

SPV Name: **POWERGRID Siwani Transmission Limited**

(Formerly known as “**Bikaner B Power Transmission Limited**”)

Name of Project: **Transmission License Regulations”) to establish Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-3: 6 GW) [Bikaner complex]: Part B**

1. Establishment of 765/400 kV, 6x1500 MVA S/s at suitable location near Siwani (Distt. Bhiwani) along with 2x240 MVar (765 kV) Bus Reactor and 2x125 MVar (420 kV) Bus Reactor
  - 765/400 kV 1500 MVA ICTs- 6 Nos. (19x500 MVA including one spare unit)
  - 765 kV ICT bays-6 Nos.
  - 400 kV ICT bays- 6 Nos.
  - 765 kV line bays – 2 Nos. (for 765 kV interconnection with Bikaner-IV PS)
  - 400 kV line bays – 4 Nos. (for 400 kV interconnections)
  - 240 MVar Bus Reactor-2 Nos. (7x80 MVar, including one spare unit)
  - 765 kV Bus reactor bays-2 Nos.
  - 125 MVar Bus Reactor-2 Nos.
  - 400 kV Bus reactor bays- 2 Nos.
  - 400 kV Sectionalizer bay: 1 set
  - 400 kV bays: 2 Nos. (for STATCOM)

**Future provisions at Siwani S/s: Space for**

- 765 kV line bays along with switchable line reactors – 8Nos.
  - 765 kV Bus Reactor along with bay: 1 No.
  - 400 kV line bays along with switchable line reactor –8 Nos.
  - 400 kV Bus Reactor along with bays: 1 No.
  - 400 kV Sectionalizer bay: 1 set
2. Bikaner-IV PS– Siwani 765 kV D/C (2nd) line along with 240 MVar switchable line reactor for each circuit at each end
    - 765 kV, 240 MVar switchable line reactors at Bikaner-IV PS end– 2 Nos.
    - 765 kV, 240 MVar switchable line reactors at Siwani S/s end–2 Nos.
    - Switching equipment for 765 kV, 240 MVar switchable line reactors at Bikaner-IV PS end – 2 Nos.
    - Switching equipment for 765 kV, 240 MVar switchable line reactors at Siwani S/s end – 2 Nos
  3. STATCOM (2x±300MVar) along with MSC (4x125 MVar) and MSR (2x125 MVar) at Siwani S/s

4. Siwani – Sonipat (PG) 400 kV D/C line (Quad) along with 63 MVar switchable line reactor for each circuit at Siwani S/s end
  - 420 kV, 63 MVar switchable line reactors at Siwani S/s end – 2 Nos.
  - Switching equipment for 420 kV, 63 MVar switchable line reactors at Siwani S/s end – 2 Nos.
5. Siwani – Jind (PG) 400 kV D/C line (Quad)
6. 2 Nos. 400 kV line bays each at Jind (PG) and Sonipat (PG) S/s
  - 400 kV line bays at Jind (PG) S/s – 2 Nos.
  - 400 kV line bays at Sonipat (PG) S/s – 2 Nos.
7. 2 Nos. 765 kV line bays at Bikaner-IV PS