UP SOLAR POWER SUMMARY (ZONE WISE)

As on 30.10.2023

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

Sl no.	Transmission Zone	Existing Solar (MW)	Applied Solar But Not Commissioned(MW)	Available Margin (MW)
1	TSE	310	231	834
2	TNE	40	230	1139
3	TW	84.69	30	2382
4	TSW	60	45	1294
5	TSC+GEC-II*	1102	2174+4000*	357+950*
6	TC	385	560	2180
TOTAL		**1981.69**	**7270**	**9136**

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

पताका–2

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 SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL kV
PRAYAGRAJ	1	220KV S/S JHUSI	220/132 132/33	0	0	40	132
	2	220KV S/S PHULPUR	220/132 132/33	0	0	50	132
	3	132KV S/S GYANPUR	132/11	0	0	0	
	4	132KV S/S HANDIA	132/33	0	0	15	33
	5	132KV S/S KAURIHAR	132/33	0	0	0	
	6	132KV S/S SAIDABAD	132/33	0	0	12	33
	7	132KV S/S SORAON	132/33	0	0	0	
	8	400KV S/S REWA ROAD (PPP)	400/220	0	0	0	
	9	400KV S/S MASAULI	400/132 132/33	0	40	0	
	10	220KV S/S CANTT. PRAYAGRAJ	220/132 132/33	0	0	15	33
	11	220KV S/S REWA ROAD, PRAYAGRAJ	220/132 132/33 132/25	0	0	0	
	12	132KV S/S MINTO PK. PRAYAGRAJ	132/33	0	0	0	
	13	132KV S/S OLD POWER HOUSE,ALLHBAD	132/33	0	0	0	
	14	132KV S/S SALAYA KHURD	132/33	0	10	0	
	15	132KV S/S TELIARGANJ	132/33	0	0	0	
	16	132KV S/S KARELI	132/33	0	0	0	
	17	132KV S/S NAINI, PRAYAGRAJ	132/33 132/11	5	10	0	
	18	132KV S/S KARCHANA	132/33	0	0	14	33
	19	132KV S/S KORAON	132/33	40	0	0	
	20	132KV S/S MEJA ROAD	132/33	50	0	0	
	21	132KV S/S SHANKERGARH	132/33	40	20	0	
	22	132KV S/S JARI	132/33	50	0	0	
	23	132KV S/S YAMUNA PUMP CANAL	132/33	0	0	0	
FATEHPUR	1	220KV S/S FATEHPUR	220/132 132/33	0	0	45	132
	2	132KV S/S HUSAINGANJ	132/33	0	0	0	
	3	132KV S/S BINDAKI	132/33	0	0	15	33
	4	132KV S/S JAHANABAD	132/33	0	0	0	
	5	132KV S/S KHAGA	132/33	0	31	40	132
	6	132KV S/S MALWAN	132/33 132/25	0	10	10	33
	7	220KV S/S MALWAN	220/132 132/33	0	0	0	
PRATAPGARH	1	220KV S/S PRATAPGARH	220/132 132/33	0	0	0	
	2	132KV S/S GARWARA	132/33	0	30	0	
	3	132KV S/S KUNDA	132/33	0	0	15	33
	4	132KV S/S LALGANJ(PRATAPGARH)	132/33	0	0	18	33
	5	132KV S/S RANIGANJ	132/33	0	0	16	33
	6	132KV S/S PATTI	132/33	0	0	12	33
	7	132KV S/S MANDHATA	132/33	0	0	0	
	8	220KV SANGIPUR	220/132	0	0	40	132
KAUSHAMBI	1	220KV S/S SIRATHU	220/132	0	0	0	
	2	132KV S/S BHARWARI	132/33	0	0	0	
	3	132KV S/S MANAURI	132/33	0	0	18	33
	4	132KV S/S MANJHANPUR	132/33	0	0	15	33
	5	132KV S/S SARAI AKIL	132/33	0	0	10	33
	6	132KV S/S SIRATHU	132/33 132/25	0	0	0	
VARANASI	1	400KV S/S VARANASI(SARNATH)	400/220 220/132	0	0	0	
	2	220KV S/S BHELUPUR	220/33	0	0	0	
	3	220KV S/S RAJA KA TALAB	220/132 132/33	0	0	0	
	4	220KV S/S GAZOKHAR	220/132 132/33	0	0	0	
	5	220KV S/S HARAHUA	220/33	0	0	0	
	6	132KV S/S CHOLAPUR	132/33	0	0	0	
	7	132KV S/S B.H.U.,VARANASI	132/33	0	0	16	33
	8	132KV S/S DLW,VARANASI	132/33	0	0	40	132
	9	132KV S/S KAITHI	132/33	0	0	12	33
	10	132KV S/S KURSATO	132/33	0	0	18	33
	11	132KV S/S RAJA KA TALAB	132/33	0	0	15	33
	12	132KV S/S VARANASI CANTT.	132/33	0	0	18	33

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL kV
	13	132KV S/S VARANASI(SARNATH)	132/33	0	0	0	
	14	132KV S/S MANDUADIH	132/33 132/11	0	0	0	
	15	132KV ALAIPUR	132/33	0	0	30	132
CHANDAULI	1	220KV S/S SAHUPURI	220/132 132/33	0	0	0	
	2	132KV S/S CHAKIA	132/33	0	0	0	
	3	132KV S/S CHANDAULI	132/33	0	0	18	33
	4	132KV S/S DHANAPUR	132/33	0	0	15	33
	5	132KV S/S MUGALSARAI	132/33	0	0	0	
MIRZAPUR	1	220KV S/S MIRZAPUR	220/132 132/33	0	0	0	
	2	132KV S/S GURUDEV NAGAR	132/33	50	30	0	
	3	132KV S/S JIGNA	132/33 132/25	75	0	0	
	4	132KV S/S LALGANJ,MIRZAPUR	132/33	0	0	0	
	5	132KV S/S MIRZAPUR	132/33	0	0	0	
	6	132KV S/S CHHANBEY	132/33	0	0	0	
	7	132KV S/S AHRAURA	132/33	0	0	15	33
	8	132KV S/S CHUNAR	132/33 132/25	0	0	0	
	9	132KV S/S KAZARAHAT	132/33	0	0	0	
	10	132KV S/S NARAINPUR	132/11	0	0	0	
	11	132KV S/S KACHHWAN, MIRZAPUR	132/33	0	0	16	33
BHADOHI	1	132KV S/S AURAI	132/33	0	0	0	
	2	132KV S/S BHADOHI	132/33	0	0	18	33
	3	132KV S/S CHAURI	132/33	0	0	0	
	4	132KV S/S GOPIGANJ	132/33	0	0	15	33
SONEBHADRA	1	220KV S/S ROBERTSGANJ	220/132	0	0	0	
	2	132KV S/S BINA	132/33	0	0	0	
	3	132KV S/S DALA	132/33	0	0	0	
	4	132KV S/S ROBERTSGANJ	132/33	0	0	0	
	5	132KV S/S PASAHI	132/33	0	50	0	
GHAZIPUR	1	220KV S/S BHADAURA	220/132 132/33	0	0	18	33
	2	220KV S/S GHAZIPUR	220/132	0	0	0	
	3	132KV S/S GHAZIPUR	132/33	0	0	0	
	4	132KV S/S KASIMABAD	132/33	0	0	0	
	5	132KV S/S KUNDESAR	132/33	0	0	10	33
	6	132KV S/S SADAT	132/33	0	0	0	
	7	132KV S/S SAIDPUR	132/33 132/11	0	0	14	33
	8	132KV S/S ZAMANIA	132/33	0	0	40	132
JAUNPUR	1	220KV S/S JAUNPUR	220/132 132/33	0	0	0	
	2	132KV S/S JAUNPUR	132/33	0	0	15	33
	3	132KV S/S MACHHALISHAHR	132/33	0	0	18	33
	4	132KV S/S MARIYAHUN	132/33	0	0	0	
	5	132KV S/S MUGRABADSHAHPUR	132/33	0	0	10	33
	6	132KV S/S SHAHGANJ	132/33	0	0	35	132
	7	132KV S/S SIDDIQUEPUR	132/33	0	0	0	
	8	132KV S/S BADLAPUR	132/33	0	0	18	33
	9	132KV S/S KERAKAT	132/33	0	0	10	33
	10	400KV S/S JAUNPUR	400/220 220/132	0	0	0	
TOTAL				310	231	834	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E
Sujit

पताका–3

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 SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (in kV)
AZAMGARH	1	400KV S/S AZAMGARH	400/220	0	0	0	
	2	220KV S/S AZAMGARH	220/132 132/33	0	0	60	132
	3	220KV S/S AZAMGARH-II	220/132 132/33	0	0	40	132
	4	132KV S/S ATRAULIA	132/33	0	0	0	
	5	132KV S/S SIDHARI AZAMGARH	132/33	0	0	14	33
	6	132KV S/S KOILSA	132/33	0	0	0	
	7	132KV S/S LALGANJ(AZAMGARH)	132/33	0	80	0	
	8	132KV S/S MEHNAGAR	132/33	0	0	12	33
	9	132KV S/S MUBARAKPUR	132/33	0	0	15	33
	10	132KV S/S PHOOLPUR	132/33	0	0	12	33
	11	132KV S/S BINDAWAL JAIRAJPUR	132/33	0	0	16	33
	12	132KV S/S RANI KI SARAI	132/33	0	0	0	
BALLIA	1	400KV S/S RASRA	400/220 220/132	0	70	35	132
	2	220KV S/S RASRA	220/132 132/33	0	0	40	132
	3	132KV S/S BALLIA	132/33	0	0	15	33
	4	132KV S/S CHITBRAGAON	132/33	0	0	12	33
	5	132KV S/S DIGHAR	132/33	0	0	14	33
	6	132KV S/S BANSDIH	132/33	0	0	16	33
	7	132KV S/S SIKANDERPUR	132/33	0	0	45	132
MAU	1	400KV S/S MAU(KASARA)	400/132 132/33	0	0	0	
	2	132KV S/S BADAGAON	132/33	0	0	0	
	3	132KV S/S DOHRIGHAT	132/33	0	0	13	33
	4	132KV S/S HALDHARPUR	132/33	0	70	0	
	5	132KV S/S KATGHARA MEHLOO	132/33	0	0	10	33
	6	132KV S/S MAU(NEW)	132/33	0	0	0	
	7	132KV S/S MAU(OLD)	132/33	0	0	0	
	8	132KV S/S MOHAMMDABAD	132/33	0	10	5	33
	9	132KV S/S SEMARI JAMALPUR	132/33	0	0	15	33
	10	132KV GHOSI	132/33	0	0	20	33
BASTI	1	220KV S/S BASTI	220/132 132/33	0	0	50	132
	2	132KV S/S KALWARI	132/33	0	0	0	
	3	132KV S/S HARRAIYA	132/33	0	0	0	
	4	400KV S/S BHAUKHARI	400/220 220/132	0	0	55	132
SANT KABIR NAGAR	1	132KV S/S KHALILABAD	132/33	0	0	40	132
	2	132KV S/S MEHDAWAL	132/33	0	0	18	33
	3	132KV S/S NATHNAGAR	132/33	0	0	18	33
	4	220KV S/S DULHIPAR	220/132 132/33	0	0	60	132
SIDDHARTHNAGAR	1	220KV S/S BANSI	220/132 132/33	0	0	55	132
	2	132KV S/S DUMARIAGANJ	132/33	0	0	18	33
	3	132KV S/S ITWA	132/33	0	0	18	33
	4	132KV S/S NAUGARH	132/33	0	0	18	33
GORAKHPUR	1	400KV S/S GORAKHPUR(MOTIRAM ADDA)	400/220	0	0	40	220
	2	220KV S/S GORAKHPUR II (MOTI RAM ADDA)	220/132 132/33	0	0	0	
	3	132KV S/S GORAKHPUR(FCI)	132/33	0	0	0	
	4	132KV S/S GORAKHPUR(MOHHADDIPUR)	132/33	0	0	15	33
	5	132KV S/S GORAKHPUR(MOHHADDIPUR-II)	132/33	0	0	15	33
	6	132KV S/S SHATRUGHANPUR	132/33	0	0	10	33
	7	132KV S/S BHATHAT	132/33	0	0	0	
	8	132KV S/S FCI-II	132/33	0	0	0	
	10	132KV S/S CAMPIERGANJ	132/33	0	0	0	
	11	220KV S/S GOLA	220/132 132/33	0	0	45	132

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (in kV)
	12	220KV S/S GORAKHPUR-I(BARAHUWA)	220/132 132/33	0	0	0	
	13	132KV S/S BARHALGANJ	132/33	0	0	15	33
	14	132KV S/S GIDA	132/33	0	0	16	33
	15	132KV S/S KAURIRAM	132/33	0	0	12	33
KUSHINAGAR	1	220KV S/S HATA	220/132 132/33	0	0	40	132
	2	132KV S/S KASIA	132/33	0	0	0	
	3	132KV S/S LAXMIPUR	132/33	0	0	18	33
	4	132KV S/S RAJA PAKAD	132/33	0	0	18	33
MAHARAJGANJ	1	132KV S/S ANANDNAGAR	132/33	0	0	15	33
	2	132KV S/S MAHARAJGANJ	132/33	0	0	17	33
	3	132KV S/S NAUTANWA	132/33	0	0	0	
DEORIA	1	220KV S/S DEORIA	220/132	0	0	55	132
	2	132KV S/S DEORIA	132/33	40	0	0	
	3	132KV S/S RUDRAPUR	132/33	0	0	18	33
	4	132KV S/S PURNCHAAPAR	132/33	0	0	16	33
	5	132KV S/S SALEMPUR	132/33	0	0	15	33
TOTAL				40	230	1139	

Note:
The availability of Power evacuation capacity and issuance of grid connectivity will be governed by following condition:
a) The capacity mentioned for substations is indicative only and does not guarantee the grid connectivity feasibility at that substation.
b) Grid connectivity feasibility will be confirmed after application by developer for grid connectivity and after technical feasibility & detailed load Flow Study.
c) 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.
d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

पताका–4

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 SOLAR(MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
Meerut	1	220KV S/S PARTAPUR(JAGRITI VIHAR)	220/132 132/33	0	0	35	132
	2	220KV S/S MEERUT(MODIPURAM)	220/132 132/33	0	0	0	
	3	220KV S/S SHATABDI NAGAR	220/132 132/33	0	0	0	
	4	132KV S/S HAPUR BY PASS ROAD	132/33	0	0	0	
	5	132KV S/S HAPUR ROAD MEERUT (LOHIA	132/33	0	0	0	
	6	132KV S/S KANKER KHERA	132/33	0	0	32	132
	7	132KV S/S MEERUT(MEDICAL COLLEGE)	132/33	0	0	0	
	8	132KV S/S MEERUT(PARTAPUR)	132/33	0	0	0	
	9	132KV S/S KANKER KHERA-II	132/33	0	0	33	132
	10	132KV S/S MUNDALI	132/33	0	0	12	33
	11	132KV S/S NAGLIKHITHOR	132/33	0	0	15	33
	12	132KV S/S GANGANAGAR	132/33	0	0	14	33
	13	220KV S/S MODIPURAM-II	220/132	0	0	35	132
	14	220KV S/S CHARLA(SARDHANA)	220/132 132/33	0	0	0	
	15	132KV S/S SALAVA	132/33	10	0	36	132
	16	132 KV S/S MAWANA ROAD Hastinapur	132/33	0	0	18	33
	17	132KV S/S RAMRAJ	132/33	0	0	0	
	18	132KV S/S MAWANA	132/33	0	0	0	
	19	132KV S/S SARDHANA	132/33	0	0	0	
Baghpat	1	220KV S/S BAGHPAT	220/132	0	0	40	132
	2	220KV S/S BARAUT	220/132 132/33	0	0	0	
	3	132KV S/S BAGHPAT	132/33	0	0	0	
	4	132KV S/S CHHAPRAULI	132/33	0	0	15	33
	5	132KV S/S KHEKRA	132/33	0	0	13	33
	6	132KV S/S KIRTHAL	132/33	0	0	10	33
	7	132KV S/S NIRPURA	132/33	0	0	40	132
	8	132KV S/S HARSIYA	132/33	0	0	12	33
	9	132KV S/S SINGHAOLI	132/33	0	0	18	33
	10	220KV S/S NIRPURA	220/132 220/33	0	0	0	
	11	132KV S/S BILOCHPURA	132/33	0	0	0	
Bulandshahar	1	400KV S/S SIKANDRABAD (PPP)	400/220	0	0	0	
	2	220KV S/S RUKHI	220/132 132/33	0	0	0	
	3	220KV S/S SIKANDRABAD	220/132 220/33 132/33	0	0	0	
	4	132KV S/S BB NAGAR	132/33	0	0	0	
	5	132KV S/S BULANDSHAHR(BHOOR)	132/33 132/11	0	0	10	33
	6	132KV S/S BHOOR-II	132/33	0	0	17	33
	7	132KV S/S GULAOTI	132/33	0	0	0	
	8	132KV S/S LAKHAOTI	132/33	0	0	16	33
	9	132KV S/S SIYANA	132/33	0	0	35	132
	10	220KV S/S KHURJA	220/132 132/33	0	0	50	132
	11	220KV S/S DEBAI	220/132 132/33	0	0	35	132
	12	220KV S/S JAHANGIRABAD	220/132 132/33	0	0	40	132
	13	132KV S/S ANOOPSHAHAR	132/33	0	0	14	33
	14	132KV S/S JAHANGIRABAD	132/33 132/11	0	0	12	33
	15	132KV S/S JAHANGIRPUR	132/33	0	0	45	132
	16	132KV S/S KHURJA-II	132/33	0	0	38	132
	17	132KV S/S DHARMAPUR	132/33	0	0	38	132
	18	132KV S/S SHIKARPUR	132/33	0	0	10	33

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR(MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
Hapur	1	765KV S/S HAPUR (PPP)	765/400 400/220	0	0	0	
	2	220KV S/S SIMBHAOLI	220/132 132/33	0	0	45	132
	3	220 KV HAPUR HYBRID	220/132 220/33	0	0	0	
	4	132KV S/S GARHMUKTESHWAR	132/33	0	10	15	33
	5	132KV S/S HAPUR	132/33	0	0	13	33
	6	132KV S/S HAPUR II(BABUGARH)	132/33	0	0	0	
	7	132KV S/S PILKHUWA	132/33	0	0	35	132
Gautam Buddha Nagar	1	400KV S/S GREATER NOIDA	400/220 220/132 132/33	0	0	0	
	2	220KV S/S INTEGRATED TOWNSHIP	220/33	0	0	o	
	3	765KV S/S GREATER NOIDA (PPP)	765/400 400/220	0	0	0	
	4	400KV S/S Sector-123 Noida	400/132 132/33	0	0	0	
	5	400KV S/S SECTOR -148 NOIDA	400/220 220/132 220/33 132/33	0	0	0	
	6	220KV S/S NOIDA,SECTOR-129	220/132 132/33	0	0	0	
	7	220KV S/S NOIDA,SECTOR-20	220/132 132/33	0	0	0	
	8	220KV S/S BOTANICAL GARDEN, SECTOR- 38 A, NOIDA	220/33	0	0	o	
	9	132KV S/S NOIDA SECTOR-115	132/33	0	0	0	
	10	132KV S/S SURAJPUR	132/33	0	0	0	
	11	132KV S/S NOIDA-II(BHANGEL)	132/33	0	0	0	
	12	132KV S/S NOIDA-IV(SECTOR-45)	132/33	0	0	14	33
	3	220KV S/S DADRI	220/132 132/33	0	0	o	
	14	220KV S/S NOIDA,SECTOR-62	220/132 220/33 132/33	0	0	0	
	15	220KV S/S RC GREEN	220/132 220/33 132/33	0	0	18	33
	16	132 KV S/S DANKAUR	132/33	0	0	10	33
	17	132KV S/S NOIDA-III(SECTOR-62)	132/33	0	0	0	
	18	132KV S/S NOIDA-V(SECTOR-66)	132/33	0	0	0	
	19	132KV S/S SECTOR- 63	132/33	0	0	40	132
	20	132KV S/S SECTOR- 67	132/33	0	0	38	132
Ghaziabad	1	400KV S/S ATAUR(GIS) (PPP)	400/220, 220/33	0	0	0	
	2	400KV S/S DASNA (PPP)	400/220	0	0	0	
	3	400KV S/S INDIRAPURAM (GIS) (PPP)	400/220 220/33	0	0	0	
	4	220 KV S/S MANDOLA VIHAR	220/33	0	0	0	
	5	220KV S/S LONI	220/132 132/33	0	0	50	132
	6	220KV S/S MORTI	220/132 220/33	0	0	0	
	7	220KV S/S SAHIBABAD	220/132 132/33 132/11	0	0	0	
	8	132KV S/S KANHA UPWAN	132/33	0	0	32	132
	9	132KV S/S MOHANNAGAR	132/33	0	0	0	
	10	132KV S/S TILA MORE	132/33	0	0	0	
	11	132KV S/S VAISHALI	132/33	0	0	0	
	12	220KV S/S PRATAPVIHAR	220/132 220/33	0	0	0	
	13	220KV S/S MADHUBAN BAPUDHAM, GIS	220/132 220/33	0	0	45	132
	14	132KV S/S DPH,GHAZIABAD	132/33	0	0	0	
	15	132KV S/S GHAZIABAD(BSR ROAD) Lal kuan	132/33 132/11	0	0	0	
	16	132KV S/S GHAZIABAD(IA)	132/33	0	0	0	
	17	132KV S/S GHAZIABAD(M.ROAD),MORTA	132/33	0	0	33	132
	18	132KV S/S GOVINDPURAM	132/33	0	0	0	
	19	132KV S/S UPSIDC, MASSURI	132/33	0	0	0	
	20	132KV S/S DASNA	132/33	0	0	0	

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR(MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
	21	220KV S/S FARIDNAGAR	220/132 132/33	0	0	50	132
	22	220KV S/S MURADNAGAR	220/132 132/33	0	0	0	
	23	132KV S/S MODINAGAR(MODI STEEL)	132/33	0	0	12	33
	24	132KV S/S MODINAGAR(NIWARI ROAD)	132/33	0	0	16	33
	25	400KV S/S MURADNAGAR-I	400/220	0	0	0	
	26	400KV S/S MURADNAGAR-II	400/220 220/132	0	0	0	
	27	220KV MORTA	220/33	0	0	70	220
Moradabad	1	400KV S/S MORADABAD	400/220	0	0	0	
	2	132KV S/S AWAS VIKAS,MORADABAD	132/33	0	0	34	132
	3	132KV S/S BILARI	132/33	0	0	35	132
	4	132KV S/S KUNDARKI	132/33	0	0	0	
	5	132KV S/S MORADABAD-II(KANTH ROAD)	132/33	0	0	0	
	6	220KV S/S MORADABAD(MAJHOLA)	220/132 132/33	0	0	42	132
	7	132KV S/S AGWANPUR	132/33	0	0	10	33
	8	132KV S/S MORADABAD-III(GULAB BARI)	132/33	0	0	12	33
	9	132KV S/S THAKURDWARA	132/33	0	0	15	33
Rampur	1	220KV S/S RAMPUR	220/132 132/33	0	0	0	
	2	132KV S/S BILASPUR	132/33	0	0	0	
	3	132KV S/S RAMPUR	132/33	0	0	0	
	4	132KV S/S SAHABAD,RAMPUR	132/33	0	0	0	
	5	132KV S/S LALPUR	132/33	0	0	0	
	6	132KV S/S TANDA (RAMPUR)	132/33	0	0	0	
Sambhal	1	220KV S/S CHANDAUSI	220/132 132/33	0	0	0	
	2	220KV S/S SAMBHAL	220/132 132/33	0	0	0	
	3	132KV S/S ASMOLI	132/33	0	0	10	33
	4	132KV S/S BABRALA(GUNNOR)	132/33	0	0	38	132
	5	132KV S/S CHANDAUSI	132/33	0	0	0	
	6	132KV S/S SAMBHAL	132/33	0	0	0	
	7	132KV S/S KAILADEVI	132/33	0	0	20	33
Amroha	1	220KV S/S GAJRAULA	220/132 132/33	0	0	55	132
	2	220KV S/S AMROHA	220/132 132/33	0	0	0	
	3	132KV S/S AMROHA	132/33	0	0	10	33
	4	132KV S/S BACHHRAUN	132/33	0	0	40	132
	5	132KV S/S GAJRAULA	132/33	5	0	0	
	6	132KV S/S KOTHI KHIDMATPUR	132/33	0	0	32	132
	7	132KV S/S SAID NAGLI	132/33	0	0	36	132
	8	132KV HASANPUR	132/33	0	0	70	132
Bijnore	1	400KV S/S NEHTAUR (PPP)	400/132	0	0	0	
	2	132KV S/S BIJNORE	132/33	0	0	0	
	3	132KV S/S TAJPUR	132/33	0	0	15	33
	4	132KV S/S MORNA	132/33	10	0	14	33
	5	132KV S/S CHANDAK	132/33	0	0	18	33
	6	132KV S/S CHANDPUR	132/33	0	0	0	
	7	132KV S/S JALILPUR	132/33	0	0	0	
	8	132KV S/S KIRATPUR	132/33	0	0	0	
	9	220KV S/S CHANDPUR	220/132	0	0	40	132
	10	220KV S/S NEHTAUR	220/132 132/33	0	0	0	
	11	132KV S/S SHERKOT	132/33	0	20	10	33
	12	132KV S/S NAGINA	132/33	0	0	14	33
	13	132KV S/S NAJIBABAD	132/33	0	0	0	
	14	132KV S/S DHAMPUR	132/33	0	0	18	33
	15	132KV S/S AFZALGARH	132/33	0	0	0	
	1	400KV S/S MUZAFFARNAGAR	400/220 220/132	0	0	0	
	2	220KV S/S BADAIKALAN	220/132 132/33	0	0	0	

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR(MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL(kV)
Muzaffarnagar	3	220KV S/S JANSATH	220/132 132/33	0	0	42	132
	4	220KV S/S NARA(MUZAFFARNAGAR)	220/132 132/33 132/11	0	0	0	
	5	132KV S/S BHOPA ROAD	132/33	0	0	0	
	6	132KV S/S BAGHRA	132/33	0	0	0	
	7	132KV S/S JOLLY ROAD,MUZAFRNAGAR	132/33	0	0	12	33
	8	132KV S/S KHATAULI	132/33	0	0	32	132
	9	132KV S/S PURA	132/33	0	0	34	132
	10	132KV S/S PURKAZI	132/33	0	0	0	
	11	132KV S/S BHOPA(BHOKARHEDI)	132/33	0	0	0	
	12	132KV S/S BUDHANA	132/33	0	0	10	33
	13	132KV S/S LALUKHERI	132/33	0	0	40	132
	14	132KV S/S KHARAD	132/33	0	0	42	132
Saharanpur	1	220KV S/S BEHAT	220/132 132/33	0	0	0	
	2	220KV S/S SARSAWAN	220/132 132/33	0	0	0	
	3	220KV S/S SAHARANPUR	220/132 132/33	0	0	0	
	4	132KV S/S AMBALA ROAD SAHARANPUR	132/33	0	0	15	33
	5	132KV S/S AMBALA ROAD -II	132/33	0	0	12	33
	6	132KV S/S CHUTMALPUR	132/33	59.69	0	0	
	7	132KV S/S GAGALHERI	132/33	0	0	0	
	8	132KV S/S RAMPUR MANIHARAN	132/33	0	0	10	33
	9	220KV S/S NANAUTA	220/132 220/33 132/33	0	0	52	132
	10	132KV S/S DEOBAND	132/33	0	0	0	
	11	132KV S/S GANGOH	132/33	0	0	0	
	12	132KV S/S KOTA	132/33	0	0	14	33
	13	132KV S/S NAKUR	132/33	0	0	0	
Shamli	1	220KV S/S SHAMLI	220/132 220/33 132/33	0	0	55	132
	2	132KV S/S JHINJHANA	132/33	0	0	17	33
	3	132KV S/S KAIRANA	132/33	0	0	10	33
	4	132KV S/S JASALA	132/33	0	0	15	33
	5	132KV S/S BANNAT	132/33	0	0	15	33
	6	132KV S/S KANIYAN	132/33	0	0	38	132
	7	132KV S/S SHAMLI SHYAMLA	132/33	0	0	45	132
	8	132KV S/S THANA BHAWAN	132/33	0	0	10	33
TOTAL				84.69	30	2382	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

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 SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Agra	1	765KV S/S FATEHABAD, AGRA	765/400	0	0	0	
	2	400KV S/S AGRA	400/220 220/132 132/33	0	0	0	
	3	220KV S/S SHAMSHABAD ROAD	220/132 132/33	0	0	40	132
	4	132KV S/S BHEEMNAGARI	132/33	0	0	12	33
	5	132KV S/S FATEHABAD	132/33	0	0	15	33
	6	132KV S/S KHERAGARH	132/33	50	10	10	33
	7	132KV S/S SHAMSHABAD	132/33	0	0	16	33
	8	132KV S/S AGRA(TAJ)	132/33	0	0	0	
	9	220KV S/S SIKANDRA,AGRA	220/132 220/33 132/33	0	0	0	
	10	132KV S/S AGRA(CANTT.)	132/33	0	0	0	
	11	132KV S/S AGRA(FOUNDARI-NAGAR)	132/33	0	0	0	
	12	132KV S/S BODLA	132/33	0	0	14	33
	13	132KV S/S DAYALBAGH	132/33	0	0	0	
	14	132KV S/S BICHPURI	132/33	0	0	0	
	15	220KV S/S BAH	220/132 132/33	0	0	40	132
	16	132KV S/S ETMADPUR	132/33	0	15	12	33
	17	132KV S/S PINHAT	132/33	0	20	0	
	18	132 KV S/S GWALIOR ROAD	132/33	0	0	0	
	19	132KV S/S BAH,AGRA	132/33	0	0	0	
	20	400KV S/S AGRA SOUTH (GIS)	400/132	0	0	0	
	21	132KV S/S FATEHPUR SIKRI GIS	132/33	0	0	0	
	22	132KV S/S KIRAWALI	132/33	0	0	0	
Firozabad	1	400KV S/S FIROZABAD (ppp.)	400/220 220/132	0	0	0	
	2	220KV S/S TUNDLA	220/132 132/33	0	0	45	132
	3	220KV S/S FIROZABAD	220/132 132/33	0	0	38	132
	4	220KV S/S SIRSAGANJ	220/132 132/33	0	0	52	132
	5	132KV S/S JASRANA	132/33	0	0	0	
	6	132KV S/S NASEERPUR	132/33	0	0	33	132
	7	132 KV S/S NARKHI	132/33	0	0	0	
	8	132KV S/S SHIKOHABAD	132/33	0	0	0	
	9	132KV S/S TUNDLA	132/33	0	0	0	
	10	132KV S/S BARHAN	132/33	0	0	40	132
Mathura	1	400KV S/S MATH	400/220	0	0	0	
	2	220KV S/S VRINDAVAN(Energised)	220/132 132/33	0	0	40	132
	3	220KV S/S MATH	220/132 132/33	0	0	44	132
	4	220KV S/S GOKUL(MATHURA)	220/132 132/33	5	0	42	132
	5	220KV S/S CHHATA	220/132 132/33	0	0	0	
	6	132KV S/S KOSIKALAN(UPSIDC)	132/33	0	0	0	
	7	132KV S/S KOSIKALAN	132/33	0	0	35	132
	8	132KV S/S MATH	132/33	0	0	40	132
	9	132KV S/S MATHURA	132/33	0	0	0	
	10	132KV S/S MATHURA-2	132/33	0	0	0	

A.E

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
	11	132KV S/S SONKH ROAD	132/33	0	0	36	132
	12	132KV S/S VRINDAWAN	132/33	0	0	0	
Hathras	1	220KV S/S HATHRAS(MEETAI)	220/132 132/33	0	0	50	132
	2	132KV S/S BAMAOLI	132/33	0	0	0	
	3	132KV S/S HATHRAS (ODHPURA)	132/33	0	0	0	
	4	132KV S/S SADABAD	132/33	0	0	32	132
	5	132KV S/S SASNI	132/33	0	0	40	132
	6	220 KV SIKANDRARAO	220/132	0	0	50	132
	7	132 KV SIKANDARA RAO	132/33	0	0	0	
	8	132 KV HASAYAN	132/33	0	0	14	33
Aligarh	1	400kV Aligarh	400/220	0	0	0	
	2	220kV Boner	220/132	0	0	0	
	3	220kV Khair	220/132 132/33	0	0	45	132
	4	220kV Atrauli	220/132 132/33	0	0	40	132
	5	132kV Akrabad	132/33	0	0	0	
	6	132kV Aligarh-I(Sarsaul)	132/33	0	0	32	132
	7	132kV Aligarh-II(Boner)	132/33	0	0	0	
	8	132kV Aligarh-III	132/33	0	0	0	
	9	132kV Aligarh-V	132/33	0	0	34	132
	10	132kV Iglas	132/33	0	0	35	132
	11	132kV Jattari	132/33	0	0	0	
	12	132kV Gabana	132/33	0	0	40	132
	13	132kV Gangiri	132/33	0	0	42	132
	14	132kV Anoopshahr Road	132/33	0	0	10	33
Kanpur dehat	1	220kV Rania	220/132 132/33	0	0	0	
	2	220kV Sikandra	220/132 132/33	0	0	0	
	3	132kV Jainpur	132/33	0	0	0	
	4	132kV Pukhrayan	132/33	0	0	0	
	5	132kV Rasoolabad	132/33	0	0	0	
Kanpur	1	400kV Panki	400/220	0	0	0	
	2	220kV Panki	220/132 220/33 132/33	0	0	0	
	3	220kV Bithoor	220/132 132/33	0	0	0	
	4	220kV Phoolbagh	200/33	0	0	0	
	5	220kV R.P.H.	220/33	0	0	0	
	6	220kV Kidwainagar	220/33	0	0	0	
	7	132kV Jawaharpuram	132/33	0	0	15	33
	8	132kV Armapur	132/33	0	0	12	33
	9	132kV Bilhaur	132/33	0	0	0	
	10	132kV Ind.Estate Dadanagar	132/33	0	0	0	
	11	132kV Azadnagar	132/33	0	0	0	
	12	220KV S/S KANPUR SOUTH	220/33	0	0	0	
	13	220KV S/S NAUBASTA(KANPUR)	220/132 132/33	0	0	0	
	14	220KV S/S SARH	220/132 132/33	0	0	0	
	15	132KV S/S GHATAMPUR	132/33	0	0	0	
	16	132KV S/S KANPUR(KRISHNA NAGAR)	132/33	0	0	0	
	17	132KV S/S MERBAN SINGH KA PURWA	132/33	0	0	0	
	1	765 KV MAINPURI	765/400	0	0	0	

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
MAINPURI	2	220 KV MAINPURI	220/132 132/33	0	0	50	132
	3	132 KV DANNAHAR	132/33	0	0	0	
	4	132 KV KURAWALI	132/33	0	0	0	
	5	132 KV KUSMARA	132/33	5	0	15	33
	6	132 KV SULTANGANJ	132/33	0	0	0	
ETAH	1	220 KV ETAH	220/132 132/33	0	0	55	132
	2	132 KV ALIGANJ	132/33	0	0	37	132
	3	132 KV JALESAR	132/33	0	10	5	33
	4	132 KV MIRAICHI	132/33	0	0	15	33
	5	132 KV NIDHAULI KALAN	132/33	0	10	5	33
KASHGANJ	1	220 KV KASHGANJ	220/132 132/33	0	50	5	132
	2	132 KV GANJDUNDWARA	132/33	0	20	0	33
	3	132 KV KASHGANJ	132/33	0	0	12	33
TOTAL				60	45	1294	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

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 SOLAR(MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
					APPLIED THROUGH OPEN ACCESS	AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Banda	1	400KV S/S BANDA	400/220	0	0	0	
	2	220KV S/S BANDA	220/132 132/33	20	0	0	
	3	132KV S/S AGASI P.C.	132/33	0	55	0	
	4	132KV S/S ATARRA	132/33	0	0	0	
	5	132KV S/S BANDA	132/33	0	0	0	
	6	132KV S/S PAILANI	132/33	20	70	0	
Chitrakoot	1	220KV S/S PAHADI	220/132 132/33	0	32	30	132
	2	132KV S/S RAJAPUR	132/33	50	0	0	
	3	132KV S/S MAU	132/33	75	20	0	33
	4	132KV S/S KARVI	132/33	0	45	0	132
Hamirpur	1	132KV S/S BHARUWA SUMERPUR	132/33	5	0	0	
	2	132KV S/S PATARA, HAMIRPUR	132/33	10	0	0	
	3	132KV S/S RATH	132/33	0	0	0	
	4	132KV S/S SARILA	132/33	10	0	0	
Mahoba	1	220KV S/S MAHOBA	220/132	20	0	0	
	2	132KV S/S MAHOBA	132/33	85	0	0	
	3	132KV S/S KABRAI	132/33	20	70	0	
	4	132KV S/S PANWARI	132/33	95	30	0	
Jalaun	1	400KV S/S ORAI	400/220 220/132	255	30	0	
	2	220KV S/S ORAI	220/132 132/33	30	50	0	
	3	132KV S/S JALAUN	132/33	0	0	0	
	4	132KV S/S KALPI	132/33	120	70	0	
	5	132KV S/S KONCH	132/33	32	0	0	
	6	132KV S/S ORAI	132/33	0	0	0	
	7	132 KV MADHAVGARH	132/33	0	80	0	
Jhansi	1	220KV S/S JHANSI	220/132 132/33	50	0	0	
	2	132KV S/S GURSARAIN	132/33	20	70	0	
	3	132KV S/S JHANSI(HASARI)	132/33 132/66	0	0	0	
	4	MAURANIPUR	132/33	0	0	0	
	5	220/132KV S/S MOTH	132/33	40	80	0	
	6	220KV S/S BABINA	220/132 132/33	70	10	0	
	7	132KV S/S ERAICH(UPEIDA DEFENCE COR.)	132/33	0	120	0	
Lalitpur	1	220KV S/S LALITPUR	220/132 132/33	0	130	0	
	2	132KV S/S LALITPUR	132/33 132/66	30	20	0	
	3	132KV S/S MEHRAUNI	132/33	40	0	0	
KANNAUJ	1	220kV Nibkarori	220/132 132/33	0	50	0	
	2	220kV Farrukhabad (Bhojpur)	220/132 132/33	0	0	45	132
	3	132kV Fatehgarh (Farrukhabad)	132/33	0	20	0	
	4	132kV Kayamganj	132/33	5	0	0	
	5	220 KV CHHIBRA MAU	220/132 132/33	0	0	50	132
	6	132 KV TAALGRAM	132/33	0	0	40	132
	7	132 KV KANNAUJ	132/33	0	0	18	33

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ETAWAH	1	220 KV BHARTHANA	220/132 132/33	0	0	45	132
	2	220 KV SAIFAI	220/132 132/33	0	0	50	132
	3	132 KV CHAKKAR NAGAR	132/33	0	10	10	33
	4	132 KV JASWANT NAGAR	132/33	0	0	0	
	5	132 KV KUNERA , ETAHWA	132/33	0	0	42	132
	6	132 KV TAKHA	132/33	0	0	0	
AURAIYA	1	132 KV AURAIYA	132/33	0	20	0	33
	2	132 KV DIBIYA PUR	132/33	0	0	15	33
	3	132 KV BIDHUNA	132/33	0	10	12	33
TOTAL				1102	1092	357	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

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
Chitrakoot	1	400KV S/S CHITRKOOT(BANDA)	400/220	0	800	0	0	
Banda	2	(INSTALLATION OF 220/132 KV DOWNSTREAM AT 400KV S/S BANDA) (GREEN COR.)	220/132	0	0	0	0	
	3	132KV S/S BABERU(GREEN COR.)	132/33	0	100	50	0	
Hamirpur	4	220KV S/S HAMIRPUR(GREEN COR.)	220/132	0	200	90	0	
	5	132KV S/S GOHAND(GREEN COR.)	132/33	0	50	0	0	
	6	132KV S/S MUSKARA(GREEN COR.)	132/33	0	100	20	0	
Mahoba	7	220KV S/S KABRAI(GREEN COR.)	220/132 132/33	0	100	0	70	132
	8	220KV S/S CHARKHARI(GREEN COR.)	220/132	0	100	200	0	
	9	220KV S/S JAITPUR(GREEN COR.)	220/132 132/33	0	100	50	0	
Jalaun	10	400KV S/S MAHEBA (GREEN COR.)	400/220 220/132	0	600	70	330	250MW at 400kV & 80 MW at 220 kV
	11	220KV S/S DAKOR(GREEN COR.)	220/132 132/33	0	100	150	0	
	12	132KV S/S KADAURA(GREEN COR.)	132/33	0	50	0	0	
	13	132KV S/S KUTHOND(GREEN COR.)	132/33	0	50	0	0	
Jhansi	14	400KV S/S GAROTHA(GREEN COR.)	400/220	0	600	200	0	
	15	220KV S/S BAMAUR(GREEN COR.)	220/132 132/33	0	100	100	0	
	16	220KV S/S BANGRA(GREEN COR.)	220/132 132/33	0	100	0	0	
Lalitpur	17	765KV S/S TALBEHAT(GREEN COR.)	765/400 400/220 220/132	0	600	150	350	200MW at 400kV & 150MW at 220kV
	18	220KV S/S BIRDHA(GREEN COR.)	220/132 132/33	0	100	0	0	
	19	220KV S/S MANDWARA	220/132 132/33	0	100	0	0	
	20	132KV S/S MEHRAUNI(GREEN COR.)	132/33	0	50	0	0	
Farrukhabad	21	400KV S/S FARRUKHABAD(GREEN COR.)	400/220 220/132	0	0	0	200	220
		TOTAL		**0**	**4000**	**1080**	**950**	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

A.E.

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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 SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Ayodhya	1	220KV S/S SOHAWAL	220/132 132/33	0	0	42	132
	2	132KV S/S BIKAPUR	132/33	0	0	20	33
	3	132KV S/S RUDAULI	132/33	0	0	15	33
	4	132KV S/S FAIZABAD(DARSHAN NAGAR)	132/33	0	40	0	33
	5	132KV S/S MILKIPUR	132/33	0	20	18	33
	6	220KV S/S AYODHYA	220/132 132/33	0	0	55	132
Ambedkar Nagar	1	220KV S/S NEW TANDA	220/132 132/33	0	0	40	132
	2	132KV S/S AALAPUR	132/33	0	0	18	33
	3	132KV S/S AKBARPUR	132/33	0	0	15	33
	4	132KV S/S JALALPUR	132/33	0	0	18	33
	5	132KV S/S TANDA	132/33	0	0	15	33
Sultanpur	1	400KV S/S SULTANPUR	400/220	0	0	0	
	2	220KV S/S SULTANPUR	220/132 132/33	0	0	62	132
	3	132KV S/S GOSHAISING PUR	132/33	0	0	17	33
	4	132KV S/S LAMBHUA	132/33	0	0	0	
	5	132KV S/S KADIPUR	132/33	0	0	17	33
Amethi	1	220KV S/S AMETHI	220/132 132/33	0	0	60	132
	2	132KV S/S GAURIGANJ	132/33	0	0	40	132
	3	132KV S/S HAL KORWA	132/11	0	0	0	
	4	132KV S/S JAGDISHPUR	132/33	0	0	16	33
	5	132KV S/S MUSAFIRKHANA	132/33	10	10	0	
	6	132KV S/S TILOI	132/33	0	0	15	33
Raebareli	1	220KV S/S BACHHRAWAN	220/132 132/33	10	0	45	220
	2	132KV S/S BACHHRAWAN	132/33	0	0	33	132
	3	132KV S/S DALMAU	132/33	10	0	0	
	4	132KV S/S RAIBARELI(AMAWAN)	132/33	0	0	0	
	5	132KV S/S RAIBARELI(TRIPULA)	132/33	0	0	0	
	6	132KV S/S SARENI	132/33	0	0	15	33
	7	132KV S/S SALON	132/33	0	20	10	33
Budaun	1	220KV S/S BADAUN	220/132	0	0	0	
	2	132KV S/S BILSI	132/33	50	0	0	
	3	132KV S/S BISAULI	132/33	0	0	35	132
	4	132KV S/S UJHANI	132/33	0	0	15	33
	5	132KV S/S SAHASWAN	132/33	50	0	12	33
	6	132KV S/S USAWAN	132/33	70	0	10	33
	7	132 KV S/S BADAUN	132/33	0	0	0	
	8	400KV S/S BADAUN (App.)	400/220 220/132	0	50	0	132
	9	220 KV DATAGANJ	220/132	0	110	40	132
Bareilly	1	400KV S/S BAREILLY	400/220	0	0		
	2	220KV S/S C.B.GANJ	220/132 132/33	0	0	70	132
	3	132KV S/S AONLA	132/33	0	0	18	33
	4	132KV S/S BAREILLY - II	132/33	0	0	0	
	5	132KV S/S BAREILLY(TOWN)	132/33	0	0	18	33
	6	132KV S/S FARIDPUR	132/33	0	0	10	33
	7	132KV S/S RICHHA	132/33	0	0	18	33

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DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Bareilly	8	220KV S/S FARIDPUR	220/132 132/33	0	0	55	132
	9	132KV S/S MEERGANJ	132/33	0	0	0	
	10	220KV S/S BAREILLY(DOHNA)	220/132 132/33	0	0	45	132
	11	132KV S/S BAREILLY(DOHNA)	132/33	0	0	0	
	12	132KV S/S NAWABGANJ	132/33	0	20	0	
Pilibhit	1	220KV S/S PILIBHIT	220/132 132/33	0	0	60	132
	2	132 KV S/S PILIBHIT	132/33	0	0	0	
	3	132KV S/S BISALPUR	132/33	0	20	15	33
	4	132KV S/S POORANPUR	132/33	0	0	17	33
	5	220KV S/S AMARIYA	220/132 132/33	0	10	40	132
Behraich	1	220KV S/S BEHRAICH	220/132 132/33	10	5	18	33
	2	132KV S/S BEGAMPUR	132/33	10	10	0	
	3	132 KV S/S PYAGPUR	132/33	20	0	10	33
	4	132KV S/S BEHRAICH	132/33	0	0	16	33
	5	132KV S/S NANPARA	132/33	0	0	12	33
	6	132KV S/S KAISERGANJ	132/33	0	0	0	
Shravasti	1	132KV S/S BHINGA	132/33	0	0	0	
Balrampur	1	132KV S/S BALRAMPUR	132/33	0	0	18	33
	2	132KV S/S TULSIPUR	132/33	0	0	10	33
	3	132KV S/S UTRAULA	132/33	0	0	0	
	4	220KV S/S BALRAMPUR	220/132 132/33	0	10	35	132
Gonda	1	220KV S/S GONDA	220/132 132/33	0	0	44	132
	2	220KV S/S GONDA(PPP)	220/132	0	0	0	
	3	132KV S/S COLONELGANJ	132/33	0	0	15	33
	4	132KV S/S MANKAPUR	132/33	0	0	17	33
	5	132KV S/S NABABGANJ	132/33	0	0	12	33
	6	132KV S/S GHARIGHAT	132/33	0	0	34	132
	7	132KV S/S ITIATHOK	132/33	0	0	14	33
Lucknow	1	220KV S/S LUCKNOW(SAROJINI NAGAR)	220/132 132/33	0	0	0	
	2	400KV S/S LUCKNOW(SAROJINI NAGAR)	400/220	0	0	0	
	3	220KV S/S LUCKNOW(HARDOI ROAD)	220/132 132/33	0	0	0	
	4	220KV S/S KANPUR ROAD(GIS)	220/33	0	0	17	33
	5	132KV S/S LUCKNOW(MARTINPURWA)	132/33	0	0	15	33
	6	132KV S/S LUCKNOW(MOHAAN ROAD)	132/33	0	0	18	33
	7	132KV S/S LUCKNOW(NEEBU PARK) mehtab	132/33	0	0	0	
	8	132KV S/S LUCKNOW(RAHIMABAD)	132/33	0	0	10	33
	9	132KV S/S HANUMAN SETU	132/33	0	0	10	33
	10	132KV S/S LUCKNOW(SGPGI)	132/33 132/11	0	0	0	
	11	132KV S/S LUCKNOW(TRT)	132/33	0	0	0	
	12	400KV S/S JEHTA(HARDOI ROAD)	400/220 220/132	0	0	0	
	14	220KV S/S BIJNORE	220/132 132/33	0	0	0	
	15	132KV S/S JEHTA	132/33	0	0	0	
	16	220KV S/S LUCKNOW(BKT)	220/33	0	20	15	33
	17	220KV S/S LUCKNOW(CHINHAT)	220/132 132/33	0	0	10	33
	18	132kV S/s Awas Vikas	132/33			15	33

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
	19	220KV S/S LUCKNOW(GOMTI NAGAR)	220/33	0	0	18	33
	20	220KV S/S LUCKNOW(KURSI ROAD)	220/132 132/33	0	0	42	132
	21	220KV S/S LUCKNOW(CG CITY)	220/33	0	0	18	33
	22	132KV S/S LUCKNOW(INDIRA NAGAR)	132/33	0	0	12	33
	23	132KV S/S LUCKNOW(KHURRAM NAGAR)	132/33	0	0	35	132
	24	132KV S/S LUCKNOW(NKN)	132/33	0	0	0	
	25	132KV S/S LUCKNOW(SAHARA CITY)	132/33	0	0	10	33
	26	132 kV S/S GOMTI NAGAR	132/33	0	0	15	33
	27	220KV S/S SATRIKH ROAD	220/33	0	0	16	33
	28	132KV S/S LUCKNOW(MOHANLAL GANJ	132/33	0	0	15	33
Barabanki	1	220KV S/S BARABANKI	220/132 132/33	0	0	0	
	2	132KV S/S BARABANKI	132/33	0	0	38	132
	3	132KV S/S HAIDERGARH	132/33	0	0	10	33
	4	132KV S/S NINDURA	132/33	0	0	14	33
	5	132KV S/S RAM SANEHI GHAT	132/33	0	0	10	33
Unnao	1	UNNAO	**765/400**	0	0	0	
	2	400KV S/S UNNAO	400/220 220/132	0	0	0	
	3	220kv S/S DAHI CHOUKI	220/33	0	10	17	33
	4	132KV S/S BANGERMAU	132/33	0	55	0	
	5	132KV S/S BIGHAPUR	132/33	0	10	0	33
	6	132KV S/S CHAKALWANSHI	132/33	0	0	0	
	7	132KV S/S HASANGANJ	132/33	0	0	0	
	8	132KV S/S MAURAWAN	132/33	0	0	18	33
	9	132KV S/S UNNAO(KUNDAN ROAD)	132/33	0	0	15	33
	10	132KV S/S UNNAO(SONIK)	132/33	0	0	0	
Sitapur	1	220KV S/S SITAPUR	220/132 132/33	0	0	36	132
	2	132KV S/S MISHRIKH	132/33	0	90	0	
	3	132KV S/S BISWAN	132/33	5	0	10	33
	4	132KV S/S LAHARPUR	132/33	0	10	12	33
	5	132KV S/S MAHAMUDABAD	132/33	0	0	16	33
	6	132KV S/S NERI	132/33	0	0	13	33
	7	132KV S/S SIDHAULI	132/33	0	0	10	33
Hardoi	1	220KV S/S HARDOI	220/132 132/33	0	0	45	132
	2	132KV S/S BAGHAULI	132/33	0	0	0	
	3	132KV S/S SAHABAD	132/33	0	0	10	33
	4	132KV S/S ASHA	132/33	10	0	17	33
	5	132KV S/S SANDILA	132/33	0	0	15	33
	6	132KV S/S SHRIMAU	132/33	20	10	20	
	7	132KV S/S BHARAWAN(SANDILA)	132/33	0	0	18	33
	8	220KV S/S MALLAWAN	220/132 132/33	0	0	0	
Lakhimpur	1	220KV S/S NIGHASAN	220/132 132/33	0	0	0	
	2	132KV S/S DHAURHARA	132/33	0	0	10	33
	3	132KV S/S GOLA	132/33	0	0	0	
	4	132KV S/S LAKHIMPUR(KHERI)	132/33	0	0	10	33
	5	132KV S/S MOHAMMADI	132/33	0	0	40	132
	6	132KV S/S PALLIA	132/33	0	0	18	33
	7	220KV S/S GOLA	220/132 132/33	0	0	0	
	8	132KV S/S OEL	132/33	0	10	18	33

A.E.

DISTRICT	S. No.	NAME OF SUB-STATION	VOLTAGE RATIO(KV)	EXISTING SOLAR (MW)	APPLIED SOLAR (MW) BUT NOT COMMISSIONED	Cluster Capacity(MW)	
						AVAILABLE MARGINE (MW)	AT VOLTAGE LEVEL (kV)
Shahjahanpur	1	220KV S/S SHAHJAHANPUR	220/132 132/33	0	20	45	132
	2	132KV S/S POWAYAN	132/33	0	0	0	
	3	132KV S/S BANDAA	132/33	50	0	0	
	4	132KV S/S SHAHJAHANPUR	132/33	0	0	0	
	5	132KV S/S TILHAR	132/33	10	0	15	33
	6	132KV S/S JALALABAD	132/33	50	0	0	
	7	220KV S/S AZIZPUR	220/132 132/33	0	0	70	132
TOTAL				385	560	2180	

Note:

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

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

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

c) 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.

d) The data provided is given as on date which may change in future due to changes in grid structure and change in power flow dynamics at that time.

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