

Annexure-IV

1. Details of existing CSD proposed to be shifted to SGMU panels.

Name of Substation	No. of Existing CSDs to be Shifted to SGMU Panels	Bay Nos
Ballabgarh	7	436 (Kanpur#2 Main Bay) 437 (Kanpur#3 Main Bay) BR-1 (428 Main Bay) Mainpuri#2 (419Main, 420 Tie) Mainpuri#1 (418Main, 417 Tie)
Hissar	6	BR#1 (423 main bay, 424 tie) 415 (BR#1 Main Bay) 416 (BR#2 Main Bay) 413 (Bhiwadi LR Main Bay) 407R (Moga-1 LR Bay)

2. Details of New DTPC required as per BPS to be integrated in Process Bus Based Scheme.

Name of Substation	No. of DTPC channels	Corresponding Transmission lines where the new DTPCs shall be installed
Ballabgarh	22 (11 – Ballabgarh, 11– Remote end)	Both channels of 400kV Ballabgarh-Mainpuri-1 & 2, Gurgaon, Dadri, Nawada and One Channel of Agra - 1
Hissar	16 (08 – Hissar, 08 – remote end)	400kV Hissar-Bhiwadi-1, Hissar-Fatehabad, Hissar-Moga-1, Hissar-BBMB Bhiwani

3. Details of existing DTPC (Make & Bay No) to be integrated in Process Bus Based Scheme.

Name of Substation	No. of Existing DTPC channels (Make & Bay No)	Corresponding Transmission lines
Ballabgarh	1 nos. Hitachi NSD 70	Agra
	2 nos. Hitachi NSD 70 (One for each Line)	Tughlakabad-1 & 2
	Existing PLCC shall be Used.	Maharani bagh
	6 nos. Valiant Make	Kanpur-1,2,3 (2 nos. valiant in each line)
Hissar	6 nos. Alstom e-terra gridcom DIP	One channel each for Bhiwani-1,2 & 3 and Moga-1,2&3. Existing PLCC shall be used for other lines.

4. Details of existing PMU (Make & Bay No) to be integrated in Process Bus Based Scheme.

Name of Substation	No. of Existing PMU (Make)	Corresponding Transmission lines
Ballabgarh	6 Nos. GE make MiCOM P847 (2 Lines in one PMU)	All lines at 400kV level connected to Ballabgarh
Hissar	8 nos. GE make MiCOM P847	Bhiwani-1,2&3, Moga-1,2&3, Bhiwadi-1,2&3, Kaithal-1&2, BBMB Bhiwani, Fatehabad