Name of station	Existing / UC/ Planned MVA Capacity	Capacity Allocated/ Under	existing /	Margin on UC system	Line Bays red integi			largin with ICT entation	
Name of station		Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level	
Gujarat									
Navinal (GIS) 765/400kV	4x1500MVA, 765/400kV	300	0	0	1	0	0	0	
		Total GUJ:	0	0	1	0	0	0	
Maharashtra									
Parli (PG) 400/220kV	2x500MVA, 400/220kV	300	0	0	0	0	0	0	300MW c Overloadi network.
		Total MAH:	0	0	0	0	0	0	
Madhya Pradesh									
Khandwa 400/220kV	2x315+1x500MVA, 400/220kV	300	0	0	0	0	0	0	300MW S Solar at Kl Overloadi
Indore 765/400/220kV	2x500MVA, 400/220kV + (1x500MVA with sectionalisation at 220kV for RE injection)	924.4	150.6	400	1	1	0	0	324.4MW sectionalis been gran
Jabalpur PS 765/400	2x1500MVA 765/400kV	0	0	0	0	0	0	0	765/400k
Rajgarh 400/220kV	2x315MVA, 400/220kV+ (2x500MVA with sectionalisation at 220kV for RE injection)	1092	0	0	3	0	155	0	Margins a granted / 220kV dov Margins a granted/a Rajgarh S/ RE injectio About 15 INJECTION
		Total MP:	150.6	400	4	1	155	0	
Chhattisgarh									
Dharamjaygarh 765/400kV	2x1500MVA 765/400kV	0	0	900	0	1	0	0	765/400k
Champa 765/400kV	6x1500MVA 765/400kV	0	0	1500	0	2	0	0	765/400k
Bilaspur PS 765/400kV	3x1500MVA 765/400kV	0	0	1000		1	0	0	765/400k
		Total Chhat:	0	3400	0	4	0	0	
		Total WR	150.6	3800	5	5	155	0	

All figures are in MW (as on 31-07-2024)
Remarks
0
capacity has been allocated at Parli (PG) S/s. ding in 220kV downstream & Parli 400kV
0
Stage-II connectivity & 300MW LTA from Masaya Khandwa has also been granted. Jing in 220kV downstream network.
W LTA has been granted on 1x500MVA with lisation at 220kV for RE injection & 600MW has inted on 400kV bay
kV ICT overloading.
at 220kV bay of Srpng: 298.24MW has been / agreed for grant to M/s Sprng. Overloading in ownstream network. at 400/220kV ICT-III& IV: 793.6MW has been /agreed/received at extended 220kV bus of S/s through addl. 400/220kV, 500MVA ICT(s) for ion.
55MW FURTHER MARGINS EXIST FOR RE ON AT RAJGARH S/s
705.6
kV ICT overloading.
kV ICT overloading.
kV ICT overloading.
3400
4105.6

Statu	us of margins available at e	xisting ISTS s	substatior	ns (non RE) for prop	osed RE in	tegration		
		Capacity	existing /	Margin on UC system	Line Bays red integr	•		argin with ICT	
Name of station	Existing / UC/ Planned MVA Capacity	Allocated/ Under Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level	
Andhra Pradesh									
Kurnool (New) 765/400kV	2X1500 MVA, 765/400 kV	2714	0	0		1	0	250	
		Total AP:	0	0	0	1	0	250	
Karnataka									
Hiriyur 400/220kV	2x315 MVA, 400/220 kV + 1x500 MVA, 400/220 kV	600.3	0	0	0		0	0	
		Total Kar:	0	0	0	0	0	0	
Kerala									
Palakkad (400/220kV)	2x315 MVA, 400/220 kV + 1x500 MVA, 400/220 kV	0	300	0	2	0	0	0	
		Total Ker:	300	0	2	0	0	0	
Tamil Nadu									
Pugalur(Existing) 400/230kV	2X315 MVA + 1X500 MVA, 400/230 kV	655	0	0			0	0	Pugalur(E grant of C
Malekottaiyur(Kalive ndapattu) 400/230kV	2X315 MVA + 1X500 MVA, 400/230 kV	NIL	500	0	2		0	0	
Nagapattinam PS 765/400kV	Charged at 400 kV	NIL	0	1000		2	0	0	
		Total TN:	500	1000	2	2	0	0	
Deiesther		Total SR	800	1000	2	3	0	250	
Rajasthan Chittorgarh 765/400kV	765/400kV : 2x1500MVA	NIL	0	0	0	0	0	0	
Ajmer 765/400kV	765/400kV : 2x1500MVA	NIL	0	0	0	0	0	0	
Bassi	400/220 kV : 2x315MVA +1x500MVA	NIL	0	0	0	0	0		220kV ov
Bhiwadi	400/220 kV : 3x315MVA	NIL	0	0	0	0	0		220kV ov
Kankroli	400/220 kV : 3x315MVA	NIL	0	0	0	0	0		220kV ov
Kota	400/220 kV : 2x315MVA	NIL	0	0	0	0	0		220kV ov
Bhinmal	400/220 kV : 2x315MVA+1x315 MVA UC	NIL	0	0	0	0	0	0	
Neemarana	400/220 kV : 1x315MVA +1x500MVA	NIL	300	0	1	0	0	0	
Sikar	400/220 kV : 2x315MVA +1x500MVA	NIL	0	0	0	0	0		220kV ov

All figures are in MW (as on 31-07-2024)
Remarks
250
0
300
(Existing) has been closed for all purpose regarding Connectivity.
1500
2050
verloading
verloading
verloading
verloading
verloading

Status of margins available at existing ISTS substations (non RE) for proposed RE integration									
Name of station	Evicting (UC/ Diamod MVA Conscitu	Capacity Allocated/ Under	existing /	Margin on UC system	Line Bays rec integr	•		argin with ICT Intation	
Name of Station	Existing / UC/ Planned MVA Capacity	Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level	
Jaipur (South)	400/220 kV : 2x500MVA	NIL	400	0	1	0	0	0	

All figures are in MW (as on 31-07-2024) Remarks

Stat	us of margins available at e	xisting ISTS s	substatior	ns (non RE) for prop	osed RE in	tegration		
Name of station	Evisting / UC/ Diamod MV/A Constitu	Capacity	existing /	Margin on UC system	Line Bays rec integ	quired for RE ration		argin with ICT Intation	
Name of Station	Existing / UC/ Planned MVA Capacity	Allocated/ Under Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level	
Kotputli	400/220 kV : 2x315MVA+1X500MVA (Planned)	NIL	150	0	1	0	0	0	
		Total RAJ	850	350	3	0	0	0	
Haryana									
Kaithal	400/220 kV : 3X315MVA	NIL	150	0	1	0	0	0	
Panchkula	400/220 kV : 2X315MVA+500MVA	NIL	0	0	0	0	500	0	
Bahadurgarh	400/220 kV : 315MVA +500MVA+500MVA (UC)	NIL	150	0	1	0	0	0	
Sonepat	400/220 kV : 2x315MVA	NIL	0	0	0	0	500	0	
Manesar	400/220 kV : 2X500MVA	NIL	250	0	1	0	0	0	
		Total HARY	550	0	3	0	1000	0	
Uttar Pradesh									
Kanpur(New)	765/400 kV : 2x1500MVA+1x1500	NIL	0	1250	0	1	0	0	220kV No
Fatehpur	765/400kV : 2x1500MVA; 400/220 kV : 2X315MVA	NIL	0	0	0	0	500	0	
Mainpuri	400/220 kV : 2x315MVA +500MVA	NIL	150	0	1	0	0	0	
Sohawal	400/220 kV : 2x315MVA +500MVA	NIL	100	0	1	0	0	0	
Lucknow (new)	765/400 kV : 2x1500MVA	NIL	0	500	0	1	0	0	
Balia	765/400 kV : 2x1500MVA	NIL	0	850	0	1	0	0	220kV No
Bareilly(New)	765/400 kV : 2x1500MVA	NIL	0	500	0	1	0	0	
Varanasi	765/400 kV : 2x1500MVA	NIL	0	500	0	1	0	0	
		Total UP	250	3600	2	5	500	0	
Odisha		Total NR	1650	3950	8	5	1500	0	
Jeypore	400/220kV: 2x630MVA		500	0	0		0	0	

All figures are in MW (as on 31-07-2024)
Remarks
1200
1550
Not available
Not available.
4350
7100

Status of margins available at existing ISTS substations (non RE) for proposed RE integration									
Name of station	Evicting (UC/ Diamod MVA Conscitu	Capacity	existing /	Margin on UC system	Line Bays rec integr	-		argin with ICT ntation	
Name of station	Name of station Existing / UC/ Planned MVA Capacity	Allocated/ Under Process (MW)		400kV level	220kV level	400kV level	220kV level	400kV level	
Keonjhar	400/220kV: 2x315MVA	0	300	0	1		0	0	

All figures are in MW (as on 31-07-2024) Remarks

Statu	us of margins available at e	xisting ISTS s	substatior	ns (non RE) for prop	osed RE in	tegration		All figu
Name of station	Existing / UC/ Planned MVA Capacity	Capacity Allocated/ Under	existing /	Margin on UC system	Line Bays rec integr	-		argin with ICT Intation	
Name of station		Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level	
Pandiabil	400/220kV: 2x500MVA	0	400	0	3		0	0	
Rengali	400/220kV: 2x315MVA	0	100	0	1		0	0	
Angul	765/400: 4x1500MVA	0	0	2500		2	0	0	
Total		Total Od:	1300	2500	5	2	0	0	
Jharkhand									
Chaibasa	400/220kV: 2x315MVA	0	400	0	2		0	0	
Daltonganj	400/220kV: 2x315MVA	0	400	0	1		0	0	
Ranchi	400/220kV: 2x315MVA + 1x500MVA		800		0		400	0	Additional 400MW wou commissioning of 3rd 40 (expected by Feb 2023)
Ranchi (New)	765/400kV: 2x1500MVA	0	0	900		1	0	0	
Chandwa	400kV switching		0	900		1	0	0	
Dhanbad	400/200kV: 2x500MVA		300						
Total		Total Jh:	1900	1800	3	2	400	0	
Bihar									
Banka	400/132kV: 2x200MVA + 1x315MVA (existing) 400/220kV: 2x500MVA (under construction, expected by Oct 2024)	0	100	0	1	0	400	0	100MW at 132kV level i at 220kV level with the i of 400/220kV, 2x500MV by Oct 2024
Lakhisarai	400/132kV: 2x200MVA + 1x315MVA	0	200	0	1	0	0	0	132kV level
Motihari	400/132kV: 2x200MVA + 1x315MVA	0	500	0	1	0	0	0	132kV level
Chandauti	400/220kV: 3x500MVA	0	900	0	2	0	0	0	
Muzaffarpur	400/220kV: 2x315MVA + 2x500MVA	0	600	0	2	0	0	0	line corridor available fo
Saharsa	400/220kV: 2x500MVA	0	900	0	2	0	0	0	
Sitamarhi	400/220kV: 2x500MVA	0	900	0	2	0	0	0	
		Total Bihar:	4100	0	11	0	400	0	

All figures are in MW (as on 31-07-2024)
Remarks
3800
al 400MW would be available after sioning of 3rd 400/220kV, 500MVA ICT at Ranchi ed by Feb 2023)
4100
at 132kV level in the existing system and 400MW / level with the implementation of "Augmentation 20kV, 2x500MVA ICT at Banka" Scheme expected 024
vel
vel
idor available for 2 lines
4500

Status of margins available at existing ISTS substations (non RE) for proposed RE integration										
Name of station	Evisting (UC/ Dispared MI/A Constitut	Capacity		Margin on UC system			Additional Margin with ICT Augmentation			
Name of Station	Existing / UC/ Planned MVA Capacity	Allocated/ Under Process (MW)	220kV level	400kV level	220kV level	400kV level	220kV level	400kV level		
West Bengal										
Durgapur-B	400/220kV: 3x315MVA		0				300		220kV ove margin we Durgapur	
Maithon-B	400/220kV: 3x500MVA		300							
Subhasgram	400/220kV: 2x315MVA + 1x500MVA	0	600	0	1		300	0	Additiona commissi Subhasgra	
Jeerat-New	765/400: 2x1500MVA	0	0	2400		2	0	0		
Medinipur	765/400: 2x1500MVA	0	0	1500		1	0	0		
		Total WB:	900	3900	1	3	600	0		
		ER-Total	8200	8200	20	7	1400	0		

All India	All India Total	10800.6	16950	35	20	3055	250	
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Disclaimer The margins indicated may vary depending on network topology, Load-Generation balance, etc. For any clarification/information, CTU may be contacted.

All figures are in MW (as on 31-07-2024)
Remarks
verloaded in present case under N-1. 300MW would be created after reconductoring of ur - Parulia 220kV D/c line by DVC
nal 300MW would be available after sioning of 6th 400/220kV, 500MVA ICT at gram by CESC (expected by 2024)
5400
17800
31055.6