



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: 27th 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 26.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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: 27-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)	56521	41917	37026	19563	2483	157510
Peak Shortage (MW)	452	0	0	0	347	799
Energy Met (MU)	1310	1012	883	420	45	3669
Hydro Gen (MU)	363	66	73	138	26	666
Wind Gen (MU)	51	51	69	-	-	171
Solar Gen (MU)*	37.96	21.90	76.29	4.47	0.01	141
Energy Shortage (MU)	10.4	0.0	0.0	0.0	2.9	13.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61681	44051	42213	20652	2497	163736
Time Of Maximum Demand Met (From NLDC SCADA)	22:20	14:43	12:21	22:57	19:51	22:32

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	0.018	0.00	0.05	0.87	0.91	86.41	12.67

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	11765	0	256.1	141.9	-0.7	102	0.0
	Haryana	9221	0	203.2	144.3	0.6	159	0.0
	Rajasthan	10434	0	233.6	73.9	-4.7	478	0.0
	Delhi	5371	0	108.4	92.6	-0.3	177	0.0
	UP	20160	0	391.6	192.9	-0.6	443	0.5
	Uttarakhand	1888	0	41.3	17.9	1.0	177	0.0
	HP	1423	0	28.4	-3.0	0.2	146	0.0
	J&K(UT) & Ladakh(UT)	2076	519	41.8	19.3	-0.3	282	9.9
	Chandigarh	305	0	6.0	6.2	-0.2	19	0.0
	Chhattisgarh	3676	0	86.2	28.3	-0.5	172	0.0
WR	Gujarat	14883	0	317.6	87.5	1.0	554	0.0
	MP	7798	0	174.5	102.3	-2.9	446	0.0
	Maharashtra	17403	0	389.8	187.9	-1.2	642	0.0
	Goa	435	0	9.2	9.0	-0.3	33	0.0
	DD	255	0	5.5	5.3	0.2	25	0.0
	DNH	578	0	13.2	13.4	-0.2	26	0.0
SR	AMNSIL	725	0	16.0	4.8	0.2	290	0.0
	Andhra Pradesh	8470	0	173.8	82.8	4.7	956	0.0
	Telangana	8681	0	179.0	113.8	0.8	384	0.0
	Karnataka	8908	0	173.2	76.4	1.5	730	0.0
	Kerala	3134	0	65.6	47.7	0.5	134	0.0
	Tamil Nadu	12493	0	283.4	124.4	-3.9	631	0.0
	Puducherry	364	0	7.7	7.9	-0.2	14	0.0
ER	Bihar	5102	0	89.6	84.4	-0.1	601	0.0
	DVC	2807	0	59.0	-37.3	1.2	541	0.0
	Jharkhand	1334	0	24.8	18.3	-1.7	126	0.0
	Odisha	4079	0	87.9	4.6	0.0	294	0.0
	West Bengal	7631	0	157.3	48.6	1.7	365	0.0
NER	Sikkim	94	0	1.3	1.3	-0.1	32	0.0
	Arunachal Pradesh	103	0	2.1	2.0	0.1	13	0.0
	Assam	1477	273	25.7	21.3	-0.3	182	2.8
	Manipur	177	1	2.6	2.5	0.1	19	0.0
	Meghalaya	334	0	5.5	0.3	-0.2	78	0.0
	Mizoram	96	0	1.7	1.3	0.1	11	0.0
	Nagaland	117	0	2.3	2.2	-0.2	9	0.0
	Tripura	287	3	5.0	5.7	-0.4	35	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.3	-1.5	-25.7
Day Peak (MW)	2209.0	-126.7	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	286.2	-298.5	140.2	-121.6	-6.3	0.0
Actual(MU)	276.3	-307.1	165.0	-129.2	-8.4	-3.4
O/D/U/D(MU)	-10.0	-8.7	24.9	-7.6	-2.1	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4802	13819	10372	2120	615	31727
State Sector	8400	22661	14023	5692	11	50787
Total	13202	36480	24395	7812	626	82514

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	504	1051	367	448	7	2377
Lignite	23	15	43	0	0	81
Hvdro	363	66	73	138	26	666
Nuclear	30	35	47	0	0	112
Gas, Naptha & Diesel	36	80	16	0	26	157
RES (Wind, Solar, Biomass & Others)	109	85	185	5	0	383
Total	1064	1331	731	591	59	3776
Share of RES in total generation (%)	10.21	6.35	25.37	0.77	0.02	10.15
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.12	13.94	41.74	24.15	44.39	30.75

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045
Based on State Max Demands	1.063

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: 27-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	25.1	-25.1	
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6	
3	765 kV	GAYA-VARANASI	D/C	0	560	0.0	8.1	-8.1	
4	765 kV	SASARAM-FATEHPUR	S/C	90	91	0.0	0.3	-0.3	
5	765 kV	GAYABALLIA	S/C	0	482	0.0	7.5	-7.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	298	0.0	6.4	-6.4	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	161	0.0	3.1	-3.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	737	0.0	14.7	-14.7	
9	400 kV	PATNA-BALLIA	Q/C	0	911	0.0	16.1	-16.1	
10	400 kV	BIHARSHARIFF-BALLIA	D/C	0	321	0.0	6.2	-6.2	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	315	0.0	5.0	-5.0	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	43	149	0.0	1.8	-1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	94	0.0	1.9	-1.9	
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	0.2	0.0	0.2	
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	0.2	105.7	-105.5
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1411	0	28.7	0.0	28.7	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	810	30	8.7	0.0	8.7	
3	765 kV	JHARSUGUDA-DURG	D/C	80	112	0.0	0.4	-0.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	162	92	0.8	0.0	0.8	
5	400 kV	RANCHI-SIPAT	D/C	285	0	3.2	0.0	3.2	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	96	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	D/C	165	0	2.8	0.0	2.8	
						ER-WR	44.2	1.9	42.2
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	425	0.0	8.1	-8.1	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1853	0.0	48.0	-48.0	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2916	0.0	55.0	-55.0	
4	400 kV	TALCHER-I/C	D/C	0	978	0.0	6.1	-6.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	111.1	-111.1
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	0	326	0.0	2.4	-2.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	163	382	0.0	1.1	-1.1	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	94	0.0	0.9	-0.9	
						ER-NER	0.0	4.4	-4.4
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	14.3	-14.3	
						NER-NR	0.0	14.3	-14.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1198	0.0	38.6	-38.6	
2	HVDC	V'CHAL B/B	D/C	186	0	4.4	0.0	4.4	
3	HVDC	APL -MHG	D/C	0	1825	0.0	37.0	-37.0	
4	765 kV	GWALIOR-AGRA	D/C	0	2593	0.0	40.8	-40.8	
5	765 kV	PHAGI-GWALIOR	D/C	0	1223	0.0	21.9	-21.9	
6	765 kV	JABALPUR-ORAI	D/C	0	882	0.0	26.4	-26.4	
7	765 kV	GWALIOR-ORAI	S/C	413	0	8.3	0.0	8.3	
8	765 kV	SAINA-ORAI	S/C	0	1498	0.0	29.8	-29.8	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	10	1048	0.0	10.2	-10.2	
10	400 kV	ZERDA-KANKROLI	S/C	158	114	1.0	0.0	1.0	
11	400 kV	ZERDA -BHINMAL	S/C	355	59	4.8	0.0	4.8	
12	400 kV	V'CHAL -RIHAND	S/C	970	0	22.3	0.0	22.3	
13	400 kV	RAPP-SHUJALPUR	D/C	122	329	0.0	1.7	-1.7	
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	1.2	-1.2	
15	220 kV	BHANPURA-MORAK	S/C	0	112	0.0	1.3	-1.3	
16	220 kV	MEHGAON-AURAIYA	S/C	96	3	0.4	0.1	0.4	
17	220 kV	MALANPUR-AURAIYA	S/C	64	23	1.0	0.0	1.0	
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0	
						WR-NR	42.1	208.9	-166.8
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.7	-23.7	
2	HVDC	BARBUR-I-SILERRU	-	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	51	2409	0.0	30.1	-30.1	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2924	0.0	49.2	-49.2	
6	400 kV	KOLHAPUR-KUDGI	D/C	445	93	4.8	0.0	4.7	
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	95	1.8	0.0	1.8	
						WR-SR	6.6	103.1	-96.6
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	300	273	265	6.4			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	777	770	712	17.1			
	ER	TALA (6 * 170) BINAGURI RECEIPT	1014	1010	1036	24.9			
	NER	132KV-SALAKATI - GELEPHU	0	0	40	1.0			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-20	0	-10	-0.2			
	ER	132KV-BIHAR - NEPAL	-15	-2	-9	-0.2			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	122	2	-44	-1.1			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-959	-948	-947	-22.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	80	0	-63	-1.5			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	79	0	-63	-1.5			