

Substation wise details of Solar/Non Solar Connectivity and Margins for RE

(Date: 01.10.2026)

All Fig in MW (considering agreed/granted applications till Jul'26)

Substation	Region	State	Potential (MW)	Connectivity granted/agreed				Balance Margins at Substation				Under process applications till Jun'26		
				Solar Hours injection (MW)	Non- Solar Hours injection (MW)	220 kV bays allocated (Nos.)	400 kV bays allocated (Nos.)	Solar Hour Access (MW)	Non-Solar Hour Access (MW)	Spare bays / Space Provision for Future 220 kV bays (Nos.)	Spare bays / Space Provision for Future 400 kV bays (Nos.)	Solar Component under 4.1 (MW)	Non-Solar Component under 4.1	Total Non-solar access under process (Reg. 4.1, 5.2, 5.11a & 9.3) (MW)
Bhadla PS	NR	Rajasthan	35600	3580	750	14	0	0	2830	0	0	0	0	5525
Bhadla-II	NR	Rajasthan		5945	3403	14	3	0	2542	0	0	0	0	2175
Bhadla-III	NR	Rajasthan		6500	5010	14	2	0	1490	0	1	0	900	2750
Bhadla-IV (System yet to be identified)	NR	Rajasthan		5825	104.5	1	7	NA	NA	NA	NA	9319	2232	12027
Bhadla-V (System yet to be identified)	NR	Rajasthan		4400	180	3	4	NA	NA	NA	NA			
Fatehgarh PS	NR	Rajasthan	44700	2200	2060	0	2	0	140	0	0	0	0	490
Fatehgarh-II	NR	Rajasthan		5460	3010.3	17	1	0	2449.7	2	0	0	0	2851
Fatehgarh-III (Sec-I)	NR	Rajasthan		1980	1123	8	0	0	857	0	0	0	0	1000
Fatehgarh-III (Sec-II)	NR	Rajasthan		5610	4160	6	4	0	1450	0	0	0	0	1100
Fatehgarh-IV (Sec-I)	NR	Rajasthan		1645	1257	5	0	380	768	1	0	0	0	299
Fatehgarh-IV (Sec-II)	NR	Rajasthan		4980	3410	11	2	0	1570	0	0	0	0	1500
Barmer-I	NR	Rajasthan	24700	4000	2680	13	0	0	1320	0	0	150	50	1255
Barmer-II*	NR	Rajasthan		5892	1195	7	4	108	4805	3	0	0	0	3657
Barmer-III (System yet to be identified)	NR	Rajasthan		5911.5	1380.25	8	4	NA	NA	NA	NA	4520	1305	8530
Barmer-IV (System yet to be identified)	NR	Rajasthan		1623.33	70	0	0	NA	NA	NA	NA			
Bikaner	NR	Rajasthan	42000	4105	500	4	4	70	3675	0	0	200	75	4075
Bikaner-II	NR	Rajasthan		5360	1925	14	1	100	3535	0	0	50	0	3945
Bikaner-III	NR	Rajasthan		4667	2957.5	6	3	0	1709.5	7	1	200	100	2250
Bikaner-IV	NR	Rajasthan		6000	3775	11	3	0	2225	0	0	0	0	1743
Bikaner-V	NR	Rajasthan		5980	0	11	2	20	6000	3	5	20	0	3825
Bikaner-VI (System yet to be identified)	NR	Rajasthan		300	0	1	0	NA	NA	NA	NA	7735	2310	2910
Sirohi	NR	Rajasthan	3000	2096	1400	5	1	4	700	5	3	0	0	0
Sanchore PS (System yet to be identified)	NR	Rajasthan	5500	850	400	3	0	NA	2600	NA	NA	4220	2525.4	3725.4

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Jalore PS (System yet to be identified)	NR	Rajasthan	6700	2150	250	4	1	NA	NA	NA	NA	0	0	1000
Merta-II	NR	Rajasthan	2000	2100	1680	8	0	0	420	2	2	0	0	300
Merta-III (System yet to be identified)	NR	Rajasthan		300	0	1	0	NA	NA	NA	NA	1000	750	1000
Pali (System yet to be identified)	NR	Rajasthan	3000	900	0	3	0	NA	3000	NA	NA	2005	600	1500
Ramgarh	NR	Rajasthan	23900	3984	2200	4	3	0	1784	6	0	0	0	5784
Ramgarh-II (System yet to be identified)	NR	Rajasthan		4747	1447	5	3	NA	NA	NA	NA	18292.33	3935	8395
Ramgarh-III (System yet to be identified)	NR	Rajasthan		630	580	0	0	NA	NA	NA	NA			
Subtotal (Rajasthan)			226000	109720.83	46907.55	201	54	682	45870.2	29	12	47711.33	14782.4	83611.4
Orai(GIS) S/s	NR	UP		1200	800	0	1	0	400	0	0	0	0	0
Subtotal (NR)			226000	110921	47708	201	55	682	46270	29	12	47711	14782	83611
NP Kunta PS	SR	AP	1500	1900	50	14	0	100	1950	1	2	300	600	700
Anantapur PS	SR	AP	3500	4029	3733	5	3	226	522	11	3	250	250	250
Anantapur-II PS	SR	AP	20000	7069.7	6369.5	18	3	430.3	1130.5	8	9	180	180	180
Anantapur-III PS	SR	AP		2750	1400	8	0	250	1600	17	11	6360.3	3360.3	4140.3
Kurnool (new)	SR	AP		1889	1994	0	3	0	0	0	1	13.5	13.5	13.5
Kurnool-III PS	SR	AP		5350	7107	9	8	400	0	17	4	0	200	800
Kurnool-IV PS	SR	AP		7420	5315	17	3	80	2185	9	9	0	0	600
Krishnagiri PS	SR	AP		4196.3	3196.3	12	1	303.7	1303.7	13	11	3850	3350	3600
Kadappa-II	SR	AP	8000	300	150	1	0	2700	2850	24	12	6032	4410	4760
Subtotal (AP)			89500	34904	29314.8	84	21	4490	11541.2	100	62	16985.8	12363.8	15043.8
Koppal PS	SR	Karnataka	2500	2453.51	1701.01	8	0	299.49	1051.99	1	0	900	900	900
Gadag PS	SR	Karnataka	2500	1892.5	1592.5	7	0	492.5	792.5	1	0	440.3	370.3	370.3
Koppal-II PS	SR	Karnataka	4000	2897	2434.5	11	0	1278	1740.5	2	6	1830	1830	1830
Gadag-II PS	SR	Karnataka	4000	3922	4633	11	3	454	0	1	1	639	559	559

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				Solar Hours injection (MW)	Non- Solar Hours injection (MW)	220 kV bays allocated (Nos.)	400 kV bays allocated (Nos.)	Solar Hour Access (MW)	Non-Solar Hour Access (MW)	Spare bays / Space Provision for Future 220 kV bays (Nos.)	Spare bays / Space Provision for Future 400 kV bays (Nos.)	Solar Component under 4.1 (MW)	Non-Solar Component under 4.1	Total Non-solar access under process (Reg. 4.1, 5.2, 5.11a & 9.3) (MW)
Bidar PS	SR	Karnataka	2500	3250	2002.2	12	0	250	1497.8	6	10	1630	397	1797
Davangere PS	SR	Karnataka	5250	4750	3825	13	1	0	925	4	7	110	110	210
Bellary PS	SR	Karnataka	4250	4250	2480	15	0	0	1770	3	6	0	0	0
Bijapur PS	SR	Karnataka	3500	1962.4	1962.4	7	0	37.6	37.6	11	6	4605.8	4104.8	4104.8
Pavagada PS	SR	Karnataka	2000	4500	875	17	0	0	3625	1	0	120	120	420
Tumkur-II PS	SR	Karnataka	4200	4400	2700	15	0	0	1700	3	6	2090	1265	1565
Hiriyur	SR	Karnataka	0	600.3	600.3	2	0	0	0	0	0	0	0	0
Subtotal (Karnataka)			34700	34877.71	24805.91	118	4	2811.59	13140.39	33	42	12365.1	9656.1	11756.1
Pugalur	SR	Tamil Nadu	0	655	655	2	0	0	0	0	0	0	0	0
Karur PS	SR	Tamil Nadu	2500	2176.1	2176.1	7	0	323.9	323.9	1	1	0	0	0
Tuticorin-II PS	SR	Tamil Nadu	2500	2824.1	2094.1	12	0	175.9	905.9	0	2	0	0	0
Subtotal (Tamil Nadu)			10000	5655.2	4925.2	21	0	499.8	1229.8	1	3	0	0	0
Subtotal (SR)			134200	75437	59046	223	25	7801	25911	134	107	29351	22020	26800
Bhachau S/s	WR	Gujarat	0	650	650	4	0	0	0	0	0	0	0	0
Bhuj PS	WR	Gujarat	5920	4328	3278	16	0	172	1222	0	4	0	0	150
Bhuj-II PS (220 kV Bus Section-I)	WR	Gujarat		1848.5	1128.5	6	0	300	1020	1	4	300	300	300
Bhuj-II PS (220 kV Bus Section-II)	WR	Gujarat		1351.5	631.5	5	0	500	1220	3	4	2785	2150	2150
Jam Khambhaliya PS	WR	Gujarat	13550	3899.11	3660.81	10	1	100.89	339.19	0	0	0	0	0
Kalyanpur PS (400 kV Bus Section-I)	WR	Gujarat		2514.2	2364.2	6	1	335.8	485.8	3	4	0	0	0
Kalyanpur PS (400 kV Bus Section-II)	WR	Gujarat		1200	1000	4	0	450	650	5	8	450	450	450
Jamnagar S/s	WR	Gujarat	42000	1000	581	3	0	0	419	12	8	456	256	326
KPS-1 (400 kV Bus Section-I)	WR	Gujarat		4550	1050	0	4	0	3500	4	0	0	0	0
KPS-1 (400 kV Bus Section-II)	WR	Gujarat		5950	5011.2	0	5	0	938.8	4	0	0	0	2190
KPS-2 (400 kV Bus Section-I)	WR	Gujarat		5159	1272	0	5	0	3887	2	0	0	0	0
KPS-2 (400 kV Bus Section-II)	WR	Gujarat		4091	0	0	3	0	4091	2	1	0	0	2450
KPS-3 (400 kV Bus Section-I)	WR	Gujarat		4600	4486.4	0	4	0	113.6	2	0	0	0	0
KPS-3 (400 kV Bus Section-II)	WR	Gujarat		5140	4314.2	0	5	0	825.8	2	0	0	0	0

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KPS-4 (400 kV Bus Section-I) (system yet to be identified)	WR	Gujarat	11000	2500	0	0	2	0	2500	4	3	0	0	1950
KPS-4 (400 kV Bus Section-II) (system yet to be identified)	WR	Gujarat		1250	0	0	1	0	1250	4	4	20700	0	8600
Lakadia-II PS (400 kV Bus Section-I)	WR	Gujarat		3879.1	1043.8	7	2	0	2835.3	2	5	0	0	4200
Lakadia-II PS (400 kV Bus Section-II)	WR	Gujarat		3320.9	2170.9	8	1	300	1450	1	6	1145	795	2955
Lakadia PS	WR	Gujarat	3000	3348	1948.8	11	0	152	1551.2	1	2	0	0	855
Navinal (Mundra) GIS PS	WR	Gujarat		300	300	1	0	0	0	9	2	800	200	200
Radhanesda PS	WR	Gujarat		1250	332.64	5	0	0	917.36	7	3	0	0	0
Raghanesda PS	WR	Gujarat		3450	2550	2	4	50	950	8	8	7062	500	3900
Others (Amreli, Bhavnagar , Junagarh, Rajkot, Halvad, Offshore) (system yet to be identified)	WR	Gujarat	20740	0	0	0	0	0	0			2120	1870	1870
Subtotal (Gujarat)			96210	65579.31	37773.95	88	38	2360.69	30166.05	76	66	35818	6521	32546
Dhule PS (220 kV Bus Section-I)	WR	Maharashtra	4500	1034	689	4	0	180	525	4	4	180	0	0
Dhule PS (220 kV Bus Section-II)	WR	Maharashtra		762	642	3	0	0	120	6	4	1545	116	116
Parli (New)	WR	Maharashtra	5000	180	180	0	0	820	820	0	2	162	162	162
Parli PG SS	WR	Maharashtra		0	0	0	0	300	300	1	0	150	150	150
Kallam PS	WR	Maharashtra		2421.9	2421.9	6	1	778.1	778.1	1	0	300	300	300
Solapur PG	WR	Maharashtra		1998.6	1498.6	0	1	1.4	501.4	0	0	0	0	0
Solapur PS (400 kV Bus Section-I)	WR	Maharashtra	10500	1450	1250.9	5	0	0	199.1	1	2	0	0	0
Solapur PS (400 kV Bus Section-II)	WR	Maharashtra		1490	655	4	1	510	1345	2	1	2257	1294	2019
Others (Nagpur)	WR	Maharashtra		0	0	0	0	0	0	0	0	1200	0	1200
Subtotal (Maharashtra)			20000	9337	7337	22	3	2590	4589	15	13	5794	2022	2747

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Rajgarh SS (220 kV Bus Section-I)	WR	Madhya Pradesh	4000	256.24	256.24	1	0	42	42	0	0	0	0	0
Rajgarh SS (220 kV Bus Section-II)	WR	Madhya Pradesh		593.6	593.6	2	0	356.4	356.4	1	0	0	0	0
Indore (PG)	WR	Madhya Pradesh	0	924.4	924.4	1	1	550.6	550.6	1	0	300	300	300
Khandwa (PG) S/s	WR	Madhya Pradesh	0	300	0	1	0	0	300	0	0	300	0	0
Rewa PS	WR	Madhya Pradesh	0	750	0	6	0	0	750	-6	0	0	0	0
Ishanagar PS	WR	Madhya Pradesh	5000	1280	650	0	2	0	630	12	0	300	0	0
Morena PS	WR	Madhya Pradesh	6300	850	925	3	2	1650	1575	13	4	1450	0	250
Mandsaur PS (400 kV Bus Section-I)	WR	Madhya Pradesh	9000	2998	3066	9	3	0	0	3	1	30	0	0
Mandsaur PS (400 kV Bus Section-II)	WR	Madhya Pradesh		1500	1450	1	0	1500	1550	5	2	3634.4	1444.4	1544.4
Neemuch PS	WR	Madhya Pradesh	2000	1770	300	7	0	230	1700	5	2	350	0	0
Pachora PS (220 kV Bus Section-I)	WR	Madhya Pradesh	9000	1444.2	444.2	6	0	30.8	1030.8	0	0	0	0	0
Pachora PS (220 kV Bus Section-II)	WR	Madhya Pradesh		1062.8	762.8	4	0	304.2	604.2	1	0	350	350	350
Pachora PS (220 kV Bus Section-III)	WR	Madhya Pradesh		1158	808	4	0	0	350	0	0	381.3	381.3	381.3
Karera (system yet to be identified)	WR	Madhya Pradesh	2000			0	0					1100	150	150
Others (Kurawar, Sagar, Bhind, Damoh) (system yet to be identified)	WR	Madhya Pradesh	5500			0	0					600	150	150
Subtotal (Madhya Pradesh)			42800	14887.24	10180.24	45	8	4664	9439	35	9	8795.7	2775.7	3125.7
Raipur S/s	WR	Chhatisgarh	0	50	0	1	0	0	50	0	0	0	0	0
Subtotal (WR)			159010	89853	55292	156	49	9614	44244	126	88	50408	11319	38419
Total			519210	276211	162045	580	129	18098	116425	289	207	127470	48121	148830

*Note - 1. Due to grant of connectivity to PSPs near South Kalamb(WR), the entire 6000 MW non-solar hour access margin cannot be granted at Barmer-II. Applications under RoFR are on hold. The same shall be granted only upon identification of available margin after detailed studies

2. The Net margins indicated above may also include the margins which are to be made available for re-allocation to existing applicants in the same complex as per Procedure in respect of Regulation 11C of the GNA Regulations. Hence, the net margins at such substations may get exhausted partly or fully after such re-allocation exercise.