



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 19th June 2021

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14 , गोल्फ क्लब रोड , कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली – 110016
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई –400093
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग – 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यकारी निदेशक , द.क्षे.भा.प्रे.के.,29 , रेस कोर्स क्रॉस रोड, बंगलुरु –560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 18.06.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जून-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 18th June 2021, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 19-Jun-2021

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	54572	44576	38921	19748	2725	160542
Peak Shortage (MW)	200	0	0	0	2	202
Energy Met (MU)	1287	1080	931	415	53	3766
Hydro Gen (MU)	324	57	99	109	22	611
Wind Gen (MU)	5	90	224	-	-	319
Solar Gen (MU)*	42.45	24.28	87.74	4.77	0.08	159
Energy Shortage (MU)	3.50	0.00	0.00	0.00	0.04	3.54
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	58730	46607	42600	20015	2874	163319
Time Of Maximum Demand Met (From NLDC SCADA)	00:01	10:25	09:23	20:35	21:22	10:25

B. Frequency Profile (%)

Region	FVI	< 49.7	49.7 - 49.8	49.8 - 49.9	< 49.9	49.9 - 50.05	> 50.05
All India	0.033	0.00	0.53	6.35	6.89	83.10	10.01

C. Power Supply Position in States

Region	States	Max.Demand Met during the day(MW)	Shortage during maximum Demand(MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	11559	0	261.8	166.2	-0.7	250	0.00
	Haryana	8973	0	195.3	149.0	0.0	201	0.00
	Rajasthan	11105	0	243.3	114.1	2.0	431	0.00
	Delhi	5316	0	109.0	96.4	-1.7	186	0.00
	UP	18059	0	353.4	151.7	-1.4	417	0.05
	Uttarakhand	1781	0	40.0	14.8	0.4	116	0.00
	HP	1472	0	30.0	-2.9	1.1	221	0.00
	J&K(UT) & Ladakh(UT)	2345	100	49.3	22.8	1.8	294	3.45
	Chandigarh	280	0	5.5	5.8	-0.2	23	0.00
WR	Chhattisgarh	3348	0	79.8	30.3	1.0	333	0.00
	Gujarat	15233	0	326.7	156.3	2.0	888	0.00
	MP	8391	0	191.2	105.2	-1.1	557	0.00
	Maharashtra	19962	0	425.8	134.7	-3.3	600	0.00
	Goa	513	0	11.1	9.0	1.6	99	0.00
	DD	317	0	7.0	6.7	0.3	35	0.00
	DNH	787	0	18.1	18.0	0.1	82	0.00
	AMNSIL	895	0	19.9	2.5	0.1	267	0.00
	SR	Andhra Pradesh	8780	0	184.9	58.8	0.8	788
Telangana		8312	0	170.9	74.3	-0.3	416	0.00
Karnataka		8671	0	162.1	38.6	-1.3	954	0.00
Kerala		3228	0	68.0	36.6	-0.2	282	0.00
Tamil Nadu		14843	0	336.9	131.9	0.1	823	0.00
Puducherry		402	0	8.5	8.6	-0.1	48	0.00
ER	Bihar	5219	0	92.1	92.1	-0.3	509	0.00
	DVC	2967	0	64.3	-41.6	0.9	277	0.00
	Jharkhand	1400	0	23.9	20.6	-1.4	262	0.00
	Odisha	4739	0	100.9	32.3	-0.9	243	0.00
	West Bengal	6899	0	132.0	31.6	-0.9	390	0.00
	Sikkim	91	0	1.5	0.5	0.9	85	0.00
NER	Arumachal Pradesh	132	1	2.1	1.9	0.1	65	0.01
	Assam	1834	0	34.4	28.7	0.2	99	0.00
	Manipur	192	1	2.7	2.6	0.0	27	0.01
	Meghalaya	303	0	5.5	2.8	-0.1	23	0.00
	Mizoram	102	1	1.7	1.6	-0.1	26	0.01
	Nagaland	137	1	2.6	2.7	-0.1	9	0.01
	Tripura	241	0	4.2	3.2	-0.4	38	0.00

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.9	-6.1	-24.1
Day Peak (MW)	2119.0	-463.7	-1073.0

E. Import/Export by Regions (in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	356.8	-215.4	7.3	-150.7	2.0	0.0
Actual(MU)	341.8	-208.5	3.7	-141.8	0.3	-4.6
OD/UD(MU)	-15.0	6.8	-3.6	8.9	-1.7	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8017	19958	8372	680	888	37915	42
State Sector	13003	20483	13848	5617	11	52962	58
Total	21020	40441	22220	6297	900	90877	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	489	1063	378	479	11	2419	63
Lignite	25	10	53	0	0	88	2
Hydro	324	57	99	109	22	611	16
Nuclear	31	32	57	0	0	120	3
Gas, Naptha & Diesel	23	30	13	0	25	92	2
RES (Wind, Solar, Biomass & Others)	67	114	338	5	0	524	14
Total	958	1307	939	593	58	3854	100

Share of RES in total generation (%)	6.97	8.75	35.98	0.81	0.14	13.59
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.96	15.57	52.66	19.21	38.22	32.56

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.095

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 19-Jun-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	853	0.0	20.1	-20.1	
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	2	0	1003	0.0	16.8	-16.8	
4	765 kV	SASARAM-FATEHPUR	1	0	322	0.0	5.6	-5.6	
5	765 kV	GAYA-BALIA	1	0	635	0.0	10.4	-10.4	
6	400 kV	PUSAULI-VARANASI	1	0	181	0.0	3.7	-3.7	
7	400 kV	PUSAULI -ALLAHABAD	1	0	123	0.0	2.1	-2.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	736	0.0	13.4	-13.4	
9	400 kV	PATNA-BALIA	4	0	1117	0.0	18.4	-18.4	
10	400 kV	BIHARSHARIFF-BALIA	2	0	421	0.0	7.9	-7.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	445	0.0	8.4	-8.4	
12	400 kV	BIHARSHARIFF-VARANASI	2	0	389	0.0	6.3	-6.3	
13	220 kV	PUSAULI-SAHUPURI	1	38	93	0.0	1.2	-1.2	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.3	120.3	-119.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	395	391	0.0	0.1	-0.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1107	0	15.6	0.0	15.6	
3	765 kV	JHARSUGUDA-DURG	2	135	268	0.0	0.7	-0.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	329	56	3.7	0.0	3.7	
5	400 kV	RANCHI-SIPAT	2	349	0	5.1	0.0	5.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	114	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	2	121	0	1.5	0.0	1.5	
						ER-WR	25.9	2.3	23.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	103	134	0.6	0.0	0.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1632	0.0	31.2	-31.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2526	0.0	48.7	-48.7	
4	400 kV	TALCHER-I/C	2	972	0	9.1	0.0	9.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.6	79.9	-79.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	322	0.0	4.3	-4.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	12	393	0.0	4.5	-4.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	117	0.0	1.7	-1.7	
						ER-NER	0.0	10.6	-10.6
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3796	0.0	58.2	-58.2	
2	HVDC	VINDHYACHAL B/B	-	0	0	0.0	0.0	0.0	
3	HVDC	MUNDA-MOHENDERGARH	2	0	979	0.0	24.2	-24.2	
4	765 kV	GWALIOR-AGRA	2	0	2704	0.0	50.7	-50.7	
5	765 kV	PHAGI-GWALIOR	2	0	2325	0.0	46.7	-46.7	
6	765 kV	JABALPUR-ORAI	2	979	1148	0.0	44.2	-44.2	
7	765 kV	GWALIOR-ORAI	1	738	0	13.9	0.0	13.9	
8	765 kV	SATNA-ORAI	1	0	1560	0.0	32.9	-32.9	
9	765 kV	CHITORGARH-BANASKANTHA	2	1172	7	12.3	0.0	12.3	
10	400 kV	ZERDA-KANKROLI	1	213	0	2.4	0.0	2.4	
11	400 kV	ZERDA -BHINMAL	1	259	11	3.1	0.0	3.1	
12	400 kV	VINDHYACHAL -RIHAND	1	954	0	20.5	0.0	20.5	
13	400 kV	RAPT-SHILAPUR	2	0	736	0.0	10.9	-10.9	
14	220 kV	BHANPURA-RANPUR	1	0	103	0.0	1.8	-1.8	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.3	-1.3	
16	220 kV	MEHGAON-AURAIYA	1	89	14	0.2	0.3	-0.1	
17	220 kV	MALANPUR-AURAIYA	1	55	36	0.6	0.0	0.5	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	52.9	271.3	-218.4
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	696	0	17.0	0.0	17.0	
2	HVDC	RAIGARH-PUGAUR	2	772	0	13.6	0.0	13.6	
3	765 kV	SOLAPUR-RAICHUR	2	1846	826	11.2	0.0	11.2	
4	765 kV	WARDHA-NIZAMABAD	2	0	1991	0.0	29.7	-29.7	
5	400 kV	KOLHAPUR-KUDGI	2	1426	0	20.3	0.0	20.3	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	1	79	1.3	0.0	1.3	
						WR-SR	63.3	29.7	33.6
INTERNATIONAL EXCHANGES									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1&2 I.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	620	0	514	12.3			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	1031	1019	1028	24.7			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	355	0	248	6.0			
	NER	132KV-GEYLEGPHU - SALAKATI	53	18	-35	-0.9			
	NER	132KV Motanga-Rangia	60	9	-45	-1.1			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-73	0	-44	-1.1			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	233	103	-181	-4.4			
	ER	132KV-BIHAR - NEPAL	-158	-1	-29	-0.7			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-915	-908	-908	-21.8			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	-78	0	-48	-1.2			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	-80	0	-48	-1.2			