



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: 25th 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 24.06.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th June 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day

Date of Reporting: 25-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)	58443	45126	40628	21860	2967	169024
Peak Shortage (MW)	200	0	0	0	5	205
Energy Met (MU)	1417	1102	998	473	56	4046
Hydro Gen (MU)	330	40	83	135	26	614
Wind Gen (MU)	36	149	179	-	-	365
Solar Gen (MU)*	51.32	28.51	88.50	5.25	0.23	174
Energy Shortage (MU)	5.54	0.00	0.00	0.00	0.04	5.58
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	66686	47613	45609	22437	3197	174593
Time Of Maximum Demand Met (From NLDC SCADA)	00:09	10:12	09:26	23:18	19:28	10:15

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	0.056	0.42	1.10	4.11	5.62	57.11	37.26

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	13026	175	283.1	164.9	-8.4	456	0.35	
	Haryana	10819	0	223.8	164.9	-1.1	399	0.00	
	Rajasthan	11749	0	251.7	83.8	0.0	643	0.00	
	Delhi	6488	0	125.6	112.6	-2.1	190	0.00	
	UP	20743	0	410.4	180.2	-2.7	335	1.74	
	Uttarakhand	2001	0	42.4	17.7	-0.2	211	0.00	
	HP	1460	0	30.9	-0.2	0.5	156	0.00	
	J&K(UT) & Ladakh(UT)	2336	250	43.4	18.8	0.5	184	3.45	
	Chandigarh	296	0	6.1	6.4	-0.3	21	0.00	
	WR	Chhattisgarh	3409	0	81.4	31.7	-0.1	217	0.00
Gujarat		14889	0	330.0	109.6	-0.8	601	0.00	
MP		8045	0	180.3	96.1	-2.8	425	0.00	
Maharashtra		21065	0	452.5	136.7	-2.6	642	0.00	
Goa		557	0	12.3	11.3	0.3	27	0.00	
DD		331	0	7.3	7.1	0.2	35	0.00	
DNH		823	0	18.9	18.6	0.3	90	0.00	
AMNSIL		880	0	19.5	6.1	-0.2	281	0.00	
SR		Andhra Pradesh	9019	0	189.0	56.1	0.1	686	0.00
		Telangana	10108	0	217.2	96.3	-0.2	699	0.00
	Karnataka	10657	0	197.4	53.8	-0.1	751	0.00	
	Kerala	3370	0	69.6	43.9	-0.2	271	0.00	
	Tamil Nadu	14263	0	316.2	145.9	-1.8	735	0.00	
	Puducherry	379	0	8.3	8.6	-0.4	34	0.00	
	ER	Bihar	6100	0	119.0	105.7	1.5	374	0.00
		DVC	3089	0	66.2	-44.6	0.2	273	0.00
		Jharkhand	1454	0	28.5	22.0	-2.3	167	0.00
		Odisha	4605	0	98.1	32.7	2.0	416	0.00
West Bengal		8056	0	159.8	27.6	1.5	567	0.00	
Sikkim		84	0	1.3	1.6	-0.3	11	0.00	
NER		Arunachal Pradesh	127	1	2.1	2.0	0.0	65	0.01
		Assam	1939	1	36.5	30.8	-0.3	96	0.00
		Manipur	195	0	2.5	2.6	-0.1	47	0.01
		Meghalaya	320	0	6.0	2.3	-0.2	21	0.00
	Mizoram	103	1	1.8	1.6	0.0	14	0.01	
	Nagaland	145	1	2.4	2.6	-0.2	8	0.01	
	Tripura	296	2	5.0	4.2	0.1	59	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.5	-8.8	-24.9
Day Peak (MW)	1863.0	-535.5	-1062.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	326.8	-270.2	81.6	-138.3	0.1	0.0
Actual(MU)	300.9	-258.5	72.7	-120.9	-0.4	-6.2
O/D/U/D(MU)	-25.9	11.7	-8.9	17.4	-0.5	-6.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3923	21068	9482	1460	588	36521	48
State Sector	7915	17928	9415	3643	11	38912	52
Total	11838	38996	18897	5103	600	75433	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	628	1089	465	487	11	2679	65
Lignite	25	9	42	0	0	76	2
Hydro	330	40	83	135	26	614	15
Nuclear	31	33	40	0	0	103	2
Gas, Naptha & Diesel	23	34	13	0	25	95	2
RES (Wind, Solar, Biomass & Others)	106	178	293	5	0	582	14
Total	1142	1383	936	627	62	4150	100

Share of RES in total generation (%)	9.25	12.88	31.33	0.83	0.37	14.03
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.85	18.11	44.46	22.36	42.19	31.32

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.063
Based on State Max Demands	1.107

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: 25-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	854	0.0	21.2	-21.2
2	HVDC	PUSAULI B/B	-	0	249	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	626	0.0	10.1	-10.1
4	765 kV	SASARAM-FATEHPUR	1	78	251	0.0	3.0	-3.0
5	765 kV	GAYA-BALIA	1	0	510	0.0	8.4	-8.4
6	400 kV	PUSAULI-VARANASI	1	0	217	0.0	4.3	-4.3
7	400 kV	PUSAULI-ALLAHABAD	1	0	109	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	724	0.0	11.8	-11.8
9	400 kV	PATNA-BALIA	4	0	983	0.0	17.0	-17.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	446	0.0	8.3	-8.3
11	400 kV	MOTHARI-GORAKHPUR	2	0	398	0.0	6.3	-6.3
12	400 kV	BIHARSHARIFF-VARANASI	2	28	249	0.0	3.8	-3.8
13	220 kV	PUSAULI-SAHUPURI	1	11	84	0.0	1.1	-1.1
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
ER-NR						0.5	102.8	-102.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1158	967	1.8	0.0	1.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1222	174	16.0	0.0	16.0
3	765 kV	JHARSUGUDA-DURG	2	142	330	0.0	1.7	-1.7
4	400 kV	JHARSUGUDA-RAIGARH	4	316	46	3.1	0.0	3.1
5	400 kV	RANCHI-SIPAT	2	363	20	5.0	0.0	5.0
6	220 kV	BUDHIPADAR-RAIGARH	1	26	89	0.0	0.7	-0.7
7	220 kV	BUDHIPADAR-KORBA	2	190	0	2.7	0.0	2.7
ER-WR						28.6	2.4	26.3
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	455	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1776	0.0	33.4	-33.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2411	0.0	36.1	-36.1
4	400 kV	TALCHER-I/C	2	609	289	7.2	0.0	7.2
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
ER-SR						0.0	79.5	-79.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	306	0.0	4.2	-4.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	49	349	0.0	4.2	-4.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	113	0.0	2.0	-2.0
ER-NER						0.0	10.3	-10.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.2	-12.2
NER-NR						0.0	12.2	-12.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3022	0.0	47.0	-47.0
2	HVDC	VINDHYACHAL B/B	-	3	2	0.0	0.0	0.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1453	0.0	33.3	-33.3
4	765 kV	GWALIOR-AGRA	2	0	2705	0.0	46.6	-46.6
5	765 kV	PHAGL-GWALIOR	2	0	1744	0.0	31.9	-31.9
6	765 kV	JABALPUR-ORAI	2	0	1068	0.0	37.6	-37.6
7	765 kV	GWALIOR-ORAI	1	636	0	11.1	0.0	11.1
8	765 kV	SATNA-ORAI	1	0	1466	0.0	29.4	-29.4
9	765 kV	CHITORGARH-BANASKANTHA	2	812	611	0.0	1.5	-1.5
10	400 kV	ZERDA-KANKROLI	1	206	73	1.8	0.0	1.8
11	400 kV	ZERDA-BHINMAL	1	408	10	5.0	0.0	5.0
12	400 kV	VINDHYACHAL-RIHAND	1	956	0	21.8	0.0	21.8
13	400 kV	RAPP-SHUJALPUR	2	0	542	0.0	6.6	-6.6
14	220 kV	BHANPURA-RANPUR	1	0	85	0.0	1.4	-1.4
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.0	-1.0
16	220 kV	MEHGAON-AURAIYA	1	100	37	0.2	0.0	0.2
17	220 kV	MALANPUR-AURAIYA	1	64	44	0.7	0.0	0.7
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						40.6	236.4	-195.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	312	0.0	7.4	-7.4
2	HVDC	RAIGARH-PUGALUR	2	868	3311	0.1	28.1	-28.0
3	765 kV	SOLAPUR-RAICHUR	2	1653	1319	7.1	0.0	7.1
4	765 kV	WARDHA-NIZAMABAD	2	0	1999	0.0	25.4	-25.4
5	400 kV	KOLHAPUR-KUDGI	2	1074	0	16.2	0.0	16.2
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	0	75	1.6	0.0	1.6
WR-SR						25.0	60.9	-35.9

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	604	597	604	14.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1021	838	1001	24.0
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	291	0	171	4.1
	NER	132kV GELEPHU-SALAKATI	25	16	20	0.5
	NER	132kV MOTANGA-RANGIA	69	40	53	1.3
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-68	0	-46	-1.1
	ER	NEPAL IMPORT (FROM BIHAR)	-188	-10	-86	-2.1
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-280	-67	-232	-5.6
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-924	-910	-917	-22.0
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-138	0	-122	-2.9