

UP SOLAR POWER SUMMARY (ZONE WISE) As on 10.06.2024

Zone wise Total Solar Power (Existing, Applied & Available Margin)

Sr. No.	Transmission Zone	Existing/Commissioned Solar (MW)	Applied Solar But Not Commissioned (MW)	Available Margin (MW)
1	TSE	366	170	834
2	TNE	40	210	1139
3	TW	105	0	2382
4	TSW	60	133	1294
5	TSC+GEC-II*	917	1918+4000*	442+740*
6	TC	655	265	2260
TOTAL		2143	6696	9091

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

- The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
- The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.
- After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility .
- The availability of required feeder bays at substation, space available inside switchyard. issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

Sujat 

Transmission Zone: South-East

Status of margins available at Existing Substation for proposed RE integration

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
PRAYAGRAJ	1	220KV S/S JHUSI	220/132 132/33		2x200 2x63	0	0	40	132
	2	220KV S/S PHULPUR	220/132 132/33		2x160 2x40	0	0	50	132
	3	132KV S/S GYANPUR	132/11		2x20	0	0	0	
	4	132KV S/S HANDIA	132/33		2x40	0	0	15	33
	5	132KV S/S KAURIHAR	132/33		2x40	0	0	0	
	6	132KV S/S SAIDABAD	132/33		2x20	0	0	12	33
	7	132KV S/S SORAON	132/33		1x40+1x63	0	0	0	
	8	400KV S/S REWA ROAD (PPP)	400/220		2x315	0	0	0	
	9	400KV S/S MASALI	400/132 132/33		3x200 Nil - 20	0	0	0	
	10	220KV S/S CANTT. PRAYAGRAJ	220/132 132/33		2x200 4x40	0	0	15	33
	11	220KV S/S REWA ROAD, PRAYAGRAJ	220/132 132/33 132/25		2x200+1x160 3x40 2x12.5	0	0	0	
	12	132KV S/S MINTO PK. PRAYAGRAJ	132/33		1x63+3x40	0	0	0	
	13	132KV S/S OLD POWER HOUSE, ALLHBAD	132/33		2x63	0	0	0	
	14	132KV S/S SALAYA KHURD	132/33		2x40	0	10	0	
	15	132KV S/S TELIARGANJ	132/33		2x63	0	0	0	
	16	132KV S/S KARELI	132/33		2x63(only 1x63 energised)	0	0	0	
	17	132KV S/S NAINI, PRAYAGRAJ	132/33 132/11		3x40 1x20	0	10	0	
	18	132KV S/S KARCHANA	132/33		1x20+2x40	0	0	14	33
	19	132KV S/S KORAON	132/33		2x20+1x40	40	0	0	
	20	132KV S/S MEJA ROAD	132/33		1x63+1x40	75	0	0	
	21	132KV S/S SHANKERGARH	132/33		2x40	40	40	0	
	22	132KV S/S JARI	132/33		2x40	50	0	0	
	23	132KV S/S YAMUNA PUMP CANAL	132/33		2x20	0	0	0	
FATEHPUR	1	220KV S/S FATEHPUR	220/132 132/33		2x200 2x63	0	0	45	132
	2	132KV S/S HUSAINGANJ	132/33		2x40	0	0	0	
	3	132KV S/S BINDAKI	132/33		2x40	0	0	15	33
	4	132KV S/S JAHANABAD	132/33		2x40	0	0	0	
	5	132KV S/S KHAGA	132/33		2x63	21	10	40	132
	6	132KV S/S MALWAN	132/33 132/25		3x40 1x20+1x12.5	0	10	10	33
	7	220KV S/S MALWAN	220/132 132/33		2x160 2x40	0	0	0	
PRATAPGARH	1	220KV S/S PRATAPGARH	220/132 132/33		2x100+1x160 2x63	0	0	0	
	2	132KV S/S GARWARA	132/33		1x40+1x20	0	30	0	
	3	132KV S/S KUNDA	132/33		2x63	0	0	15	33
	4	132KV S/S LALGANJ(PRATAPGARH)	132/33		2x40	0	0	18	33
	5	132KV S/S RANIGANJ	132/33		2x40	0	0	16	33
	6	132KV S/S PATTI	132/33		2x40	0	0	12	33
	7	132KV S/S MANDHATA	132/33		2x40(only 1x40 energised)	0	0	0	
	8	220KV S/S SANGIPUR	220/132			0	0	40	132
KAUSHAMBI	1	220KV S/S SIRATHU	220/132		2x160	0	0	0	
	2	132KV S/S BHARWARI	132/33		1x40+1x20	0	0	0	
	3	132KV S/S MANAURI	132/33		2x63	0	0	18	33
	4	132KV S/S MANIHANPUR	132/33		2x40+1x63	0	0	15	33
	5	132KV S/S SARAI AKIL	132/33		2x40	0	0	10	33
	6	132KV S/S SIRATHU	132/33 132/25		1x63+1x40 1x20+1x12.5	0	0	0	
VARANASI	1	400KV S/S VARANASI(SARNATH)	400/220 220/132		1x500+3x315 1x200 + 2x160	0	0	0	
	2	220KV S/S BHELUPUR	220/33		2x60	0	0	0	
	3	220KV S/S RAJA KA TALAB	220/132 132/33		2x160 2x40(only 1x160 +	0	0	0	
	4	220KV S/S GAZOKHAR	220/132 132/33		2x160 1x63+1x40	0	0	0	
	5	220KV S/S HARAHUA	220/33		2x60	0	0	0	
	6	132KV S/S CHOLAPUR	132/33		2x40 (1x40 MVA Energised)	0	0	0	
	7	132KV S/S B.H.U. VARANASI	132/33		1x40	0	0	16	33
	8	132KV S/S DLW. VARANASI	132/33		1x40+1x20	0	0	40	132
	9	132KV S/S KAITHI	132/33		2x40	0	0	12	33
	10	132KV S/S KURSATO	132/33		2x40	0	0	18	33
	11	132KV S/S RAJA KA TALAB	132/33		2x63	0	0	15	33
	12	132KV S/S VARANASI CANTT.	132/33		2x63+1x40	0	0	18	33
	13	132KV S/S VARANASI(SARNATH)	132/33		1x100+1x63+1x40	0	0	0	
	14	132KV S/S MANDUADIH	132/33 132/11		4x40 1x20	0	0	0	
	15	132KV ALAIPUR	132/33			0	0	30	132

Sujat

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
CHANDAULI	1	220KV S/S SAHUPURI	220/132 132/33		2x200+1x160	0	0	0	
	2	132KV S/S CHAKIA	132/33		2x40+1x20	0	0	0	
	3	132KV S/S CHANDAULI	132/33		2x20	0	0	18	33
	4	132KV S/S DHANAPUR	132/33		1x63+1x40	0	0	15	33
	5	132KV S/S MUGALSARAI	132/33		2x40	0	0	0	
MIRZAPUR	1	220KV S/S MIRZAPUR	220/132 132/33		3x160 2x20	0	0	0	
	2	132KV S/S GURUDEV NAGAR	132/33		1x40+1x63	50	0	0	
	3	132KV S/S JIGNA	132/33 132/25		2x40 2x12.5	50	0	0	
	4	132KV S/S LALGANJ,MIRZAPUR	132/33		2x20	40	0	0	
	5	132KV S/S MIRZAPUR	132/33		2x63	0	0	0	
	6	132KV S/S CHHANBEY	132/33		2x40	0	10	0	
	7	132KV S/S AHRAURA	132/33		2x20	0	0	15	33
	8	132KV S/S CHUNAR	132/33 132/25		2x63 2x12.5	0	0	0	
	9	132KV S/S KAZARAHAT	132/33		2x20	0	0	0	
	10	132KV S/S NARAINPUR	132/11		2x20	0	0	0	
	11	132KV S/S KACHHWAN, MIRZAPUR	132/33		2x40	0	0	16	33
BHADOHI	1	132KV S/S AURAI	132/33		2x40	0	0	0	
	2	132KV S/S BHADOHI	132/33		2x63+1x20	0	0	18	33
	3	132KV S/S CHAURI	132/33		2x20	0	0	0	
	4	132KV S/S GOPIGANJ	132/33		2x40+1x20	0	0	15	33
SONEBHADRA	1	220KV S/S ROBERTSGANJ	220/132		1x160	0	0	0	
	2	132KV S/S BINA	132/33		3x20	0	0	0	
	3	132KV S/S DALA	132/33		2x40	0	0	0	
	4	132KV S/S ROBERTSGANJ	132/33		1x63+1x40	0	0	0	
	5	132KV S/S PASAHI	132/33		2x40	0	50	0	
GHAZIPUR	1	220KV S/S BHADAURA	220/132 132/33		2x100(Only 1x100 MVA Energised) 2x40	0	0	18	33
	2	220KV S/S GHAZIPUR	220/132		2x160	0	0	0	
	3	132KV S/S GHAZIPUR	132/33		2x63	0	0	0	
	4	132KV S/S KASIMABAD	132/33		2x20+1x40	0	0	0	
	5	132KV S/S KUNDESAR	132/33		1x63+1x40	0	0	10	33
	6	132KV S/S SADAT	132/33		2x40	0	0	0	
	7	132KV S/S SAIDPUR	132/33 132/11		2x63	0	0	14	33
	8	132KV S/S ZAMANIA	132/33		1x63+1x40	0	0	40	132
JAUNPUR	1	220KV S/S JAUNPUR	220/132 132/33		3x160 1x20	0	0	0	
	2	132KV S/S JAUNPUR	132/33		2x63	0	0	15	33
	3	132KV S/S MACHHALISHAHR	132/33		1x40+1x63	0	0	18	33
	4	132KV S/S MARIYAHUN	132/33		1x40+1x20	0	0	0	
	5	132KV S/S MUGRABADSHAHPUR	132/33		2x20	0	0	10	33
	6	132KV S/S SHAHGANJ	132/33		1x63+1x40	0	0	35	132
	7	132KV S/S SIDDIQUEPUR	132/33		2x20+1x40	0	0	0	
	8	132KV S/S BADLAPUR	132/33		2x40+1x20	0	0	18	33
	9	132KV S/S KERAKAT	132/33		1x63 + 1x40	0	0	10	33
	10	400KV S/S JAUNPUR	400/220 220/132		3x315 2x160(only 1x315 + 1x160 energised)	0	0	0	
TOTAL						366	170	834	

Note:

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b) The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.

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Transmission Zone: North-East

Status of margins available at Existing Substation for proposed RE integration

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (in kV)
AZAMGARH	1	400KV S/S AZAMGARH	400/220		2x500	0	0	0	
	2	220KV S/S AZAMGARH	220/132 132/33		1x200+2x160 1x63+2x40	0	0	60	132
	3	220KV S/S AZAMGARH-II	220/132 132/33		2x160 2x40	0	0	40	132
	4	132KV S/S ATRAULIA	132/33		2x20	0	0	0	
	5	132KV S/S SIDHARI AZAMGARH	132/33		2x63	0	0	14	33
	6	132KV S/S KOILSA	132/33		2x40+1x20	0	0	0	
	7	132KV S/S LALGANJ(AZAMGARH)	132/33		2x63	0	80	0	
	8	132KV S/S MEHNAGAR	132/33		1x20+2x40	0	0	12	33
	9	132KV S/S MUBARAKPUR	132/33		2x20	0	0	15	33
	10	132KV S/S PHOOLPUR	132/33		2x63+1x40	0	0	12	33
	11	132KV S/S BINDAWAL JAIRAJPUR	132/33		2x40	0	0	16	33
	12	132KV S/S RANI KI SARAI	132/33		2x20	0	0	0	
BALLIA	1	400KV S/S RASRA	400/220 220/132		2x500 2x160(only 1x500 + 2x160 energised)	0	70	35	132
	2	220KV S/S RASRA	220/132 132/33		2x160 1x40+1x63	0	0	40	132
	3	132KV S/S BALLIA	132/33		2x63	0	0	15	33
	4	132KV S/S CHITBRAGAON	132/33		2x20	0	0	12	33
	5	132KV S/S DIGHAR	132/33		2x40	0	0	14	33
	6	132KV S/S BANSDIH	132/33		2x40	0	0	16	33
	7	132KV S/S SIKANDERPUR	132/33		1x63+1x40	0	0	45	132
MAU	1	400KV S/S MAU(KASARA)	400/132 132/33		3x200 1x20	0	0	0	
	2	132KV S/S BADAGAON	132/33		2x40	0	0	0	
	3	132KV S/S DOHRIGHAT	132/33		2x63	0	0	13	33
	4	132KV S/S HALDHARPUR	132/33		1x40+1x20	0	50	0	
	5	132KV S/S KATGHARA MEHLOO	132/33		2x20	0	0	10	33
	6	132KV S/S MAU(NEW)	132/33		2x63	0	0	0	
	7	132KV S/S MAU(OLD)	132/33		2x63	0	0	0	
	8	132KV S/S MOHAMMADABAD	132/33		1x63+1x40	0	10	5	33
	9	132KV S/S SEMARI JAMALPUR	132/33		1x63+1x40	0	0	15	33
	10	132KV GHOSI	132/33			0	0	20	33
BASTI	1	220KV S/S BASTI	220/132 132/33		2x200 3x63	0	0	50	132
	2	132KV S/S KALWARI	132/33		2x20	0	0	0	
	3	132KV S/S HARRAIYA	132/33		2x63	0	0	0	
	4	400KV S/S BHAIKUHARI	400/220 220/132		2x500 2x200	0	0	55	132
SANT KABIR NAGAR	1	132KV S/S KHALILABAD	132/33		2x40	0	0	40	132
	2	132KV S/S MEHDAWAL	132/33		1x40+2x20	0	0	18	33
	3	132KV S/S NATHNAGAR	132/33		2x20	0	0	18	33
	4	220KV S/S DULHIPAR	220/132 132/33		2x160 2x40(only 1x160 + 1x40)	0	0	60	132
SIDDHARTH NAGAR	1	220KV S/S BANSI	220/132 132/33		2x160 2x40+1x20	0	0	55	132
	2	132KV S/S DUMARIAGANJ	132/33		2x40	0	0	18	33
	3	132KV S/S ITWA	132/33		2x20+1x40	0	0	18	33
	4	132KV S/S NAUGARH	132/33		3x40	0	0	18	33
GORAKHPUR	1	400KV S/S GORAKHPUR(MOTIRAM ADDA)	400/220		1x500+1x315+ 1X240	0	0	40	220
	2	220KV S/S GORAKHPUR II (MOTI RAM ADDA)	220/132 132/33		3x160 1x20	0	0	0	
	3	132KV S/S GORAKHPUR(FCI)	132/33		2x63+1x40	0	0	0	
	4	132KV S/S GORAKHPUR(MOHHADDIPUR)	132/33		1x40+1x63	0	0	15	33
	5	132KV S/S GORAKHPUR(MOHHADDIPUR-II)	132/33		3x40	0	0	15	33
	6	132KV S/S SHATRUGHANPUR	132/33		2x40	0	0	10	33
	7	132KV S/S BHATHAT	132/33		2X40	0	0	0	
	8	132KV S/S FCI-II	132/33		2x40	0	0	0	

Sujit A

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 KV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (in kV)
	10	132KV S/S CAMPIERGANJ	132/33		2x40	0	0	0	
	11	220KV S/S GOLA	220/132 132/33		2x160 2x40	0	0	45	132
	12	220KV S/S GORAKHPUR-I(BARAHUWA)	220/132 132/33		2x160+1x200+ 1x100 2x63	0	0	0	
	13	132KV S/S BARHALGANJ	132/33		2x40	0	0	15	33
	14	132KV S/S GIDA	132/33		2x40	0	0	16	33
	15	132KV S/S KAURIRAM	132/33		1x63+1x40	0	0	12	33
KUSHINAGAR	1	220KV S/S HATA	220/132 132/33		1x100+1x160 2x40	0	0	40	132
	2	132KV S/S KASIA	132/33		2x63+1x40	0	0	0	
	3	132KV S/S LAXMIPUR	132/33		2x40	0	0	18	33
	4	132KV S/S RAJA PAKAD	132/33		2x40	0	0	18	33
MAHARAJGANJ	1	132KV S/S ANANDNAGAR	132/33		1x63+1x40	0	0	15	33
	2	132KV S/S MAHARAJGANJ	132/33		1x63+1x40	0	0	17	33
	3	132KV S/S NAUTANWA	132/33		2x40	0	0	0	
DEORIA	1	220KV S/S DEORIA	220/132		2x160 + 1x100	0	0	55	132
	2	132KV S/S DEORIA	132/33		1x63+2x40	40	0	0	
	3	132KV S/S RUDRAPUR	132/33		1x63+1x40	0	0	18	33
	4	132KV S/S PURNCHAAPAR	132/33		2x20	0	0	16	33
	5	132KV S/S SALEMPUR	132/33		1x63+1x40	0	0	15	33
TOTAL						40	210	1139	

Note:


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a) The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.

b) The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.

c) After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility.

d) The availability of required feeder bays at substation, space available inside switchyard, issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

Sujit 

Transmission Zone: West

Status of margins available at Existing Substation for proposed RE integration

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
Meerut	1	220KV S/S PARTAPUR(JAGRITI VIHAR)	220/132 132/33		3x160 2x40	0	0	35	132
	2	220KV S/S MEERUT(MODIPURAM)	220/132 132/33		2x200 2x63+1x40	0	0	0	
	3	220KV S/S SHATABDI NAGAR	220/132 132/33		1x200+2x160 3x63	0	0	0	
	4	132KV S/S HAPUR BY PASS ROAD	132/33		2x40	0	0	0	
	5	132KV S/S HAPUR ROAD MEERUT (LOHIA)	132/33		1x63+1x40	0	0	0	
	6	132KV S/S KANKER KHERA	132/33		1x63+1x40	0	0	32	132
	7	132KV S/S MEERUT(MEDICAL COLLEGE)	132/33		1x63+2x40	0	0	0	
	8	132KV S/S MEERUT(PARTAPUR)	132/33		1x63+2x40	0	0	0	
	9	132KV S/S KANKER KHERA-II	132/33		2x40	0	0	33	132
	10	132KV S/S MUNDALI	132/33		2x40	0	0	12	33
	11	132KV S/S NAGLIKHITHOR	132/33		2x63	0	0	15	33
	12	132KV S/S GANGANAGAR	132/33		2x63	0	0	14	33
	13	220KV S/S MODIPURAM-II	220/132		2x160 + 2X40(ONLY 1X160 +	0	0	35	132
	14	220KV S/S CHARLA(SARDHANA)	220/132 132/33		2x160+1x100 2x63+1x40	0	0	0	
	15	132KV S/S SALAVA	132/33		2x40	10	0	36	132
	16	132 KV S/S MAWANA ROAD Hasinapur	132/33		3x40	0	0	18	33
	17	132KV S/S RAMRAJ	132/33		1X40+1x20	0	0	0	
	18	132KV S/S MAWANA	132/33		2x63	0	0	0	
	19	132KV S/S SARDHANA	132/33		1x40+2x63	0	0	0	
Baghpat	1	220KV S/S BAGHPAT	220/132		1x160+1x100	0	0	40	132
	2	220KV S/S BARAUT	220/132 132/33		1x160+2x200 2x63+1x40	0	0	0	
	3	132KV S/S BAGHPAT	132/33		2x63	0	0	0	
	4	132KV S/S CHHAPRAULI	132/33		1x63+1x40	0	0	15	33
	5	132KV S/S KHEKRA	132/33		2x40	0	0	13	33
	6	132KV S/S KIRTHAL	132/33		2x40	0	0	10	33
	7	132KV S/S NIRPURA	132/33		1x63+1x40	0	0	40	132
	8	132KV S/S HARSIIYA	132/33		2x40	0	0	12	33
	9	132KV S/S SINGHAOLI	132/33		2x63	0	0	18	33
	10	220KV S/S NIRPURA	220/132 220/33		2x160 1x60	0	0	0	
	11	132KV S/S BILOCHPURA	132/33		2x40	0	0	0	
Bulandshahar	1	400KV S/S SIKANDRABAD (PPP)	400/220		2x500	0	0	0	
	2	220KV S/S RUKHI	220/132 132/33		2x160 2x60(ONLY 1x160 + 1x60 energised)	0	0	0	
	3	220KV S/S SIKANDRABAD	220/132 220/33 132/33		2x100+1x160 1x60 2x63+1x40	0	0	0	
	4	132KV S/S BB NAGAR	132/33		2x40	0	0	0	
	5	132KV S/S BULANDSHAHR(BHOOR)	132/33 132/11		1x63+1x40 1x20	0	0	10	33
	6	132KV S/S BHOOR-II	132/33		2x40	0	0	17	33
	7	132KV S/S GULAOTI	132/33		2X40	0	0	0	
	8	132KV S/S LAKHAOTI	132/33		1x63+1x40+1x20	0	0	16	33
	9	132KV S/S SIYANA	132/33		1x63+1x40	0	0	35	132
	10	220KV S/S KHURJA	220/132 132/33		2x200 2x63+1x40	0	0	50	132
	11	220KV S/S DEBAI	220/132 132/33		2x100 1x40+1x63	0	0	35	132
	12	220KV S/S JAHANGIRABAD	220/132 132/33		2x160 2x40	0	0	40	132
	13	132KV S/S ANOOPSHAHAR	132/33		2x40	0	0	14	33
	14	132KV S/S JAHANGIRABAD	132/33 132/11		2x40 1x20	0	0	12	33
	15	132KV S/S JAHANGIRPUR	132/33		1x63+1x40	0	0	45	132
	16	132KV S/S KHURJA-II	132/33		2x40	0	0	38	132
	17	132KV S/S DHARMAPUR	132/33		2x20+1x40	0	0	38	132
	18	132KV S/S SHIKARPUR	132/33		2x40+1x20	0	0	10	33
Hapur	1	765KV S/S HAPUR (PPP)	765/400 400/220		2x1500 2x500	0	0	0	
	2	220KV S/S SIMBHAOLI	220/132 132/33		2x200 2x63+1x40	0	0	45	132
	3	220 KV HAPUR HYBRID	220/132 220/33		2x160 3x60	0	0	0	

Sujat

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
	4	132KV S/S GARHMUKTRESHWAR	132/33		2x40	0	0	15	33
	5	132KV S/S HAPUR	132/33		3x40	0	0	13	33
	6	132KV S/S HAPUR IIB(BABUGARH)	132/33		2x63	0	0	0	
	7	132KV S/S PILKHUWA	132/33		2x40	0	0	35	132
Gautam Buddha Nagar	1	400KV S/S GREATER NOIDA	400/220 220/132 132/33		2x500+2x315 2x200+1x160 +1x20	0	0	0	
	2	220KV S/S INTEGRATED TOWNSHIP	220/33		4x60(only 3x60 energised)	0	0	0	
	3	765KV S/S GREATER NOIDA (PPP)	765/400 400/220		2x1500 2x315+1x20(s/s supply)	0	0	0	
	4	400KV S/S Sector-123 Noida	400/132 132/33		4x200(2x200 MVA Energized) 4x100(2x100 MVA)	0	0	0	
	5	400KV S/S SECTOR -148 NOIDA	400/220 220/132 220/33 132/33		2x500 1x160 2x100	0	0	0	
	6	220KV S/S NOIDA,SECTOR-129	220/132 132/33		3x160 3X63+1X100	0	0	0	
	7	220KV S/S NOIDA,SECTOR-20	220/132 132/33		3x160 4x63	0	0	0	
	8	220KV S/S BOTANICAL GARDEN, SECTOR- 38 A, NOIDA	220/33		3x60	0	0	0	
	9	132KV S/S NOIDA SECTOR-115	132/33		3x63	0	0	0	
	10	132KV S/S SURAJPUR	132/33		2x63+1x40	0	0	0	
	11	132KV S/S NOIDA-II(BHANGEL)	132/33		2x63	0	0	0	
	12	132KV S/S NOIDA-IV(SECTOR-45)	132/33		2x63	0	0	14	33
	3	220KV S/S DADRI	220/132 132/33		1x160+1x100 3x63	0	0	0	
	14	220KV S/S NOIDA,SECTOR-62	220/132 220/33 132/33		2x160 2x60 2x63	0	0	0	
	15	220KV S/S RC GREEN	220/132 220/33 132/33		2x160 2x60 4x63	0	0	18	33
	16	132 KV S/S DANKAUR	132/33		2x40	0	0	10	33
	17	132KV S/S NOIDA-III(SECTOR-62)	132/33		3x63	0	0	0	
	18	132KV S/S NOIDA-V(SECTOR-66)	132/33		3x63	0	0	0	
	19	132KV S/S SECTOR- 63	132/33		3x63	0	0	40	132
	20	132KV S/S SECTOR- 67	132/33		2x63	0	0	38	132
Ghaziabad	1	400KV S/S ATATUR(GIS) (PPP)	400/220, 220/33		2x500+3x60	0	0	0	
	2	400KV S/S DASNA (PPP)	400/220		2X315+2X100	0	0	0	
	3	400KV S/S INDIRAPURAM (GIS) (PPP)	400/220 220/33		2x500 3x60	0	0	0	
	4	220 KV S/S MANDOLA VIHAR	220/33		3x60	0	0	0	
	5	220KV S/S LONI	220/132 132/33		1x200+1x150 2X63	0	0	50	132
	6	220KV S/S MORTI	220/132 220/33		2x160 3x60	0	0	0	
	7	220KV S/S SAHIBABAD	220/132 132/33 132/11		2x200 3x63 1x20	0	0	0	
	8	132KV S/S KANHA UPWAN	132/33		2x63	0	0	32	132
	9	132KV S/S MOHANNAGAR	132/33		3x40+1x20	0	0	0	
	10	132KV S/S TILA MORE	132/33		2x63	0	0	0	
	11	132KV S/S VAISHALI	132/33		1x63+2x40	0	0	0	
	12	220KV S/S PRATAPVIHAR	220/132 220/33		1x160+1x100 2x60	0	0	0	
	13	220KV S/S MADHUBAN BAPUDHAM, GIS	220/132 220/33		2x160 2x60	0	0	45	132
	14	132KV S/S DPH,GHAZIABAD	132/33		2x63	0	0	0	
	15	132KV S/S GHAZIABAD(BSR ROAD) Lal kuan	132/33 132/11		1x100+1x40+1x63	0	0	0	
	16	132KV S/S GHAZIABAD(IA)	132/33		1x40+2x63	0	0	0	
	17	132KV S/S GHAZIABAD(M ROAD),MORTA	132/33		2x63+1x40	0	0	33	132
	18	132KV S/S GOVINDPURAM	132/33		2x63	0	0	0	
	19	132KV S/S UPSIDC, MASSURI	132/33		1x63+1x40	0	0	0	
	20	132KV S/S DASNA	132/33		1x63+1x40+1x20	0	0	0	
	21	220KV S/S FARIDNAGAR	220/132 132/33		1x100+1x160 2x60	0	0	50	132
	22	220KV S/S MURADNAGAR	220/132 132/33		2x200+1x160 2x63	0	0	0	

Sujat

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
	23	132KV S/S MODINAGAR(MODI STEEL)	132/33		1X40+1x20	0	0	12	33
	24	132KV S/S MODINAGAR(NIWARI ROAD)	132/33		1x63+1x40+1x20	0	0	16	33
	25	400KV S/S MURADNAGAR-I	400/220		1x500+2x315	0	0	0	
	26	400KV S/S MURADNAGAR-II	400/220		1x315+2x240	0	0	0	
	27	220KV MORTA	220/33		2x100	0	0	70	220
Moradabad	1	400KV S/S MORADABAD	400/220		2x500+1x240	0	0	0	
	2	132KV S/S AWAS VIKAS,MORADABAD	132/33		1x20+2x40	0	0	34	132
	3	132KV S/S BILARI	132/33		2x40+1x20	0	0	35	132
	4	132KV S/S KUNDARKI	132/33		1x40+2x20	0	0	0	
	5	132KV S/S MORADABAD-II(KANTH ROAD)	132/33		2x63+1x20	0	0	0	
	6	220KV S/S MORADABAD(MAJHOLA)	220/132		1x200+2x160	0	0	42	132
	7	132KV S/S AGWANPUR	132/33		2x40	0	0	10	33
	8	132KV S/S MORADABAD-III(GULAB BARI)	132/33		1x63+2x40	0	0	12	33
	9	132KV S/S THAKURDWARA	132/33		2x40+1x20	0	0	15	33
Rampur	1	220KV S/S RAMPUR	220/132		3x100+1x160	0	0	0	
	2	132KV S/S BILASPUR	132/33		2x63+1x40	0	0	0	
	3	132KV S/S RAMPUR	132/33		2x63+1x40	0	0	0	
	4	132KV S/S SAHABAD,RAMPUR	132/33		3x20	0	0	0	
	5	132KV S/S LALPUR	132/33		2x40	0	0	0	
	6	132KV S/S TANDA (RAMPUR)	132/33		2x40+1x20	0	0	0	
Sambhal	1	220KV S/S CHANDAUSI	220/132		2x160	0	0	0	
			132/33		3x40				
	2	220KV S/S SAMBHAL	220/132		2x160+1x100	0	0	0	
			132/33		2x40				
	3	132KV S/S ASMOLI	132/33		2x40+1x20	0	0	10	33
	4	132KV S/S BABRALA(GUNNOR)	132/33		2x40+1x20	0	0	38	132
	5	132KV S/S CHANDAUSI	132/33		1x63+2x40	0	0	0	
6	132KV S/S SAMBHAL	132/33		1x63+2x40	0	0	0		
7	132KV S/S KAILADEVI	132/33		2x40(Only 1x40 MVA Energised)	0	0	20	33	
Amroha	1	220KV S/S GAJRAULA	220/132		2x160	0	0	55	132
			132/33		3x63				
	2	220KV S/S AMROHA	220/132		2x160	0	0	0	
			132/33		2x40				
	3	132KV S/S AMROHA	132/33		1x63+2x40	0	0	10	33
	4	132KV S/S BACHHRAUN	132/33		2x63	0	0	40	132
	5	132KV S/S GAJRAULA	132/33		1x63+2x40	5	0	0	
	6	132KV S/S KOTHI KHIDMATPUR	132/33		2x40	0	0	32	132
7	132KV S/S SAID NAGLI	132/33		2x63+1x40	0	0	36	132	
8	132KV HASANPUR	132/33			0	0	70	132	
Bijnore	1	400KV S/S NEHTAUR (PPP)	400/132		3X200	0	0	0	
	2	132KV S/S BIJNORE	132/33		2x40+1x20	0	0	0	
	3	132KV S/S TAJPUR	132/33		3x40	0	0	15	33
	4	132KV S/S MORNA	132/33		2X40	10	0	14	33
	5	132KV S/S CHANDAK	132/33		2x40	0	0	18	33
	6	132KV S/S CHANDPUR	132/33		2x63+1x40	0	0	0	
	7	132KV S/S JALILPUR	132/33		2x63	0	0	0	
	8	132KV S/S KIRATPUR	132/33		1x63+1x40	0	0	0	
	9	220KV S/S CHANDPUR	220/132		2x160	0	0	40	132
	10	220KV S/S NEHTAUR	220/132		2x160+1x100	0	0	0	
			132/33		2x63+1x40				
	11	132KV S/S SHERKOT	132/33		2x20	20	0	10	33
	12	132KV S/S NAGINA	132/33		3x40	0	0	14	33
	13	132KV S/S NAJBABAD	132/33		2x63	0	0	0	
	14	132KV S/S DHAMPUR	132/33		2x40	0	0	18	33
15	132KV S/S AFZALGARH	132/33		3x20	0	0	0		
Muzaffarnagar	1	400KV S/S MUZAFFARNAGAR	400/220		3x315+1x500	0	0	0	
			220/132		2x160				
	2	220KV S/S BADAIKALAN	220/132		2x160	0	0	0	
			132/33		1x40 (1X40 yet to be energised)				
	3	220KV S/S JANSATH	220/132		1x160+1x100	0	0	42	132
			132/33		2x63				
	4	220KV S/S NARA(MUZAFFARNAGAR)	220/132		1x200+1x160	0	0	0	
		132/11		2x63+1x40					
5	132KV S/S BHOPA ROAD	132/33		1x20	0	0	0		
6	132KV S/S BAGHRA	132/33		3x63	0	0	0		
7	132KV S/S JOLLY ROAD,MUZAFRNAGAR	132/33		2X40	0	0	0		
				2x63	0	0	12	33	

Sujit

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
	8	132KV S/S KHATAULI	132/33		1x63+1x40	0	0	32	132
	9	132KV S/S PURA	132/33		1x63+1x40	0	0	34	132
	10	132KV S/S PURKAZI	132/33		2x40	0	0	0	
	11	132KV S/S BHOPA(BHOKARHEDI)	132/33		2x40	0	0	0	
	12	132KV S/S BUDHANA	132/33		1x63+1x40	0	0	10	33
	13	132KV S/S LALUKHERI	132/33		2x63	0	0	40	132
	14	132KV S/S KHARAD	132/33		1x40+1x63	0	0	42	132
Saharanpur	1	220KV S/S BEHAT	220/132 132/33		1x160+1x100 1x63+1x40	0	0	0	
	2	220KV S/S SARSAWAN	220/132 132/33		2x160 2x40	0	0	0	
	3	220KV S/S SAHARANPUR	220/132 132/33		2x200 2x63+2x40+1x20	0	0	0	
	4	132KV S/S AMBALA ROAD SAHARANPUR	132/33		1x63+1x40	0	0	15	33
	5	132KV S/S AMBALA ROAD -II	132/33		2x40	0	0	12	33
	6	132KV S/S CHUTMALPUR	132/33		1x63+1x40	60	0	0	
	7	132KV S/S GAGALHERI	132/33		2x40	0	0	0	
	8	132KV S/S RAMPUR MANIHARAN	132/33		2x40	0	0	10	33
	9	220KV S/S NANAUTA	220/132 220/33 132/33		2x200 1x60 2x63	0	0	52	132
	10	132KV S/S DEOBAND	132/33		2x63	0	0	0	
	11	132KV S/S GANGOH	132/33		2x63	0	0	0	
	12	132KV S/S KOTA	132/33		1x63+1x40	0	0	14	33
	13	132KV S/S NAKUR	132/33		2x63	0	0	0	
Shamli	1	220KV S/S SHAMLI	220/132 220/33 132/33		2x200+1x100 1x60 2x63+1x40	0	0	55	132
	2	132KV S/S JHINJHANA	132/33		1x40+1x63	0	0	17	33
	3	132KV S/S KAIRANA	132/33		2x63	0	0	10	33
	4	132KV S/S JASALA	132/33		1x40+1x63	0	0	15	33
	5	132KV S/S BANNAT	132/33		2x40	0	0	15	33
	6	132KV S/S KANIYAN	132/33		2x40	0	0	38	132
	7	132KV S/S SHAMLI SHYAMLA	132/33		1x40+2x20	0	0	45	132
	8	132KV S/S THANA BHAWAN	132/33		1x63+1x40	0	0	10	33
TOTAL						105	0	2382	

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

- The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
- The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.
- After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility.
- The availability of required feeder bays at substation, space available inside switchyard, issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

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Transmission Zone: South-West

Status of margins available at Existing Substation for proposed RE integration

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
				765/400KV	400/220 KV & 220/132 KV & 132/33 KV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
Agra	1	765KV S/S FATEHABAD, AGRA	765/400	2x1500		0	0	0	
	2	400KV S/S AGRA	400/220 220/132 132/33		2x500+1x315 3x160 1x20	0	0	0	
	3	220KV S/S SHAMSHABAD ROAD	220/132 132/33		2x160 2x63	0	0	40	132
	4	132KV S/S BHEEMNAGARI	132/33		2x40	0	0	12	33
	5	132KV S/S FATEHABAD	132/33		2x63	0	0	15	33
	6	132KV S/S KHERAGARH	132/33		2x40	0	10	10	33
	7	132KV S/S SHAMSHABAD	132/33		2x40	0	0	16	33
	8	132KV S/S AGRA(TAJ)	132/33		1x63+2x40	0	0	0	
	9	220KV S/S SIKANDRA,AGRA	220/132 220/33 132/33		2x160+1x100 2x60 1x63 + 1x40	0	0	0	
	10	132KV S/S AGRA(CANTT.)	132/33		2x63	0	0	0	
	11	132KV S/S AGRA(FOUNDARI-NAGAR)	132/33		2x40+1x63	0	0	0	
	12	132KV S/S BODLA	132/33		2x63+1x40	0	0	14	33
	13	132KV S/S DAYALBAGH	132/33		1x63+1x40	0	0	0	
	14	132KV S/S BICHPURI	132/33		2x40	0	0	0	
	15	220KV S/S BAH	220/132 132/33		2x160 1x40+1x20	0	0	40	132
	16	132KV S/S ETMADPUR	132/33		2x63	0	15	12	33
	17	132KV S/S PINHAT	132/33		2x40	0	18	0	
	18	132 KV S/S GWALIOR ROAD	132/33		2X40	0	0	0	
	19	132KV S/S BAH,AGRA	132/33		1x63+1x40	0	0	0	
	20	400KV S/S AGRA SOUTH (GIS)	400/132		3x200	0	0	0	
	21	132KV S/S FATEHPUR, SIKRI GIS	132/33		2x40	0	0	0	
	22	132KV S/S KIRAWALI	132/33		2x40	0	0	0	
Firozabad	1	400KV S/S FIROZABAD (ppp.)	400/220 220/132		2x500 2x160	0	0	0	
	2	220KV S/S TUNDLA	220/132 132/33	2x160 2x40 - 2x63	2x160 2x40	0	0	45	132
	3	220KV S/S FIROZABAD	220/132 132/33		1x160+1x150+1x100 3x63	0	0	38	132
	4	220KV S/S SIRSGANJ	220/132 132/33		2x100 2x40	0	0	52	132
	5	132KV S/S JASRANA	132/33		2x40	0	0	0	
	6	132KV S/S NASEERPUR	132/33		2x40	0	0	33	132
	7	132 KV S/S NARKHI	132/33		2x40	0	0	0	
	8	132KV S/S SHIKOHABAD	132/33		1x63+1x40	0	0	0	
	9	132KV S/S TUNDLA	132/33		2x63	0	0	0	
	10	132KV S/S BARHAN	132/33		2X63	0	0	40	132
Mathura	1	400KV S/S MATH	400/220		2x315	0	0	0	
	2	220KV S/S VRINDAVAN(Energised)	220/132 132/33		2x160 2x40(160+1x40 MVA Energised)	0	0	40	132
	3	220KV S/S MATH	220/132 132/33		2x160 + 2x40	0	0	44	132
	4	220KV S/S GOKUL(MATHURA)	220/132 132/33		2x160 2x63	5	0	42	132
	5	220KV S/S CHHATA	220/132 132/33		3x160+2x40	0	0	0	
	6	132KV S/S KOSIKALAN(UPSIDC)	132/33		2x63	0	0	0	
	7	132KV S/S KOSIKALAN	132/33		2x63	0	0	35	132
	8	132KV S/S MATH	132/33		2x40	0	0	40	132
	9	132KV S/S MATHURA	132/33		2x63	0	0	0	
	10	132KV S/S MATHURA-2	132/33		2x63	0	0	0	
	11	132KV S/S SONKH ROAD	132/33		2x40	0	0	36	132
	12	132KV S/S VRINDAWAN	132/33		2x63	0	0	0	
Hathras	1	220KV S/S HATHRAS(MEETA)	220/132 132/33		2X200 2x40	0	0	50	132
	2	132KV S/S BAMAOLI	132/33		2x20+1X63	0	0	0	
	3	132KV S/S HATHRAS (ODHPURA)	132/33		1x63+2x40	0	0	0	
	4	132KV S/S SADABAD	132/33		3x63	0	0	32	132
	5	132KV S/S SASNI	132/33		2x40	0	0	40	132
	6	220 KV S/S SIKANDRARAO	220/132		2x160	0	0	50	132
	7	132 KV S/S SIKANDARA RAO	132/33		3x40	0	0	0	
	8	132 KV HASAYAN	132/33		2X20 + 1X40	0	0	14	33
	1	400kV Alignrh	400/220		2x500+1x315 2x160	0	0	0	
	2	220kV Boner	220/132		1x160+1x100	0	0	0	
	3	220kV Khaur	220/132 132/33		3x160 1x63+2x40	0	0	45	132
	4	220kV Atrauli	220/132 132/33		2x160 2x63	0	0	40	132

Sujat


DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)		
				765/400KV	400/220 KV & 220/132 KV & 132/33 LV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)	
Aligarh	5	132KV Akrahad	132/33		2x20	0	0	0		
	6	132KV Aligarh-I(Sarsoul)	132/33		2x63+1x40	0	0	32	132	
	7	132KV Aligarh-II(Boner)	132/33		1x63+2x40	0	0	0		
	8	132KV Aligarh-III	132/33		3x40	0	0	0		
	9	132KV Aligarh-V	132/33		3x40	0	0	34	132	
	10	132KV Iglas	132/33		1x63+1x40	0	0	35	132	
	11	132KV Jattari	132/33		2x63	0	0	0		
	12	132KV Gabana	132/33		2x40	0	0	40	132	
	13	132KV Gangari	132/33		2x40+1x20	0	0	42	132	
	14	132KV Anoopshahr Road	132/33		3x40	0	0	10	33	
	Kanpur dehat	1	220KV Rania	220/132 132/33		3x100 2x40	0	0	0	
		2	220KV Sikandra	220/132 132/33		2x160 2x20+1x40	0	0	0	
		3	132KV Jainpur	132/33		2x63+1x40	0	0	0	
		4	132KV Pukhravan	132/33		2x40	50	0	0	
5		132KV Rasoolabad	132/33		2x40	0	0	0		
Kanpur	1	400KV Panki	400/220		2x315	0	0	0		
	2	220KV Panki	220/132 220/33 132/33		3x160 1x60 3x40	0	0	0		
	3	220KV Bithoor	220/132 132/33		2x160 2x40	0	0	0		
	4	220KV Phoolbagh	220/33		2x60	0	0	0		
	5	220KV R.P.H.	220/33		3x60	0	0	0		
	6	220KV Kidwai Nagar	220/33		3x60(Only 1x60 MVA Energised)	0	0	0		
	7	132KV Jawaharpuram	132/33		2x40	0	0	15	33	
	8	132KV Armapur	132/33		2x20	0	0	12	33	
	9	132KV Bithur	132/33		2x40	0	0	0		
	10	132KV Ind Estate Dadanagar	132/33		2x63+1x40	0	0	0		
	11	132KV Azadnagar	132/33		2x63+1x40	0	0	0		
	12	220KV S/S KANPUR SOUTH	220/33		3x60	0	0	0		
	13	220KV S/S NAUBASTA(KANPUR)	220/132 132/33		2x160 3x63	0	0	0		
	14	220KV S/S SARH	220/132 132/33		2x160 2x40	0	0	0		
	15	132KV S/S GHATAMPUR	132/33		2x63	0	0	0		
	16	132KV S/S KANPUR(KRISHNA NAGAR)	132/33		1x63+3x40	0	0	0		
	17	132KV S/S MERBAN SINGH KA PURWA	132/33		2x40	0	0	0		
MAINPURI	1	765 KV MAINPURI	765/400	1x1000		0	0	0		
	2	220 KV MAINPURI	220/132 132/33		1X100 + 2X160 2X63	0	0	50	132	
	3	132 KV DANNAHAR	132/33		1X40 + 1X63	0	0	0		
	4	132 KV KURAWALI	132/33		2X40	0	0	0		
	5	132 KV KUSMARA	132/33		2X40	5	0	15	33	
	6	132 KV SULTANGANJ	132/33		2X20	0	0	0		
ETAH	1	220 KV ETAH	220/132 132/33		2X160 2X63+2X40	0	0	55	132	
	2	132 KV ALIGANJ	132/33		2X40	0	0	37	132	
	3	132 KV JALESAR	132/33		3X40	0	10	5	33	
	4	132 KV MIRAJCHI	132/33		2X40	0	0	15	33	
	5	132 KV NIDHAULI KALAN	132/33		2X40	0	10	5	33	
KASHGANJ	1	220 KV KASHGANJ	220/132 132/33		2X160 2X40	0	50	5	132	
	2	132 KV GANJUNDWARA	132/33		1X20+2X40	0	20	0	33	
	3	132 KV KASHGANJ	132/33		1X63+1X40	0	0	12	33	
TOTAL						60	133	1294		

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

a) The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.

b) The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.

c) After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility.

d) The availability of required feeder bays at substation, space available inside switchyard, issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

Sujit 

Transmission Zone: South-Central									
Status of margins available at Existing Substation for proposed RE integration									
Name of District	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (kV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity (MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV		APPLIED THROUGH OPEN ACCESS	AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Banda	1	400KV S/S BANDA	400/220		2x315	0	0	0	
	2	220KV S/S BANDA	220/132 132/33		2x200 3x40	20	0	0	
	3	132KV S/S AGASI P.C	132/33		1X20+2X40	0	55	0	
	4	132KV S/S ATARRA	132/33		1x40+1x20	0	0	0	
	5	132KV S/S BANDA	132/33		3x63	0	0	0	
	6	132KV S/S PAILANI	132/33		2x40	20	70	0	
Chitrakoot	1	220KV S/S PAHADI	220/132 132/33		2x100 2x40	0	85	30	132
	2	132KV S/S RAJAPUR	132/33		2x40	50	0	0	
	3	132KV S/S MAU	132/33		2x40	75	20	0	
	4	132KV S/S KARVI	132/33		1x63+1x40	0	0	45	132
Hamirpur	1	132KV S/S BHARUWA SUMERPUR	132/33		2x63	5	0	0	
	2	132KV S/S PATARA, HAMIRPUR	132/33		1X40+1x20	10	5	0	
	3	132KV S/S RATH	132/33		1x63+1x40	0	0	0	
	4	132KV S/S SARILA	132/33		2x40	10	0	0	
Mahoba	1	220KV S/S MAHOBHA	220/132		1x160+1x100	0	0	0	
	2	132KV S/S MAHOBHA	132/33		1x63+1x40	105		0	
	3	132KV S/S KABRAI	132/33		2x20	20	70	0	
	4	132KV S/S PANWARI	132/33		2x20	95	80	0	
Jalaun	1	400KV S/S ORAI	400/220 220/132		2x315 1x160	190	0	0	
	2	220KV S/S ORAI	220/132 132/33		2x160 2x40	0	0	0	
	3	132KV S/S JALAUN	132/33		2x40	0	0	0	
	4	132KV S/S KALPI	132/33		2x40+1x20	115	5	0	
	5	132KV S/S KONCH	132/33		2x40+1x20	32	0	0	
	6	132KV S/S ORAI	132/33		1x63+2x40	0	0	0	
	7	132 KV MADHAVGARH	132/33		2x40	10	30	0	
Jhansi	1	220KV S/S JHANSI, DUNARA	220/132 132/33		2x100 2x40	50	0	0	
	2	132KV S/S GURSARAI	132/33		2x40	20	82	0	
	3	132KV S/S JHANSI(HASARI)	132/33 132/66		2x63+1x40 2x20	0	0	0	
	4	MAURANIPUR	132/33		2x40	0	0	0	
	5	220/132KV S/S MOTH	132/33		1x160+2x40	20	10	0	
	6	220KV S/S BABINA	220/132 132/33		2x160 2x40(40 MVA energised)	0	70	0	
	7	132KV S/S ERAICH(UPEIDA DEFENCE COR.)	132/33		2x40(40 MVA energised)	0	50	0	
Lalitpur	1	220KV S/S LALITPUR	220/132 132/33		1x160+1x100 2x20	0	56	0	
	2	132KV S/S LALITPUR	132/33 132/66		2x40 1x20	30	20	50	132
	3	132KV S/S MEHRAUNI	132/33		1x40+1x63	40	0	0	
KANNAUJ	1	220kv Nibkarori	220/132 132/33		1x160+2x100 2x63	0	0	0	
	2	220kv Farrukhabad (Bhojpur)	220/132 132/33		2x160(Only 1x160 mva Energised) 2x40	0	0	45	132
	3	132kv Fatehgarh (Farrukhabad)	132/33		2x63	0	0	0	
	4	132kv Kayamganj	132/33		1x20+2x40	0	0	0	
	5	220 KV CHHIBRA MAU	220/132 132/33		2X160 2X63	0	0	50	132
	6	132 KV TAALGRAM	132/33		2X40	0	0	40	132
	7	132 KV KANNAUJ	132/33		2X63	0	0	18	33


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ETAWAH	1	220 KV BHARTHANA	220/132 132/33		2X160+1X100 2X40	0	0	45	132
	2	220 KV SAIFAI	220/132 132/33		2X160 2X63	0	0	50	132
	3	132 KV CHAKKAR NAGAR	132/33		2X40	0	30	0	
	4	132 KV JASWANT NAGAR	132/33		2X40	0	0	0	
	5	132 KV KUNERA , ETAHWA	132/33		2X63	0	0	42	132
	6	132 KV TAKHA	132/33		1X40+1X20	0	0	0	
AURAIYA	1	132 KV AURAIYA	132/33		2X40	0	10	0	
	2	132 KV DIBIYA PUR	132/33		3X40	0	10	15	33
	3	132 KV BIDHUNA	132/33		1X20+2X40	0	10	12	33
TOTAL						917	768	442	

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

- The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
- The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.
- After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility .
- The availability of required feeder bays at substation, space available inside switchyard, issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

Sujat 

Transmission Zone: South-Central(Bundelkhand Region Under GEC-II)

Status of margins available at Existing /Under construction/ Planned pooling Station for proposed RE integration

Name of District	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED		Cluster Capacity(MW)		
					RESERVED FOR UPNEDA APPLIED UNDER GEC II		APPLIED THROUGH OPEN ACCESS	AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
					AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)			
Chitrakoot	1	400KV S/S CHITRKOOT(BANDA)	400/220	0	800	400kV	0	0	
Banda	2	(INSTALLATION OF 220/132 KV DOWNSTREAM AT 400KV S/S BANDA) (GREEN COR.)	220/132	0	0	0	0	0	
	3	132KV S/S BABERU(GREEN COR.)	132/33	0	100	132kV	50	0	
Hamirpur	4	220KV S/S HAMIRPUR(GREEN COR.)	220/132	0	200	220kV	120	0	
	5	132KV S/S GOHAND(GREEN COR.)	132/33	0	50	132kV	0	0	
	6	132KV S/S MUSKARA(GREEN COR.)	132/33	0	100	132kV	20	0	
Mahoba	7	220KV S/S KABRAI(GREEN COR.)	220/132 132/33	0	100	220kV	70	0	
	8	220KV S/S CHARKHARI(GREEN COR.)	220/132	0	100	220kV	50	100	132 kV
	9	220KV S/S JAIPUR(GREEN COR.)	220/132 132/33	0	100	220kV	50	0	
Jalaun	10	400KV S/S MAHEBA (GREEN COR.)	400/220 220/132	0	600	400kV&220kV	470	0	
	11	220KV S/S DAKOR(GREEN COR.)	220/132 132/33	0	100	220kV	0	60	132 kV
	12	132KV S/S KADAURA(GREEN COR.)	132/33	0	50	132kV	0	0	
	13	132KV S/S KUTHOND(GREEN COR.)	132/33	0	50	132kV	0	0	
Jhansi	14	400KV S/S GAROHA(GREEN COR.)	400/220	0	600	400kV	70	130	220 kV
	15	220KV S/S BAMAUR(GREEN COR.)	220/132 132/33	0	100	220kV	0	0	
	16	220KV S/S BANGRA(GREEN COR.)	220/132 132/33	0	100	220kV	0	0	
Lalitpur	17	765KV S/S TALBEHAT(GREEN COR.)	765/400 400/220	0	600	400kV	250	250	220kV
	18	220KV S/S BIRDHA(GREEN COR.)	220/132 132/33	0	100	220kV	0	0	
	19	220KV S/S MANDWARA	220/132 132/33	0	100	220kV	0	0	
	20	132KV S/S MEHRAUNI(GREEN COR.)	132/33	0	50	132kV	0	0	
Farrukhabad	21	400KV S/S FARRUKHABAD(GREEN COR.)	400/220 220/132	0	0	0	0	200	150MW at 220 kV level & 50MW at 132kV level
		TOTAL		0	4000		1150	740	

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

- a) The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
- b) The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.
- c) After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility.
- d) The availability of required feeder bays at substation, space available inside switchyard, issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

Sujit

Transmission Zone: Central

Status of margins available at Existing Substation for proposed RE integration

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity (MW)	
				765/400KV	400/220 KV & 220/132 KV & 132/33 KV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
Ayodhya	1	220KV S/S SOHAWAL	220/132 132/33		2x160 1x40+2x63	0	0	42	132
	2	132KV S/S BIKAPUR	132/33		2x20+1x40	0	0	20	33
	3	132KV S/S RUDAULI	132/33		2x40	0	0	15	33
	4	132KV S/S FAIZABAD (DARSHAN NAGAR)	132/33		1x63+2x40	40	0	0	33
	5	132KV S/S MILKIPUR	132/33		3x40	0	20	18	33
	6	220KV S/S AYODHYA	220/132 132/33		2x160 2x63(only 1x160 + 1x63 energised)	0	0	55	132
Ambedkar Nagar	1	220KV S/S NEW TANDA	220/132 132/33		3x160 1x40+2x20	0	0	40	132
	2	132KV S/S AALAPUR	132/33		1x40+2x20	0	0	18	33
	3	132KV S/S AKBARPUR	132/33		2x63	0	0	15	33
	4	132KV S/S JALALPUR	132/33		2x40	0	0	18	33
	5	132KV S/S TANDA	132/33		2x63	0	0	15	33
Sultanpur	1	400KV S/S SULTANPUR	400/220		1x240+2X315	0	0	0	
	2	220KV S/S SULTANPUR	220/132 132/33		2x160+1x200 2x63+1x40	0	0	62	132
	3	132KV S/S GOSHAISING PUR	132/33		2x40	0	0	17	33
	4	132KV S/S LAMBHUA	132/33		2x40	0	0	0	
	5	132KV S/S KADIPUR	132/33		2x40	0	0	17	33
Amethi	1	220KV S/S AMETHI	220/132 132/33		2x160 2x40	0	0	60	132
	2	132KV S/S GAURIGANJ	132/33		2x63	0	0	40	132
	3	132KV S/S HAL KORWA	132/11		3x10	0	0	0	
	4	132KV S/S JAGDISHPUR	132/33		2x40	0	0	16	33
	5	132KV S/S MUSAFIRKHANA	132/33		2x40	20	0	0	
	6	132KV S/S TILOI	132/33		2x40	0	0	15	33
Raebareilly	1	220KV S/S BACHHRAWAN	220/132 132/33		2x160 2x40	10	0	45	220
	2	132KV S/S BACHHRAWAN	132/33		2x40	0	0	33	132
	3	132KV S/S DALMAU	132/33		2x40	10	0	0	
	4	132KV S/S RAJBARELI(AMAWAN)	132/33		2x63+1x40	0	0	0	
	5	132KV S/S RAJBARELI(TRIPULA)	132/33		2x63	0	0	0	
	6	132KV S/S SARENI	132/33		2x40	0	0	15	33
	7	132KV S/S SALON	132/33		2x40	0	20	10	33
Budaun	1	220KV S/S BADAUN	220/132		2x200	0	0	0	
	2	132KV S/S BILSI	132/33		1x40+1x20	50	0	0	
	3	132KV S/S BISAULI	132/33		2x63	0	0	35	132
	4	132KV S/S UJHANI	132/33		2x40	0	0	15	33
	5	132KV S/S SAHASWAN	132/33		2x20+1x40	62	0	0	33
	6	132KV S/S USAWAN	132/33		2x40	40	20	0	
	7	132 KV S/S BADAUN	132/33		2x63 1x40	0	0	0	
	8	400KV S/S BADAUN (App.)	400/220 220/132		2x315 2x160	0	50	0	132
	9	220 KV DATAGANJ	220/132		2x160	40	60	50	132
Bareilly	1	400KV S/S BAREILLY	400/220		3x315	0	0		
	2	220KV S/S C.B.GANJ	220/132 132/33		2x200 2x63	0	0	70	132
	3	132KV S/S AONLA	132/33		2x63	0	0	30	33
	4	132KV S/S BAREILLY - II	132/33		2x40 + 1x63	0	0	0	
	5	132KV S/S BAREILLY(TOWN)	132/33		2x63+1x40	0	0	18	33
	6	132KV S/S FARIDPUR	132/33		2x40	0	0	10	33
	7	132KV S/S RICHA	132/33		2x40 + 1x63	0	0	18	33
	8	220KV S/S FARIDPUR	220/132 132/33		2x100 2X40(ONLY 1X100+1X40 ENERGISED)	0	0	55	132

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DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity (MW)	
				765/400KV	400/220 KV & 220/132 kv & 132/33 kv			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
	9	132KV S/S MEERGANJ	132/33		2x40	0	0	0	
	10	220KV S/S BAREILLY(DOHNA)	220/132 132/33		2x160 2x40	0	0	45	132
	11	132KV S/S BAREILLY(DOHNA)	132/33		1x63+2x40	0	0	0	
	12	132KV S/S NAWABGANJ	132/33		2x40	20	0	0	
Pilibhit	1	220KV S/S PILIBHIT	220/132 132/33		2x160 2x20	0	0	60	132
	2	132 KV S/S PILIBHIT	132/33		2x63	0	0	0	
	3	132KV S/S BISALPUR	132/33		2x20+1x63	0	20	15	33
	4	132KV S/S POORANPUR	132/33		2x40	0	0	17	33
	5	220KV S/S AMARIYA	220/132 132/33		2x100 2x40	0	0	40	132
Behraich	1	220KV S/S BEHRAICH	220/132 132/33		1x100+2x160 2x40	10	0	18	33
	2	132KV S/S BEGAMPUR	132/33		2x40	10	0	0	
	3	132 KV S/S PYAGPUR	132/33		2x40	20	0	10	33
	4	132KV S/S BEHRAICH	132/33		1x63+2x40	0	0	16	33
	5	132KV S/S NANPARA	132/33		3x40	0	0	12	33
	6	132KV S/S KAISERGANJ	132/33		2x40	0	0	0	
Shravasti	1	132KV S/S BHINGA	132/33		2x40	0	0	0	
Balrampur	1	132KV S/S BALRAMPUR	132/33		1x63+1x40	0	0	18	33
	2	132KV S/S TULSIPUR	132/33		2x40	0	0	10	33
	3	132KV S/S UTRALA	132/33		2x40	0	0	0	
	4	220KV S/S BALRAMPUR	220/132 132/33		2x160 2x40	0	0	35	132
Gonda	1	220KV S/S GONDA	220/132 132/33		2x200 3x40	0	0	44	132
	2	220KV S/S GONDA(PPP)	220/132		2x100	0	0	0	
	3	132KV S/S COLONELGANJ	132/33		2x40	0	0	15	33
	4	132KV S/S MANKAPUR	132/33		3x40	0	0	17	33
	5	132KV S/S NABABGANJ	132/33		2x40	0	0	12	33
	6	132KV S/S GHARIGHAT	132/33		2x40(only 1x40 energised)	0	0	34	132
	7	132KV S/S ITIATHOK	132/33		2x40	0	0	14	33
Lucknow	1	220KV S/S LUCKNOW (SAROJINI NAGAR)	220/132 132/33		3x200 2x100	0	0	0	
	2	400KV S/S LUCKNOW (SAROJINI NAGAR)	400/220		2x500	0	0	0	
	3	220KV S/S LUCKNOW (HARDOI ROAD)	220/132 132/33		2x200 2x63	0	0	0	
	4	220KV S/S KANPUR ROAD (GIS)	220/33		3x60	0	0	17	33
	5	132KV S/S LUCKNOW (MARTINPURWA)	132/33		3x63	0	0	15	33
	6	132KV S/S LUCKNOW (MOHAAN ROAD)	132/33		3x40	0	0	18	33
	7	132KV S/S LUCKNOW (NEEBU PARK) mehtab	132/33		3x63	0	0	0	
	8	132KV S/S LUCKNOW (RAHIMABAD)	132/33		2x40	0	0	10	33
	9	132KV S/S HANUMAN SETU	132/33		2x63	0	0	10	33
	10	132KV S/S LUCKNOW (SGPGI)	132/33 132/11		3x63 2x20	0	0	0	
	11	132KV S/S LUCKNOW (TRT)	132/33		3x63	0	0	0	
	12	400KV S/S JEHTA (HARDOI ROAD)	400/220 220/132		2x500 2x200	0	0	0	
	14	220KV S/S BIJNORE	220/132 132/33		2x160 2x40	0	0	0	
	15	132KV S/S JEHTA	132/33		2x40(only 1x40 energised)	0	0	0	
	16	220KV S/S LUCKNOW(BKT)	220/33		2x60	0	0	15	33
	17	220KV S/S LUCKNOW(CHINHAT)	220/132 132/33		2x200 2x63	0	0	10	33
	18	132kv S/s Awas Vikas	132/33			0	0	15	33
	19	220KV S/S LUCKNOW(GOMTI NAGAR)	220/33		4x60	0	0	18	33
	20	220KV S/S LUCKNOW(KURSI ROAD)	220/132 132/33		1x200+1x160+1x100 2x63	0	0	42	132

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DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity (MW)	
				765/400KV	400/220 KV & 220/132 kV & 132/33 kV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
	21	220KV S/S LUCKNOW(CG CITY)	220/33		3X60	0	0	18	33
	22	132KV S/S LUCKNOW(INDIRA NAGAR)	132/33		2x40+1x63	0	0	12	33
	23	132KV S/S LUCKNOW(KHURRAM NAGAR)	132/33		1x63+2x40	0	0	35	132
	24	132KV S/S LUCKNOW(NKN)	132/33		1x63+2x40	0	0	0	
	25	132KV S/S LUCKNOW(SAHARA CITY)	132/33		2x40	0	0	10	33
	26	132 kV S/S GOMTI NAGAR	132/33		1x63+2x40	0	0	15	33
	27	220KV S/S SATRIKH ROAD	220/33		2x60	0	0	16	33
	28	132KV S/S LUCKNOW(MOHANLAL GANJ)	132/33		2x40(only 1x40 energised)	0	0	15	33
Barabanki	1	220KV S/S BARABANKI	220/132		2x160	0	0	0	
	2	132KV S/S BARABANKI	132/33		2x63	0	0	38	132
	3	132KV S/S HAIDERGARH	132/33		1x40+1x20	0	0	10	33
	4	132KV S/S NINDURA	132/33		2x20	0	0	14	33
	5	132KV S/S RAM SANEHI GHAT	132/33		3x40	0	0	10	33
Unnao	1	UNNAO	765/400		3x1000	0	0	0	
	2	400KV S/S UNNAO	400/220		3x315	0	0	0	
			220/132		3x160				
	3	220kv S/S DAHI CHOUKI	220/33		3x60	0	0	17	33
	4	132KV S/S BANGERMAU	132/33		1x40+2x20	15	0	0	
	5	132KV S/S BIGHAPUR	132/33		1x40+1x63	10	0	0	33
	6	132KV S/S CHAKALWANSHI	132/33		2x40	0	0	0	
	7	132KV S/S HASANGANJ	132/33		2x40	0	0	0	
	8	132KV S/S MAURAWAN	132/33		2x40+1x63	18	0	0	33
	9	132KV S/S UNNAO(KUNDAN ROAD)	132/33		2x63	0	0	15	33
10	132KV S/S UNNAO(SONIK)	132/33		3x40	0	0	0		
Sitapur	1	220KV S/S SITAPUR	220/132		1x200+1x100+1x160	0	0	36	132
			132/33		1x63+2x40				
	1	220KV S/S KANDUNI	220/132		1x200+1x100+1x160	0	15	85	132
			132/33		1x63+2x40				
	2	132KV S/S MISHRIKH	132/33		2x40	20	60	0	
	3	132KV S/S BISWAN	132/33		2x20	5	0	10	33
	4	132KV S/S LAHARPUR	132/33		1x20+1x40	10	0	12	33
5	132KV S/S MAHAMUDABAD	132/33		1x20+1x40	0	0	16	33	
6	132KV S/S NERI	132/33		2x40+1x20	0	0	13	33	
7	132KV S/S SIDHAULI	132/33		2x40+1x20	0	0	10	33	
Hardoi	1	220KV S/S HARDOI	220/132		2x160	0	0	45	132
			132/33		2x63				
	2	132KV S/S BAGHAULI	132/33		2x20	0	0	10	33
	3	132KV S/S SAHABAD	132/33		2x40	0	0	10	33
	4	132KV S/S ASHA	132/33		1x20+1x40	10	0	20	33
	5	132KV S/S SANDILA	132/33		2x40	0	0	15	33
	6	132KV S/S SHRIMAU	132/33		2x20	30	0	20	
	7	132KV S/S BHARAWAN(SANDILA)	132/33		2x40	0	0	18	33
8	220KV S/S MALLAWAN	220/132		2x160	85	0	0		
		132/33		2x40(only 1x160 + 1x40 MVA energised)					
Lakhimpur	1	220KV S/S NIGHASAN	220/132		2x100	0	0	0	
			132/33		1x40+1x20				
	2	132KV S/S DHAURHARA	132/33		1x20+1x40	0	0	10	33
	3	132KV S/S GOLA	132/33		1x63+1x40	0	0	0	
	4	132KV S/S LAKHIMPUR(KHERI)	132/33		2x63	0	0	10	33
	5	132KV S/S MOHAMMADI	132/33		1x40+1x63	0	0	40	132
	6	132KV S/S PALLIA	132/33		2x40	0	0	18	33
	7	220KV S/S GOLA	220/132		2x160	0	0	0	
		132/33		2x40					
8	132KV S/S OEL	132/33		2x40	0	0	18	33	

Subject 

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO (KV)	EXISTING CAPACITY (MVA)		EXISTING / COMMISSIONED SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity (MW)	
				765/400KV	400/220 KV & 220/132 KV & 132/33 KV			AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (KV)
Shahjahanpur	1	220KV S/S SHAHJAHANPUR	220/132 132/33		1x200+2x160 1x63+2x40	10	0	45	132
	2	132KV S/S POWAYAN	132/33		3x40	0	0	0	
	3	132KV S/S BANDAA	132/33		2x20+1x40	50	0	0	
	4	132KV S/S SHAHJAHANPUR	132/33		2x40+1x20	0	0	0	
	5	132KV S/S TILHAR	132/33		2x40	10	0	15	33
	6	132KV S/S JALALABAD	132/33		2x40	50	0	0	
	7	220KV S/S AZIZPUR	220/132 132/33		2x160 2x40	0	0	70	132
TOTAL						655	265	2260	

Note:

The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:

- The available margin mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
- The cluster margin capacity at substations is given as on date which may change any time in future due to changes in grid structure and change in power flow dynamics at that time.
- After application by developer for grid connectivity, Grid connectivity feasibility will be confirmed after detailed load Flow Study & technical feasibility .
- The availability of required feeder bays at substation, space available inside switchyard. issues of line corridor, ROW, building control line etc. needs to be checked separately at the time of joint survey for technical feasibility.

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