

Status of allocation of bay(s) at the existing or the proposed ISTS sub-stations for Stage-II Connectivity

{ As on 28.02.2023 }

Sl. No.	Name of Substation	Substation Coordinates	Region	Transformation Capacity (MVA)			RE Capacity Granted (Stage-II Connectivity)						Margin on Existing / Under Implementation Transmission System				Space Provision for Future Additional Line Bays (No.) for Injection		Remarks			
				Planned	Existing	Under Implementation	220kV			400kV			220kV		400kV		220kV	400kV				
							Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Bay-wise Margins Available (MW)	Bay No.	Bay-wise Margins Available (MW)						
1	400/220kV Jam Khambhaliya (GIS) PS #	22°08'41"N 69°40'38"E	WR		400/220kV, 4x500MVA,		201	250.8	CLP India Pvt. Ltd.	407	300	Vaayu Renewable Energy (Mevasa) Pvt. Ltd.	201	49.2	407	600	6	6	Additional augmentation of transmission system shall be required for power transfer beyond 1200MW from Jam Khambhaliya (GIS) PS. Transformation Capacity at 400/220kV Jam Khambhaliya (GIS) PS is expandable up to 8x500MVA ICTs .			
							202	0	Vacant	2	1200	Reliance Industries Ltd. (Bulk Consumer)	202	300	2							
							203	50.6	Powerica Ltd.	3			203	249.4	3							
							206	115	Torrent Power Ltd.	4	1050	EET Future Energy Ltd. (formerly Renjoules International Ltd.) (Bulk Consumer)	206	185	4							
							5	0	Vacant	5			5	300	5							
							6	0	Vacant				6	300								
							7	0	Vacant				7	300								
							416.4				2550	1683.6		600								
2	765/400/220kV Bhuj PS#	23.45583333° N, 69.56235833° E	WR		4x1500MVA, 765/400kV, 8x500MVA, 400/220kV		205	776	Inox Wind Infrastructure Services Ltd. (500MW) & Continuum Power Trading (TN) Ltd (126MW) NTPC Renewable Energy Ltd. (150MW)				205				3	6	Augmentation of transmission system shall be required for power transfer beyond 4000MW in case of injection at 220kV level. Transformation Capacity at 400/220kV Bhuj PS are expandable up to 9x500MVA ICTs .			
							208					208	0									
							206	0	Vacant			206	300									
							215	300	Green Infra Wind Energy Ltd.			215	0									
							216	250	Green Infra Wind Energy Ltd.			216	50									
							219	555	Adani Wind Energy Kutchh one Ltd.(175MW) Adani Wind Energy Kutchh Three Ltd.(250MW) Adani Wind Energy Kutchh Five Limited(130MW)			219	170									
							220					220										
							230	300	Alfanar Energy Pvt Ltd			230	0									
							231	300	Netra Wind Pvt Ltd			231	0									
							230	285	Avikiran Solar India Private Ltd.			230	15									
							234	300	Renew Wind Energy (AP2) Pvt. Ltd			234	0									
206	300	NTPC Renewable Energy Ltd.			206	0																
							3366.0				535											
3	765/400/220kV Bhuj-II PS#	Boundary Coordinates 23°22'29.92"N 69° 8'32.39"E 23°22'26.60"N 69° 8'55.06"E 23°22'6.44"N 69° 8'43.33"E 23°22'15.91"N 69° 8'24.01"E	WR		1x1500 MVA, 765/400 kV; 4x500 MVA, 400/220 KV	1x1500 MVA, 765/400 kV;	210	300	Sitac Kabini Renewables Pvt Ltd				210	0			8	6	Additional augmentation of transmission system shall be required for power transfer beyond 2000MW in case of injection at 220kV level. Transformation Capacity at 765/400/220kV Bhuj II GIS S/s is expandable upto 4x1500MVA, 765/400kV ICTs & 9x500MVA, 400/220kV ICTs			
							207	148.5	Srijan Energy Systems Private Limited				207	151.5								
							201	300	Adani Green Energy Ltd				201	0								
							204	300	Inox Wind Infrastructure Services Ltd.				204	0								
							202	0	Vacant				202	300								
							205	0	Vacant				205	300								
							211	0	Vacant				211	300								
							1048.5				1051.5											
4	400/220kV Bhachau S/s	23.20613889° N, 70.18733333° E	WR		2x315 MVA, 400/220 KV		210	300	Ostro Kutch Wind Pvt. Ltd.				210	300			NIL	3	Availability of line corridor is limited.			
							211						211									
							212	350	Renew Power Ventures Pvt. Ltd.				212	250								
							213						213									
							650				550											
5	Khavda PS-I	Boundary Coordinates: 534252.00 m E 2665370.00 m N 534924.00 m E 2665328.00 m N 534892.00 m E 2664895.00 m N 534253.00 m E 2664935.00 m N	WR		3x1500MVA, 765/400kV		Section-A						0	7	Presently, Khavda PS-1 is under construction stage. Transformation Capacity at 765/400kV Khavda PS-I is expandable up to 8x1500MVA ICTs * Agreed for Grant							
							1	2500	Adani Renewable Energy Holding Four Ltd.							1	0					
							2									2						
							3	1000	Adani Renewable Energy Holding Four Ltd.							3	0					
							4	1050	Adani Green Energy Ltd. (1050MW)*							4	0					
							Section-B															
							5	1000	Adani Green Energy Ltd. (1000MW)							5	0					
							6	1000	Adani Green Energy Ltd.							6	0					
							7	1300	Adani Green Energy Ltd. (1050+250MW*)							7	0					
8	1150	Sarjan Realities Pvt. Ltd. *				8	0															
							0				9000	0										

Sl. No.	Name of Substation	Substation Coordinates	Region	Transformation Capacity (MVA)			RE Capacity Granted (Stage-II Connectivity)						Margin on Existing / Under Implementation Transmission System				Space Provision for Future Additional Line Bays (No.) for Injection		Remarks
				Planned	Existing	Under Implementation	220kV			400kV			220kV		400kV		220kV	400kV	
							Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Bay-wise Margins Available (MW)	Bay No.	Bay-wise Margins Available (MW)			
15	Kallam PS#	18°37'21.05"N, 75°52'17.08"E	WR	2x500MVA, 400/220kV		2x500MVA, 400/220kV	206	300	Renew Solar Power Pvt. Ltd.	1	66	Torrent Solar Power Pvt. Ltd. *	206	0		834	0	6	Presently, Kallam PS is under construction stage. Transformation Capacity at 400/220kV Kallam PS is expandable up to 4x500MVA ICTs. * Agreed for Grant
							205	321.6	TEQ Green Power XI Pvt. Ltd. (201MW+99MW+21.6)				205	0					
							202	150	ReNew Green (MHP One) Pvt. Ltd. (117MW+33MW)				202	150					
							201	300	Anupavan Renewables Pvt. Ltd. (150MW) Viento Renewables Pvt. Ltd. (150MW)				201	0					
							210	201	Veh Aarush Renewables Pvt. Ltd.				210	99					
							213	300	JSW Neo Energy Ltd. (JSW NEL)				213	0					
							212	350	Serentica Renewables India 4 Pvt. Ltd. (SRI4PL) (210MW+140*MW)				212	0					
							1922.6					249							
16	Parli (PG) S/s (existing)		WR			2x500MVA, 400/220kV	211	300	Renew Tej Shakti Pvt. Ltd. (RTSPL) (180MW+69MW+51MW)			211	0						
							300					0							
17	765/400/220kV Solapur (PG) (existing S/s)#	17° 36' 31.21" N, 76°2' 59.98"E	WR			2x1500 MVA, 765/400 kV; 2x315 MVA, 400/220 kV; 1x500 MVA 400/220 kV		0		406	258	Renew Green Energy Solutions Pvt. Ltd. (RGESL) (100MW+32MW+76MW+50MW*)			406	1842	15	1	\$ Transmission system strengthening is required to be carried out in case of injection of power at 220kV level. *Agreed for Grant
							0			258		0		1842					
18	400/230 kV Tuticorin-II S/s	9°3'02.1" N 77°55'31.6"E	SR	3x500 MVA, 400/230 kV		2x500MVA, 400/230kV	222	300	Mytrah Energy (India) Private Limited				222	0			0	2	No 230kV line bay is available for allocation for grant of Connectivity. However, margins available in the already allocated line bays may be utilized for grant of Connectivity.
							223					223							
							205	249.9	Green Infra Renewable Energy Limited			205	50.1						
							221	200	Orange Sironj Wind Power Pvt. Ltd.			221	100						
							220	250.2	Betam Wind Energy Private Limited			220	49.8						
							207	150	GRT Jewellers (India) Pvt Ltd			207	150						
							211	230	NTPC			211	70						
							215	540	JSW Renew Energy Limited			215	60						
							216					216							
							210	300	JSW Future Energy Ltd			210	0						
							2220.1		0		479.9	0							
19	400/230 kV Pugalur S/s	10°57'42"N 77°55'22"E	SR			2x315 MVA, 400/230 kV 1x500 MVA, 400/230 kV	210	300	Sprng Renewable Energy Private Limited			210	0			1	0		
							300		0		0								
20	400/220 kV Palakkad S/s	10°46'22"N 76°45'36"E	SR			2x315 MVA, 400/220 kV 1x500 MVA, 400/220 kV										1	0		
							0		0		0								
21	400/220 kV NP Kunta S/s	14° 2'53.18"N, 78°25'43.01"E	SR	4x500 MVA, 400/220 kV			1	1500	Andhra pradesh Solar Power Corporation Ltd.				1				1	2	
							2						2						
							3						3						
							4						4						
							5						5						
							6						6						
							7						7						
							8						8						
							9						9						
							10						10						
							11						11						
							12						12						
							1500		0		0								

Sl. No.	Name of Substation	Substation Coordinates	Region	Transformation Capacity (MVA)			RE Capacity Granted (Stage-II Connectivity)						Margin on Existing / Under Implementation Transmission System				Space Provision for Future Additional Line Bays (No.) for Injection		Remarks
				Planned	Existing	Under Implementation	220kV			400kV			220kV		400kV		220kV	400kV	
							Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Bay-wise Margins Available (MW)	Bay No.	Bay-wise Margins Available (MW)			
22	400/220 kV Pavagada S/s	14.318579N 77.385479E	SR		5x500 MVA, 400/220 kV	1x500 MVA, 400/220 kV	1	2050	Karnataka Solar Power Development Corporation Ltd.				1	0			0	0	Pavagada PS has been closed for all purpose regarding grant of Connectivity through new bay to potential RE projects.
							2					2							
							3					3							
							4					4							
							5					5							
							6					6							
							7					7							
							8					8							
							218	300	Project Ten Renewable Power Private Limited	218									
							221	200	Solar Energy Corporation of India Ltd	221									
								3050					0						
23	400/220 kV Hiriyur S/s	13°57'12.33"N 76°32'11.40"E	SR		2x315 MVA, 400/220 kV	1x500 MVA, 400/220 kV	215	300	ReNew Power Limited				215	0		0	0		
							216	175	Boreas Renewable Energy Pvt Ltd				216	59					
								66	Zenataris Renewable Energy Pvt Ltd										
								541					59						
24	765/400 kV Kurnool(new) S/s	15°40'28.6" N 78°10'35.23" E	SR		2x1500 MVA, 765/400 kV					409	900	Greenko AP01 IREP Pvt. Ltd			409	0	NA	2	
										412	565	Greenko AP01 IREP Pvt. Ltd			412	75			
											260	Greenko AP01 IREP Pvt. Ltd							
								0					1725						
25	400/220 kV Koppal S/s	15°21'55.49"N 75°59'24.61"E	SR		-	5x500 MVA, 400/220 kV	201	300	ReNew Surya Ojas Private Limited				201	0		0		Koppal PS has been closed for all purpose regarding grant of Connectivity through new bay to potential RE projects. *Agreed for grant	
							204	300	Ayana Renewable power Six Pvt Ltd				204	0					
							203	300	Adani Renewable Energy Holding Fifteen Ltd				203	0					
							202	300	Renew Solar Power Pvt. Ltd.				202	0					
							205	115	Tunga Renewable Energy Pvt Ltd				205	0					
								189.93	Tunga Renewable Energy Pvt Ltd										
								45.07	Tunga Renewable Energy Pvt Ltd										
							215	150	Project Ten Renewable Power Private Limited				215	0					
								153.6	Kleio Solar Power Private Limited*										
							216	300	Project Eight Renewable Power Private Limited				216	0					
							220	300	SolarOne Energy Private Limited				220	0					
217	210	Serentica Renewables India 1 Private Limited				217	0												
	90	Serentica Renewables India 1 Private Limited																	
								2753.6					0						
26	400/230 kV Karur S/s	10°50'34.10"N 77°39'32.91"E	SR		-	5x500 MVA, 400/230 kV	201	270	JSW Renew Energy Limited				201	30	7				
							202	150	JSW Future Energy Ltd				202	150					
								420					180						
27	400/220 kV Gadag S/s	Boundary coordinates 15°47'13.673"N , 75°51'35.001" E 15°47'13.207" N, 75°51'22.707" E 15°46'58.257" N, 75°51'20.956" E 15°46'57.085" N, 75°51'34.122" E	SR		-	5x500 MVA, 400/220 kV	203	160	Vena Energy Vidyuth Private Limited (VEVPL) (160MW)				203	0	0		Gadag PS has been closed for all purpose regarding grant of Connectivity through new bay to potential RE projects. *Agreed for grant		
								140	Halvad Renewables Pvt. Ltd.*										
							204	300	Renew Solar Power Pvt. Ltd.				204	0					
							201	170	Azure Power India Private Ltd (120 MW + 50 MW)				201	130					
							202	350	Green Infra Wind Energy Ltd (GIWEL) (180 MW + 120 MW + 50 MW)				202	0					
							216	285	Serentica Renewable India Pvt. Ltd. (165MW + 120 MW)				216	15					
							213	300	Renew Naveen Urja Pvt. Ltd				213	0					
							215	300	Project Eight Renewable Power Private Limited				215	0					
								217	300	SolarOne Energy Private Limited			217	0					
								2305					145						

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				Planned	Existing	Under Implementation	220kV			400kV			220kV		400kV		220kV	400kV							
							Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Stage-II Quantum (MW)	Name of Entity	Bay No.	Bay-wise Margins Available (MW)	Bay No.	Bay-wise Margins Available (MW)									
35	765/400/220kV Bhadla-II PS #	Boundary Coordinates Point1:- 27.5047695, 72.4764157 Point2:- 27.5103991, 72.4844684 Point3:- 27.5160828, 72.4792790 Point4:- 27.5109950, 72.4713292	NR	1x1500MVA, 765/400kV	2x1500MVA, 765/400kV 3x500MVA, 400/220kV	2x1500MVA, 765/400kV 5x500MVA, 400/220kV	202	925	Rajasthan Solar Park Development Company Ltd.	441	550	NTPC Ltd.(250+300)	202	0	441	0	0	0	No more connectivity can be accommodated due to technical limitation at Bhadla-II PS.						
							203			412			1000		Azure Power India Private Limited (500+500)					203	412	0			
							205			415			500		Adani Renewable Energy Holding Four Ltd. (erstwhile Adani Green Energy Four Ltd.)					205	415	0			
							206													206					
							208			250			Mahindra Susten Pvt. Ltd.							208	0				
							209			300			ABC Solar (India) Private Limited (erstwhile TBEA Solar (India) Pvt Ltd.)							209	0				
							218			300			ACME Solar Holdings Pvt. Ltd. (erstwhile ACME Solar Holdings Ltd)							218	0				
							219			300			NTPC Ltd.							219	0				
							221			300			Eden Renewable Alma Private Limited							221	0				
							A202			600			SBE Renewables Fifteen Private Limited							A202	0				
							A203													A203					
							A205			300			AMP Energy Green Private Limited (100MW+ 100MW+100MW)							A205	0				
							A206			320			Avaada Energy Pvt. Ltd.							A206	0				
							A209			300			Solarpack Corporacion Technologica S.A.							A209	0				
				3895				2050			0		0												
36	765/400/220kV Fatehgarh-II PS #	Boundary Coordinates Point1:- N 26°42'13.3884", E 71°16'48.936" Point2:- N 26°42'13.5936", E 71°16'19.9956" Point3:- N 26°42'45.9396", E 71°16'19.8588" Point4:- N 26°42'45.6912", E 71°16'48.666"	NR	2x500MVA, 400/220kV	4x1500MVA, 765/400kV 5x500MVA, 400/220kV	2x1500MVA, 765/400kV 4x500MVA, 400/220kV	211	390	Adani Renewable Energy Holding One Ltd. (erstwhile Mahoba Solar (UP) Pvt. Ltd.)	432	500	Azure Power India Pvt. Ltd.	211	0	432	0	0	0	Due to space constraint of ICT additions at Fatehgarh-II PS no more connectivity can be granted.						
							212								212										
							218			300			ReNew Solar Energy (Jharkhand Four) Pvt. Ltd.							218	0				
							203			300			Eden Renewable Cite Pvt. Ltd							203	0				
							221			300			ReNew Solar Energy (Jharkhand Four) Pvt. Ltd.							221	0				
							220			300			ReNew Solar Energy (Jharkhand Three) Private Limited							220	0				
							209			300			Adani Hybrid Energy Jaisalmer Two Ltd. (erstwhile Adani Green Energy Seven Limited)							209	0				
							210			300			Adani Hybrid Energy Jaisalmer Three Ltd. (erstwhile Adani Green Energy Nine Limited)							210	0				
							A220			450			SBE Renewables Ten Private Limited							A220	0				
							A221													A221					
							202			300			Renew Solar Urja Private Limited							202	0				
							A222			240			NTPC Ltd. (150MW+90MW)							A222	0				
							A205			500			Adani Renewable Energy Park Rajasthan Limited							A205	0				
							A206													A206					
							A209			500			Adani Renewable Energy Holding Four Ltd. (erstwhile Adani Green Energy Four Limited)							A209	0				
							A210													A210					
							A218			180			SBE Renewables Sixteen Private Limited							A218	0				
							A203			300			Eden Renewable Passy Private Limited							A203	0				
							A202			300			Eden Renewable Bercy Private Limited							A202	0				
				4960				500			0		0												
37	765/400/220kV Fatehgarh-III PS #	26°21' 00" N, 71°06' 00" E	NR	6x1500MVA, 765/400kV 5x500MVA, 400/220kV (Section-2)	-	4x500MVA, 400/220kV (Section-1)	201	300	Renew Surya Vihaan Private Limited (200+100)	1	600	Azure Power India Pvt. Ltd. (500MW + 100MW)	201	0	1	300	0	0	Margins are available on Section-II only as indicated.						
							202			400			Renew Surya Roshni Private Limited		2					900	Adani Renewable Energy Holding Four Ltd. (erstwhile Adani Green Energy Four Limited)	202	0	2	0
							204			380			Altra Xergi Power Private Limited		3					1000	Azure Power India Pvt. Ltd.(500MW+500MW)	204	0	3	0
							206			600			SBE Renewables Seventeen Private Limited		4					1000	Azure Power India Pvt. Ltd.(500MW+500MW)	206	0	4	0
							208													208					
							210			300			ReNew Surya Aayan Private Limited							210	0				
							212			600			Adani Renewable Energy Holding Four Ltd. (erstwhile Adani Green Energy Four Limited)							212	0				
							1													1					
							2			300			IB VOGT Solar Seven Private Limited							2	0				
							3			420			ReNew Surya Jyoti Private Limited (210MW),ReNew Surya Pratap Private Limited(210MW)							3	0				
							4			400			ABC Renewable Energy Private Limited							4	0				
							5			400			XL Xergi Power Pvt. Ltd.							5	0				
							6			205			Enregizent Power Private Limited (125MW+80MW)							6	95				
				4305				3500			95		300												

