



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: 28th 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 27.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 27-जून-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 27th 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: 28-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)	58209	41995	36513	19492	2411	158620
Peak Shortage (MW)	438	0	0	0	12	450
Energy Met (MU)	1350	1007	883	424	43	3707
Hydro Gen (MU)	356	65	76	136	27	661
Wind Gen (MU)	54	62	95	-	-	211
Solar Gen (MU)*	36.06	23.70	71.90	4.84	0.02	137
Energy Shortage (MU)	10.7	0.0	0.0	0.0	0.0	10.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63979	44434	41753	20101	2451	164532
Time Of Maximum Demand Met (From NLDC SCADA)	22:24	15:25	10:44	00:04	19:45	22:23

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	0.028	0.00	0.00	3.76	3.76	77.18	19.06

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	12120	0	273.1	147.8	-0.8	79	0.0
	Haryana	9479	0	206.3	143.3	0.1	176	0.0
	Rajasthan	11104	0	242.7	76.4	-2.0	394	0.0
	Delhi	5556	0	106.6	91.5	-0.2	190	0.0
	UP	20610	170	401.7	198.4	0.4	640	0.4
	Uttarakhand	1942	0	42.9	20.0	1.6	218	0.0
	HP	1266	57	27.7	-2.8	-1.3	34	0.0
	J&K(UT) & Ladakh(UT)	2013	503	43.0	19.5	0.4	174	10.2
Chandigarh	318	0	6.2	6.3	-0.1	34	0.0	
WR	Chhattisgarh	3632	0	87.1	27.7	-0.6	183	0.0
	Gujarat	15239	0	321.5	89.1	-1.2	434	0.0
	MP	7576	0	166.2	92.8	-2.2	345	0.0
	Maharashtra	17115	0	387.0	186.3	-0.1	552	0.0
	Goa	431	0	9.2	8.9	-0.2	29	0.0
	DD	245	0	5.4	5.3	0.1	17	0.0
	DNH	576	0	13.2	13.2	0.0	34	0.0
	AMNSIL	836	0	17.1	5.9	0.2	265	0.0
SR	Andhra Pradesh	8336	0	173.6	93.4	1.5	932	0.0
	Telangana	8721	0	175.3	91.9	-0.4	485	0.0
	Karnataka	8800	0	174.9	75.1	1.1	649	0.0
	Kerala	3044	0	63.1	44.2	0.5	130	0.0
	Tamil Nadu	12916	0	288.1	118.0	-0.8	794	0.0
	Puducherry	381	0	7.9	7.9	-0.1	24	0.0
ER	Bihar	5269	0	99.2	90.6	2.4	708	0.0
	DVC	2836	0	61.7	-38.9	0.4	216	0.0
	Jharkhand	1321	0	26.8	19.3	-1.1	124	0.0
	Odisha	3949	0	84.9	2.3	-0.1	333	0.0
	West Bengal	7427	0	150.5	45.4	1.8	499	0.0
	Sikkim	90	0	1.3	1.3	0.0	25	0.0
NER	Arunachal Pradesh	102	1	2.1	1.9	0.2	45	0.0
	Assam	1473	10	24.7	20.7	-0.6	121	0.0
	Manipur	179	1	2.6	2.4	0.2	43	0.0
	Meghalaya	308	0	5.3	-0.3	-0.2	21	0.0
	Mizoram	95	1	1.7	1.2	0.2	12	0.0
	Nagaland	118	2	2.4	2.1	-0.1	8	0.0
Tripura	263	1	4.3	5.2	-0.8	19	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.9	-0.6	-25.7
Day Peak (MW)	2183.0	-137.8	-1117.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	295.6	-293.0	129.3	-124.5	-7.4	0.0
Actual(MU)	282.5	-297.5	147.7	-127.7	-10.1	-5.2
O/D/U/D(MU)	-13.1	-4.5	18.4	-3.2	-2.8	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5302	13819	10572	2120	831	32644
State Sector	8400	24361	13523	5192	11	51487
Total	13702	38180	24095	7312	842	84131

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	532	1027	360	449	5	2373
Lignite	26	15	39	0	0	80
Hydro	356	65	76	136	27	661
Nuclear	30	36	47	0	0	112
Gas, Naptha & Diesel	35	76	16	0	26	153
RES (Wind, Solar, Biomass & Others)	110	101	209	5	0	426
Total	1089	1320	747	590	58	3805
Share of RES in total generation (%)	10.12	7.68	27.98	0.82	0.03	11.18
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.52	15.32	44.47	23.90	46.65	31.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.068

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: 28-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	1200	0.0	23.9	-23.9	
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.4	-9.4	
3	765 kV	GAYA-VARANASI	D/C	0	686	0.0	7.7	-7.7	
4	765 kV	SASARAM-FATEHPUR	S/C	109	173	0.0	0.0	0.0	
5	765 kV	GAYA-BALIA	S/C	0	496	0.0	7.9	-7.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	294	0.0	6.4	-6.4	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	158	0.0	2.9	-2.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	825	0.0	14.9	-14.9	
9	400 kV	PATNA-BALIA	Q/C	0	982	0.0	16.3	-16.3	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	370	0.0	6.1	-6.1	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	321	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	35	216	0.0	2.0	-2.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	94	0.0	1.8	-1.8	
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	104.6	-104.1
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1337	0	25.5	0.0	25.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	787	34	9.6	0.0	9.6	
3	765 kV	JHARSUGUDA-DURG	D/C	70	179	0.0	1.2	-1.2	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	178	78	1.4	0.0	1.4	
5	400 kV	RANCHI-SIPAT	D/C	290	0	4.2	0.0	4.2	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	109	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	D/C	177	0	3.1	0.0	3.1	
						ER-WR	43.7	2.6	41.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	325	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1858	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2740	0.0	51.9	-51.9	
4	400 kV	TALCHER-I/C	D/C	0	992	0.0	8.6	-8.6	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	107.3	-107.3
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	27	397	0.0	2.2	-2.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	146	487	0.0	1.2	-1.2	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	4	109	0.0	0.7	-0.7	
						ER-NER	0.0	4.1	-4.1
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	16.1	-16.1	
						NER-NR	0.0	16.1	-16.1
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	805	0.0	40.5	-40.5	
2	HVDC	V'CHAL B/B	D/C	452	0	12.1	0.0	12.1	
3	HVDC	APL -MHG	D/C	0	1827	0.0	46.0	-46.0	
4	765 kV	GWALIOR-AGRA	D/C	0	2546	0.0	43.9	-43.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1300	0.0	23.0	-23.0	
6	765 kV	JABALPUR-ORAI	D/C	0	886	0.0	28.0	-28.0	
7	765 kV	GWALIOR-ORAI	S/C	389	0	8.1	0.0	8.1	
8	765 kV	SATNA-ORAI	S/C	0	1523	0.0	29.8	-29.8	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	47	849	0.0	9.1	-9.1	
10	400 kV	ZERDA-KANKROLI	S/C	153	60	1.3	0.0	1.3	
11	400 kV	ZERDA -BHINMAL	S/C	448	0	6.2	0.0	6.2	
12	400 kV	V'CHAL -RIHAND	S/C	971	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHUJALPUR	D/C	39	365	0.0	1.2	-1.2	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.8	-1.8	
15	220 kV	BHANPURA-MORAK	S/C	0	117	0.0	2.0	-2.0	
16	220 kV	MEHGAON-AURAIYA	S/C	54	13	0.2	0.1	0.1	
17	220 kV	MALANPUR-AURAIYA	S/C	45	29	0.6	0.0	0.6	
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	50.9	225.5	-174.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0	
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	176	2271	0.1	26.4	-26.3	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2634	0.0	42.1	-42.1	
6	400 kV	KOLHAPUR-KUDGI	D/C	874	0	9.9	0.0	9.9	
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	88	1.7	0.0	1.7	
						WR-SR	11.7	92.5	-80.8

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	295	289	271	6.5
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	776	766	730	17.5
	ER	TALA (6 * 170) BINAGURI RECEIPT	1011	1006	1033	24.8
	NER	132KV-SALAKATI - GELEPHU	0	0	43	1.0
	NER	132KV-RANGIA - DEOTHANG	0	0	43	1.0
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-6	-1	-2	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-132	-2	-25	-0.6
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-958	-946	-955	-22.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	80	0	-58	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	79	0	-58	-1.4