

ESTIMATED CAPACITY HANDLED BY RVPN TRANSMISSION SYSTEM (FY 2017-18)

S.No.	Particulars	Installed Capacity	Unallocated Quota	Aux. Cons.	Firm Allocation	Temp Allocation	Outside State Loss	Total Capacity	No. of Months/Year	Weighted Capacity
		(MW)	(MW)	(%)	(%)	(%)	(%)	(MW)	(No)	(MW)
A	NTPC / NLC									
1	Singhrouri TPS	2000	300	8.25%	15%	0.59%	3.12%	277.20	12	277.20
2	Rihand STPS	1000	150	9.00%	9.50%	0.59%	3.12%	88.98	12	88.98
3	Unchahar TPS -I	420	20	9.74%	4.76%	0.19%	3.12%	18.17	12	18.17
4	Unchahar TPS -II	420	63	9.74%	9.05%	0.59%	3.12%	35.41	12	35.41
5	Anta GTPS	419.33	63	3%	19.81%	0.59%	3.12%	80.40	12	80.40
6	Auria GTPS	663.36	99	3%	9.20%	0.59%	3.12%	61.03	12	61.03
7	Dadri GTPS	829.76	129	3%	9.28%	0.61%	3.12%	77.15	12	77.15
8	Rihand TPS Stage-II (Unit-1)	500	75	9%	10%	0.59%	3.12%	46.69	12	46.69
9	Rihand TPS Stage-II (Unit-2)	500	75	9%	10%	0.59%	3.12%	46.69	12	46.69
10	Kahal gaon TPS Stage-II (U-1)	500	75	9%	4.86%	0.59%	3.12%	24.03	12	24.03
11	Kahal gaon TPS Stage-II (U-2)	500	75	9%	4.86%	0.59%	3.12%	24.03	12	24.03
12	Kahal gaon TPS Stage-II (U-3)	500	75	9%	4.86%	0.59%	3.12%	24.03	12	24.03
13	Unchahar TPS Stage-III	210	31	9%	10.95%	0.58%	3.12%	21.36	12	21.36
14	E.R. (In lieu of Tala)									
	(i) Farakka TPS	1600	0	9%	0.69%	0.00%	3.12%	9.73	12	9.73
	(ii) Kahalgaoon TPS - I	840	0	9%	3.04%	0.00%	3.12%	22.52	12	22.52
	(iii) Kahalgaoon TPS -II	1500	0	9%	2.24%	0.00%	3.12%	29.62	12	29.62
15	Barsingsar TPS (NLC) (Unit-1)	125	0	9%	100%	0.00%	0.00%	113.75	12	113.75
16	Barsingsar TPS (NLC) (Unit-2)	125	0	9%	100%	0.00%	0.00%	113.75	12	113.75
17	Rihand TPS Stage-III Unit-5 (1x500)	500	75	9%	11.52%	0.59%	3.12%	53.41	12	53.41
18	Entitlements of equivalent capacity from NTPC Stations for bundling with Solar PV Power	310	0	0%	100%	0.00%	3.12%	300.33	12	300.33
19	Entitlements of equivalent capacity from NTPC Stations for bundling with Solar PV Power	100	0	0%	100%	0.00%	3.12%	96.88	6	48.44
20	Entitlements of equivalent capacity from NTPC Stations for bundling with Solar PV Power	250	0	0%	100%	0.00%	3.12%	242.20	6	121.10
21	Koldam (4x200 MW) (Hydro)	800	0	0.50%	10.72%	0.00%	3.12%	82.64	12	82.64
	TOTAL A							1890.01		1720.47
B	NHPC/NJPC/THDC									
1	Tanakpur HEP	94.2	0	0.50%	11.53%	0.00%	3.12%	10.47	12	10.47
2	Salal HEP	690	0	0.50%	2.95%	0.00%	3.12%	19.62	12	19.62
3	Chamera HEP -I	540	0	0.50%	19.60%	0.00%	3.12%	102.03	12	102.03
4	Chamera HEP -II	300	54	0.50%	9.67%	0.71%	3.12%	30.02	12	30.02
5	Uri HEP	480	0	0.50%	8.96%	0.00%	3.12%	41.46	12	41.46
6	Dhauri Ganga HEP	280	42	0.50%	9.65%	0.59%	3.12%	27.65	12	27.65
7	Nathpa Jakhri HEP (NJPC)	1500	149	0.50%	7.47%	0.39%	3.12%	113.68	12	113.68
8	Dulhasti HEP	390	59	0.50%	10.88%	0.59%	3.12%	43.12	12	43.12
9	Tehri HEP -I (THDC)	1000	99	0.50%	7.50%	0.39%	3.12%	76.07	12	76.07
10	Tala HEP	1020	0	0.50%	0.00%	0.00%	3.12%	0.00	12	0.00
11	Sewa HEP Stage-II (3x40 MW)	120	18	0.50%	10.84%	0.59%	3.12%	13.22	12	13.22
12	Koteshwar HEP (1x100 MW) (Unit-1)	100	9.9	0.50%	8.36%	0.39%	3.12%	8.43	12	8.43
13	Koteshwar HEP (1x100 MW) (Unit-2)	100	9.9	0.50%	8.36%	0.39%	3.12%	8.43	12	8.43
14	Koteshwar HEP (1x100 MW)(Unit-3)	100	9.9	0.50%	8.36%	0.39%	3.12%	8.43	12	8.43
15	Koteshwar HEP (1x100 MW) (Unit-4)	100	9.9	0.50%	8.36%	0.39%	3.12%	8.43	12	8.43
16	Chamera HEP -Stage-III (Unit-1)	77	11.55	0.50%	10.91%	0.59%	3.12%	8.54	12	8.54
17	Chamera HEP -Stage-III (Unit-2)	77	11.55	0.50%	10.91%	0.59%	3.12%	8.54	12	8.54
18	Chamera HEP -Stage-III(Unit-3)	77	11.55	0.50%	10.91%	0.59%	3.12%	8.54	12	8.54
19	Uri HEP Stage -II (Unit-1&2)(2x60 MW)	120	18	0.50%	11.41%	0.59%	3.12%	13.88	12	13.88
20	Uri HEP Stage -II (Unit-3 & 4)(2x60 MW)	120	9	0.50%	11.41%	0.30%	3.12%	13.54	12	13.54
21	Parbati HEP Stage -III (Unit-1 to 4)(4x130 MW)	520	78	0.50%	10.91%	0.59%	3.12%	57.66	12	57.66
22	Rampur HEP (Unit-1 to 6)(6x68.67 MW)	412.02	37.66	0.50%	7.72%	0.36%	3.12%	32.10	12	32.10
	TOTAL B							653.84		653.84

S.No.	Particulars	Installed Capacity	Unallocated Quota	Aux. Cons.	Firm Allocation	Temp Allocation	Outside State Loss	Total Capacity	No. of Months/Year	Weighted Capacity
		(MW)	(MW)	(%)	(%)	(%)	(%)	(MW)	(No)	(MW)
C NPC										
1	RAPP-I	100	0	10%	0%	0.00%	0.00%	0.00	12	0.00
2	RAPP-II	200	0	10%	100%	0.00%	0.00%	180.00	12	180.00
3	RAPP-III	220	33	10%	28.41%	1.12%	3.12%	56.64	12	56.64
4	RAPP-IV	220	33	10%	28.41%	1.12%	3.12%	56.64	12	56.64
5	RAPP-V	220	53.5	10%	19.94%	0.96%	3.12%	40.09	12	40.09
6	RAPP-VI	220	53.5	10%	19.94%	0.96%	3.12%	40.09	12	40.09
7	NAPP- U-I	220	32	10%	10%	0.57%	3.12%	20.28	12	20.28
8	NAPP-U-II	220	32	10%	10%	0.57%	3.12%	20.28	12	20.28
	TOTAL C							414.04		414.04
D RVUN										
1	Kota STPS(110MW)	110	0	9.50%	100%	0.00%	0%	99.55	12	99.55
2	Kota STPS(110MW)	110	0	9.50%	100%	0.00%	0%	99.55	12	99.55
3	Kota STPS(210MW)	210	0	9.50%	100%	0.00%	0%	190.05	12	190.05
4	Kota STPS(210MW)	210	0	9.50%	100%	0.00%	0%	190.05	12	190.05
5	Kota STPS(210MW)	210	0	9.50%	100%	0.00%	0%	190.05	12	190.05
6	Kota STPS(195MW)	195	0	9.50%	100%	0.00%	0%	176.48	12	176.48
8	Suratgarh TPS (250 MW)	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
9	Suratgarh TPS (250 MW)	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
10	Suratgarh TPS (250 MW)	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
11	Suratgarh TPS (250 MW)	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
12	Suratgarh TPS (250 MW)	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
13	Ramgarh GTPP STAGE-I,II &III	113.5	0	4.00%	100%	0.00%	0%	108.96	12	108.96
14	Giral TPS Stage-I	125	0	9.65%	100%	0.00%	0%	112.94	12	112.94
15	Dholpur GTPP (Unit - 1)	110	0	3.18%	100%	0.00%	0%	106.50	12	106.50
16	Dholpur GTPP (Unit - 2)	110	0	3.18%	100%	0.00%	0%	106.50	12	106.50
17	Dholpur GTPP- (Unit-3)	110	0	3.18%	100%	0.00%	0%	106.50	12	106.50
18	Giral TPS Stage-I Unit-2	125	0	9.65%	100%	0.00%	0%	112.94	12	112.94
19	STPS, Unit-6	250	0	9.13%	100%	0.00%	0%	227.18	12	227.18
20	STPS, Unit-7	660	0	9.13%	100%	0.00%	0%	599.74	11	549.76
21	STPS, Unit-8	660	0	9.13%	100%	0.00%	0%	599.74	7	349.85
22	KTPS Stage-V, Unit-7	195	0	9.50%	100%	0.00%	0%	176.48	12	176.48
23	Chhabra TPS (Unit-1)	250	0	9.50%	100%	0.00%	0%	226.25	12	226.25
24	Chhabra TPS (Unit-2)	250	0	9.50%	100%	0.00%	0%	226.25	12	226.25
25	Mahi Hydel PH-I	50	0	0.70%	100%	0.00%	0%	49.65	12	49.65
26	Mahi Hydel PH-II	90	0	0.70%	100%	0.00%	0%	89.37	12	89.37
27	MMH	23.85	0	0.70%	100%	0.00%	0%	23.68	12	23.68
28	Ramgarh Combined Cycle Gas TPS Stage-IV unit -1(1x110 MW)	110	0	4.00%	100%	0.00%	0%	105.60	12	105.60
29	Chhabra TPS (Unit-3)	250	0	9.50%	100%	0.00%	0%	226.25	12	226.25
30	Ramgarh Combined Cycle Gas TPS Stage-IV unit-2 (1x50 MW)	50	0	4.00%	100%	0.00%	0%	48.00	12	48.00
31	Kalisindh TPS (Unit-1) (1x600 MW)	600	0	9.50%	100%	0.00%	0%	543.00	12	543.00
32	Chhabra TPS (Unit-4)	250	0	9.50%	100%	0.00%	0%	226.25	12	226.25
33	Kalisindh TPS (Unit-2) (1x600 MW)	600	0	9.50%	100%	0.00%	0%	543.00	12	543.00
34	Chhabra TPS (Unit-5)(Feb-17)	660	0	9.50%	100%	0.00%	0%	597.30	12	597.30
	TOTAL D							7243.68		6943.81
E PARTNERSHIP PROJECTS										
1	BBMB-Bhakra	1516.3	0	2%	15.22%	0.00%	3.12%	219.11	12	219.11
2	BBMB-Dehar	990	0	2%	20%	0.00%	3.12%	187.99	12	187.99
3	BBMB-Pong	396	0	2%	58.50%	0.00%	3.12%	219.94	12	219.94
4	Chambal Complex	386	0	2%	50%	0.00%	0.00%	189.14	12	189.14
5	Satpura TPS	250	0	10%	0%	0.00%	3.12%	0.00	12	0.00
6	Upgrading of Bhakhara Left Bank of BBMB	13.65	0	0.70%	100%	0.00%	0%	13.55	6	6.78
	TOTAL E							829.73		822.96

S.No.	Particulars	Installed Capacity	Unallocated Quota	Aux. Cons.	Firm Allocation	Temp Allocation	Outside State Loss	Total Capacity	No. of Months/Year	Weighted Capacity
		(MW)	(MW)	(%)	(%)	(%)	(%)	(MW)	(No)	(MW)
F	NES power stations									
1	Wind Farms	4073.00	0	0%	100%	0.00%	0%	4073.00	12	4073.00
2	Biomass	101.95	0	0%	100%	0.00%	0%	101.95	12	101.95
3	Solar	740	0	0%	100%	0.00%	0%	740.00	12	740.00
4	Biomass & Solar(900), Wind(200)	1100	0	0%	100%	0.00%	0%	1100.00	6	550.00
	TOTAL F							6014.95		5464.95
G	Private sector projects									
1	M/s Raj West Power Ltd. (1x135 MW) (U-1)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
2	M/s Raj West Power Ltd. (1x135 MW) (U-2)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
3	M/s Raj West Power Ltd. (1x135 MW) (U-3)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
4	M/s Raj West Power Ltd. (1x135 MW) (U-4)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
5	UMPP Mundra Unit-1 (1x760 MW)	800	0	9%	9.50%	0.00%	3.12%	67.00	12	67.00
6	M/s Raj West Power Ltd. (1x135 MW) (U-5)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
7	M/s Raj West Power Ltd. (1x135 MW) (U-6)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
8	M/s Raj West Power Ltd. (1x135 MW) (U-7)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
9	M/s Raj West Power Ltd. (1x135 MW) (U-8)	135	0	9%	100%	0.00%	0%	122.85	12	122.85
10	UMPP Mundra Unit-2 (1x760 MW)	800	0	9%	9.50%	0.00%	3.12%	67.00	12	67.00
11	UMPP Mundra Unit-3 (1x760 MW)	800	0	9%	9.50%	0.00%	3.12%	67.00	12	67.00
12	UMPP Mundra Unit-4 (1x760 MW)	800	0	9%	9.50%	0.00%	3.12%	67.00	12	67.00
13	UMPP Mundra Unit-5 (1x760 MW)	800	0	9%	9.50%	0.00%	3.12%	67.00	12	67.00
14	M/s Adani Power Ltd. (Kawai)Unit-1 (1x660 MW)	660	0	0%	90.9%	0.00%	0.00%	600	12	600
15	M/s Adani Power Ltd. (Kawai)Unit-2 (1x660 MW)	660	0	0%	90.9%	0.00%	0.00%	600	12	600
16	UMPP Sasan Unit-3 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
17	UMPP Sasan Unit-2 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
18	UMPP Sasan Unit-4 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
19	UMPP Sasan Unit-1 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
20	UMPP Sasan Unit-5 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
21	UMPP Sasan Unit-6 (1x660 MW)	660	0	9%	10%	0.00%	3.12%	58.19	12	58.19
22	Karcham Wangtoo(1000MW)	1000	0	0.50%	10.4%	0.00%	3.12%	100.25	12	100.25
23	Gurha TPS (70 MW)	0	0	9%	100%	0.00%	0%	0.00	0	0.00
24	Case-1	220	0	9%	100%	0.00%	0%	200.20	12	200.20
25	Teesta-III(600 MW)	600	0	0.50%	8.33%	0.00%	3.12%	48.18	12	48.18
26	Teesta-III(600 MW)	600	0	0.50%	8.33%	0.00%	3.12%	48.18	6	24.09
	TOTAL G							3263.62		3239.53
	OTHERS									
H	RFF	25	0	0%	100%	0.00%	0%	25.00	12	25.00
I	Purchase (Bilateral+Exchange)							0.00		175.82
J	GROSS TOTAL (A+B+C+D+E+F+G+H+I)							20334.87		19460.41
K	Less									
1	Common pool	37.96	0	0%	100%	0.00%	0%	37.96		37.96
2	MPSEB	177.53	0	0%	100%	0.00%	0%	177.53		177.53
	TOTAL L							215.49		215.49
	Net Transmission Capacity =Total (J)- (K)							20119.38		19244.92
Note:-										
1	Here transmission losses for FY 2017-18 (out side the State) is considered as 3.12% (Provisional figure) as upto Oct-16									
2	Here provisional figures of capacity added in FY 2017-18 of NES Projects (Wind, Biomass & Solar) are considered.									
3	Here provisional figures of loss figures in FY 2017-18 is considered upto Oct-16									
4	Here we have taken the UA data for 2017-18 same as actual data of 2015-16									