

**A. Tr. System in Rajasthan for LTA applications at Fatehgarh (TBCB)**

- 1) Establishment of 765/400kV, 3X1500MVA, pooling station at suitable location near Fatehgarh in Jaisalmer Distt (Fatehgarh-II PS)
- 2) Establishment of 765/400kV, 2x1500MVA pooling station at suitable location near Phalodi/Bhadla in Jodhpur (Bhadla-II PS)
- 3) Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri
- 4) LILO of both circuits of Fatehgarh (TBCB) – Bhadla (PG) 765 kV D/c line (op. at 400kV) at Fatehgarh-II PS so as establish Fatehgarh (TBCB)-Fatehgarh-II 765kV D/c line (to be op. at 400kV) and Fatehgarh-II- Bhadla (PG) 765kV D/c line
- 5) Charging of Fatehgarh-II PS–Bhadla section at 765kV level
- 6) LILO of both ckts of 765kV Ajmer – Bikaner D/c line at Bhadla-II PS
- 7) Fatehgarh-II PS – Bhadla -II PS 765kV D/c line
- 8) Bhadla-II PS – Bhadla (PG) 400kV D/c Line (Twin HTLS)
- 9) Bikaner(PG) – Khetri 765kV D/c line
- 10) Khetri – Jhatikara 765kV D/c line
- 11) Khetri – Sikar (PG) 400kV D/c line (twin AL59)
- 12) Augmentation with 765/400kV, 1x1500MVA transformer (3<sup>rd</sup>) at Moga S/s
- 13) Augmentation with 1x1000MVA,765/400kV transformer (3<sup>rd</sup>) at Bhiwani (PG)
- 14) Ajmer (PG)– Phagi 765kV D/c line
- 15) 1x125 MVAR (420kV), 2x240 MVar (765kV) Bus Reactor each at Fatehgarh-II PS, Bhadla-II PS & Khetri Substation
- 16) 1x240 MVAR Switchable Line reactors for each circuit at Jhatikara end of Khetri – Jhatikara 765kV D/c line
- 17) 1x240 MVAR Switchable line reactor for each circuit at each end of Bikaner – Khetri 765kV D/c line
- 18) 1x330 MVAR Switchable line reactor for each circuit at Bhadla-II PS end for Ajmer-Bhadla-II PS 765kV line (after LILO)
- 19) 1x240 MVAR Switchable line reactor for each circuit at Bhadla-II PS end for Bikaner-Bhadla-II PS 765kV line (after LILO)

**B. Tr. System in Rajasthan for LTA application at Bhadla (PG)**

- 1) Establishment of 765/400kV, 2x1500MVA pooling station at suitable location near Phalodi/Bhadla in Jodhpur (Bhadla-II PS)
- 2) Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri
- 3) Augmentation of transformation capacity at Bhadla (PG) by 400/220kV, 2x500MVA (6th & 7th) transformers
- 4) LILO of both ckts of 765kV Ajmer – Bikaner D/c line at Bhadla-II PS
- 5) Bhadla-II PS – Bhadla (PG) 400kV D/c Line (Twin HTLS)
- 6) Bikaner(PG) – Khetri 765kV D/c line
- 7) Khetri – Jhatikara 765kV D/c line
- 8) Khetri – Sikar (PG) 400kV D/c line (twin AL59)
- 9) Augmentation with 765/400kV, 1x1500MVA transformer (3<sup>rd</sup>) at Moga S/s
- 10) Augmentation with 765/400kV, 1x1000MVA transformer (3<sup>rd</sup>) at Bhiwani (PG)

Minutes of 2<sup>nd</sup> meeting of NRSCT held on 13.11.2018

- 11) Ajmer (PG)– Phagi 765kV D/c line
- 12) 1x125 MVar (420kV), 2x240 MVar (765kV) Bus Reactor each at Bhadla-II PS & Khetri Substation
- 13) 1x240 MVAR Switchable Line reactors for each circuit at Jhatikara end of Khetri – Jhatikara 765kV D/c line
- 14) 1x240 MVar Switchable line reactor for each circuit at each end of Bikaner – Khetri 765kV D/c line
- 15) 1x330 MVar Switchable line reactor for each circuit at Bhadla-II PS end for Ajmer-Bhadla-II PS 765kV line (after LILO)
- 16) 1x240 MVar Switchable line reactor for each circuit at Bhadla-II PS end for Bikaner-Bhadla-II PS 765kV line (after LILO)

### **C. Tr. System in Rajasthan for LTA applications at Bikaner(PG)**

- 1) Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri
- 2) Bikaner(PG) – Khetri S/s 765kV D/c line
- 3) Khetri – Jhatikara 765kV D/c line
- 4) Khetri – Sikar (PG) 400kV D/c line (twin AL59)
- 5) Augmentation with 765/400kV, 1x1500MVA transformer (3<sup>rd</sup>) at Moga S/s
- 6) 1x125 MVar (420kV), 2x240 MVar (765kV) Bus Reactor at Khetri Substation
- 7) 1x240 MVar Switchable line reactor for each circuit at each end of Bikaner – Khetri 765kV D/c line
- 8) 1x240 MVAR Switchable Line reactors for each circuit at Jhatikara end of Khetri – Jhatikara 765kV D/c line