.0	**Specific Technical requirements for communication**	**2. (b).** TSP shall provide STM-16 (FOTE) equipment with panel supporting minimum ten (10) MSP (Multiplex Section Protection) in combination of two no. of 5 MSP (Multiplex Section Protection) Equipment. Communication Equipment shall be provided with suitable DC Power Supply & necessary interfaces to meet the voice and data communication requirement between Pachora SEZ, Bhopal (Sterlite), Agar Solar Park, **Shajalpur** Solar Park & Other RE Plants.	**2. (b).** TSP shall provide STM-16 (FOTE) equipment with panel supporting minimum ten (10) MSP (Multiplex Section Protection) in combination of two no. of 5 MSP (Multiplex Section Protection) Equipment. Communication Equipment shall be provided with suitable DC Power Supply & necessary interfaces to meet the voice and data communication requirement between Pachora SEZ, Bhopal (Sterlite), Agar Solar Park, **Shajapur** Solar Park & Other RE Plants.