



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: 30th Jun 2020

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., डोंगतिह, 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 29.06.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 29-जून-2020 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 29th Jun 2020, 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: 30-Jun-2020

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	56119	41942	36159	20570	2690	157480
Peak Shortage (MW)	427	0	0	0	15	442
Energy Met (MU)	1335	1017	857	416	47	3673
Hydro Gen (MU)	354	59	82	143	31	669
Wind Gen (MU)	48	46	73	-	-	167
Solar Gen (MU)*	39.00	22.50	71.99	4.73	0.03	138
Energy Shortage (MU)	9.5	0.0	0.0	0.0	0.9	10.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63456	44748	41172	20707	2696	163922
Time Of Maximum Demand Met (From NLDC SCADA)	22:27	14:58	11:54	21:18	19:59	14:53

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	0.15	6.53	6.68	80.80	12.52

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	11995	0	232.1	133.5	-4.0	94	0.0
	Haryana	10158	163	218.3	155.0	-0.1	391	0.5
	Rajasthan	12699	0	273.6	89.6	4.7	543	0.0
	Delhi	6234	0	119.8	103.7	-1.2	322	0.0
	UP	19968	0	382.4	186.3	-2.4	496	0.3
	Uttarakhand	1829	0	39.8	17.9	-0.2	202	0.0
	HP	1339	0	26.2	-2.2	-2.6	20	0.0
	J&K(UT) & Ladakh(UT)	2039	510	36.4	15.0	-1.6	503	8.7
WR	Chandigarh	359	0	6.7	6.4	0.3	74	0.0
	Chhattisgarh	3586	0	85.5	35.0	2.9	686	0.0
	Gujarat	15583	0	332.3	99.7	4.2	1071	0.0
	MP	7734	0	175.9	102.0	-2.2	365	0.0
	Maharashtra	17163	0	376.5	177.4	-1.8	497	0.0
	Goa	437	0	9.1	9.0	-0.3	119	0.0
	DD	241	0	5.2	5.1	0.1	19	0.0
	DNH	579	0	13.1	13.1	0.0	29	0.0
SR	AMNSIL	868	0	19.4	8.6	0.0	232	0.0
	Andhra Pradesh	8202	0	167.9	76.4	1.5	724	0.0
	Telangana	8329	0	166.5	77.6	-0.2	392	0.0
	Karnataka	9282	0	174.8	77.4	-0.2	894	0.0
	Kerala	3057	0	64.1	45.8	0.2	169	0.0
	Tamil Nadu	12637	0	276.6	127.5	-1.7	583	0.0
	Puducherry	375	0	7.7	7.8	-0.2	45	0.0
	ER	Bihar	5250	0	97.0	90.6	1.1	414
DVC		2868	0	61.5	-37.7	0.2	268	0.0
Jharkhand		1460	0	25.5	18.3	-1.6	154	0.0
Odisha		3834	0	80.8	-6.0	0.2	769	0.0
West Bengal		7644	0	150.4	46.0	1.1	599	0.0
NER	Sikkim	100	0	1.3	1.3	0.0	25	0.0
	Arunachal Pradesh	107	3	1.9	1.8	0.1	32	0.0
	Assam	1705	30	28.4	22.2	1.5	165	0.6
	Manipur	189	4	2.4	2.3	0.2	41	0.1
	Meghalaya	311	3	5.9	-0.9	0.4	91	0.0
	Mizoram	91	3	1.7	1.1	0.2	19	0.1
	Nagaland	127	4	2.4	2.1	0.0	23	0.1
Tripura	278	11	4.5	3.5	0.7	83	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	51.1	-1.3	-25.3
Day Peak (MW)	2290.0	-158.7	-1089.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	312.8	-285.6	113.3	-141.3	0.9	0.0
Actual(MU)	292.4	-283.5	123.1	-145.0	1.8	-11.1
O/D/U/D(MU)	-20.4	2.1	9.8	-3.6	0.9	-11.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5543	13634	10982	3320	1025	34504
State Sector	6859	24683	12723	4842	11	49118
Total	12402	38317	23705	8162	1036	83622

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	514	1038	387	458	5	2403
Lignite	27	15	38	0	0	80
Hydro	354	59	82	143	31	669
Nuclear	30	36	47	0	0	112
Gas, Naptha & Diesel	36	85	17	0	14	151
RES (Wind, Solar, Biomass & Others)	107	82	176	5	0	370
Total	1068	1314	746	607	50	3785

Share of RES in total generation (%)	10.06	6.21	23.61	0.78	0.06	9.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.99	13.44	40.82	24.42	61.35	30.42

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.054
Based on State Max Demands	1.090

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: 30-Jun-2020

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.1	-24.1	
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.9	-9.9	
3	765 kV	GAYA-VARANASI	D/C	0	717	0.0	11.1	-11.1	
4	765 kV	SASARAM-FATEHPUR	S/C	182	198	0.0	1.0	-1.0	
5	765 kV	GAYA-BALIA	S/C	0	475	0.0	7.4	-7.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	289	0.0	6.3	-6.3	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	171	0.0	3.3	-3.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	793	0.0	13.8	-13.8	
9	400 kV	PATNA-BALIA	Q/C	0	915	0.0	15.5	-15.5	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	339	0.0	5.5	-5.5	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	321	0.0	5.0	-5.0	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	66	210	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	87	0.0	1.2	-1.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	0.4	106.0	-105.6
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1047	0	17.0	0.0	17.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	947	106	9.3	0.0	9.3	
3	765 kV	JHARSUGUDA-DURG	D/C	210	301	0.0	1.9	-1.9	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	79	243	0.0	2.2	-2.2	
5	400 kV	RANCHI-SIPAT	D/C	312	26	2.9	0.0	2.9	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	134	0.0	1.8	-1.8	
7	220 kV	BUDHIPADAR-KORBA	D/C	117	6	1.2	0.0	1.2	
						ER-WR	30.4	5.9	24.6
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	379	0.0	8.3	-8.3	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1839	0.0	41.5	-41.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2651	0.0	49.3	-49.3	
4	400 kV	TALCHER-I/C	D/C	887	243	2.6	0.0	2.6	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	99.0	-99.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	555	0.0	6.4	-6.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	733	0.0	8.0	-8.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	164	0.0	2.1	-2.1	
						ER-NER	0.0	16.6	-16.6
Import/Export of ER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.8	-16.8	
						NER-NR	0.0	16.8	-16.8
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1256	0.0	44.7	-44.7	
2	HVDC	V'CHAL B/B	D/C	0	101	0.0	2.4	-2.4	
3	HVDC	APL -MHG	D/C	0	1917	0.0	33.9	-33.9	
4	765 kV	GWALIOR-AGRA	D/C	0	2727	0.0	42.0	-42.0	
5	765 kV	PHAGI-GWALIOR	D/C	0	1484	0.0	25.0	-25.0	
6	765 kV	JABALPUR-ORAI	D/C	0	979	0.0	28.7	-28.7	
7	765 kV	GWALIOR-ORAI	S/C	475	0	8.8	0.0	8.8	
8	765 kV	SATNA-ORAI	S/C	0	1546	0.0	29.5	-29.5	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	104	1186	0.0	9.8	-9.8	
10	400 kV	ZERDA-KANKROLI	S/C	154	197	0.6	0.0	0.6	
11	400 kV	ZERDA -BHINMAL	S/C	364	297	4.2	1.1	3.1	
12	400 kV	V'CHAL -RIHAND	S/C	971	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	D/C	41	501	0.0	4.5	-4.5	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.5	-1.5	
15	220 kV	BHANPURA-MORAK	S/C	0	112	0.0	1.7	-1.7	
16	220 kV	MEHGAON-AURAIYA	S/C	84	36	0.6	0.1	0.5	
17	220 kV	MALANPUR-AURAIYA	S/C	62	53	1.1	0.0	1.1	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
19	132 kV	RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	37.7	224.8	-187.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	16.3	-16.3	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
4	765 kV	SOLAPUR-RAICHUR	D/C	151	2180	0.0	26.0	-26.0	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2632	0.0	40.4	-40.4	
6	400 kV	KOLHAPUR-KUDGI	D/C	731	0	9.8	0.0	9.8	
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
8	220 kV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
9	220 kV	XELDEM-AMBEWADI	S/C	0	86	1.5	0.0	1.5	
						WR-SR	11.4	82.7	-71.3

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	291	285	258	6.2
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	770	737	741	17.8
	ER	TALA (6 * 170) BINAGURI RECEIPT	1114	1013	1034	24.8
	NER	132KV-SALAKATI - GELEPHU	53	0	45	1.1
	NER	132KV-RANGIA - DEOTHANG	62	0	50	1.2
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-18	0	-6	-0.1
	ER	132KV-BIHAR - NEPAL	-5	-1	-1	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-136	-8	-46	-1.1
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-946	-940	-945	-22.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	72	0	-54	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	71	0	-54	-1.3