



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: 26th 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., 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 25.06.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जून-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंके 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 25th 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: 26-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)	55390	43095	36873	19133	2551	157042
Peak Shortage (MW)	492	0	0	0	223	715
Energy Met (MU)	1282	1042	895	438	46	3703
Hydro Gen (MU)	373	76	85	137	27	698
Wind Gen (MU)	36	42	58	-	-	136
Solar Gen (MU)*	34.02	21.60	78.41	5.49	0.01	140
Energy Shortage (MU)	10.5	0.0	0.0	0.0	4.3	14.8
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60280	46456	42332	21454	2595	162073
Time Of Maximum Demand Met (From NLDC SCADA)	22:25	14:38	12:54	00:01	19:54	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	0.00	2.16	2.16	85.41	12.43

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	10806	0	241.8	131.5	-1.0	117	0.0	
	Haryana	9098	0	198.8	139.7	1.4	351	0.0	
	Rajasthan	10270	0	229.5	80.4	-3.6	290	0.0	
	Delhi	5328	0	106.6	91.0	-0.7	279	0.2	
	UP	20203	0	389.6	190.4	-1.5	551	0.0	
	Uttarakhand	1883	0	40.6	18.3	0.9	130	0.2	
	HP	1345	0	27.2	-3.4	-1.1	45	0.0	
	J&K(UT) & Ladakh(UT)	2197	549	42.4	18.4	1.0	308	10.1	
	Chandigarh	293	0	5.7	5.8	-0.2	18	0.0	
	WR	Chhattisgarh	3612	0	85.8	24.4	1.0	253	0.0
Gujarat		14708	0	311.2	86.9	1.2	418	0.0	
MP		8097	0	179.2	109.3	-1.7	336	0.0	
Maharashtra		19422	0	420.1	193.3	1.2	882	0.0	
Goa		468	0	9.3	8.9	-0.1	69	0.0	
DD		243	0	5.4	5.2	0.2	26	0.0	
DNH		589	0	13.2	13.1	0.1	106	0.0	
AMNSIL		801	0	17.9	7.5	-0.2	283	0.0	
SR		Andhra Pradesh	8270	0	171.8	64.2	1.7	679	0.0
		Telangana	8723	0	174.9	106.8	2.1	471	0.0
	Karnataka	10437	0	192.5	80.4	4.3	1053	0.0	
	Kerala	3185	0	67.2	47.8	0.3	229	0.0	
	Tamil Nadu	12401	0	281.5	142.0	-1.6	403	0.0	
	Puducherry	351	0	7.4	7.7	-0.3	35	0.0	
ER	Bihar	5501	0	93.4	90.4	-3.1	220	0.0	
	DVC	2693	0	58.4	-35.5	0.1	235	0.0	
	Jharkhand	1298	0	25.3	19.3	-2.3	70	0.0	
	Odisha	4306	0	91.7	5.8	0.0	205	0.0	
	West Bengal	8100	0	167.2	56.3	0.9	425	0.0	
	Sikkim	94	0	1.5	1.5	0.1	31	0.0	
NER	Arunachal Pradesh	103	0	2.0	2.0	0.0	11	0.0	
	Assam	1567	173	26.9	22.1	0.1	144	4.2	
	Manipur	186	2	2.5	2.4	0.0	22	0.0	
	Meghalaya	316	0	5.6	0.9	-0.3	68	0.0	
	Mizoram	91	0	1.7	1.3	0.2	19	0.0	
	Nagaland	123	1	2.3	2.2	-0.3	10	0.0	
	Tripura	294	2	5.2	6.0	0.1	51	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	47.1	-2.3	-26.4
Day Peak (MW)	2072.6	-173.5	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	264.2	-275.0	131.6	-114.4	-6.4	0.0
Actual(MU)	252.2	-276.0	146.8	-121.6	-10.3	-9.0
OD/UD(MU)	-12.0	-1.0	15.1	-7.2	-3.9	-9.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5302	13819	9712	2315	594	31741
State Sector	8375	23671	14083	5942	11	52082
Total	13677	37490	23795	8257	605	83823

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	505	1058	389	463	7	2422
Lignite	24	15	44	0	0	83
Hydro	373	76	85	137	27	698
Nuclear	30	34	47	0	0	111
Gas, Naptha & Diesel	35	76	16	0	27	154
RES (Wind, Solar, Biomass & Others)	91	74	189	6	0	359
Total	1056	1333	771	605	62	3826
Share of RES in total generation (%)	8.57	5.55	24.55	0.91	0.02	9.39
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.72	13.83	41.69	23.51	43.98	30.54

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.068
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: 26-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	1000	0.0	24.0	-24.0
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	10.0	-10.0
3	765 kV	GAYA-VARANASI	D/C	0	632	0.0	6.5	-6.5
4	765 kV	SASARAM-FATEHPUR	S/C	88	148	0.0	0.4	-0.4
5	765 kV	GAYA-BALIA	S/C	0	424	0.0	6.2	-6.2
6	400 kV	PUSAULI-VARANASI	S/C	0	293	0.0	6.7	-6.7
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	155	0.0	3.1	-3.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	789	0.0	13.5	-13.5
9	400 kV	PATNA-BALIA	Q/C	0	947	0.0	16.5	-16.5
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	356	0.0	5.6	-5.6
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	315	0.0	5.0	-5.0
12	400 kV	BIHARSHARIFF-VARANASI	D/C	18	189	0.0	1.9	-1.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	107	0.0	2.1	-2.1
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	101.4	-101.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1481	0	26.1	0.0	26.1
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	745	88	7.8	0.0	7.8
3	765 kV	JHARSUGUDA-DURG	D/C	117	146	0.0	0.8	-0.8
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	161	160	0.4	0.0	0.4
5	400 kV	RANCHI-SIPAT	D/C	284	16	3.4	0.0	3.4
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	D/C	172	0	3.4	0.0	3.4
ER-WR						41.1	2.1	39.0
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	426	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1838	0.0	48.0	-48.0
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2863	0.0	53.3	-53.3
4	400 kV	TALCHER-I/C	D/C	0	453	0.0	3.6	-3.6
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
ER-SR						0.0	109.9	-109.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	46	317	0.0	1.9	-1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	241	369	0.0	0.2	-0.2
3	220 kV	ALIPURDUAR-SALAKATI	D/C	3	103	0.0	0.9	-0.9
ER-NER						0.0	3.1	-3.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	14.0	-14.0
NER-NR						0.0	14.0	-14.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1238	0.0	34.1	-34.1
2	HVDC	V'CHAL B/B	D/C	49	0	1.1	0.0	1.1
3	HVDC	APL-MHG	D/C	0	1455	0.0	36.3	-36.3
4	765 kV	GWALIOR-AGRA	D/C	0	2292	0.0	33.6	-33.6
5	765 kV	PHAGI-GWALIOR	D/C	0	1276	0.0	17.9	-17.9
6	765 kV	JABALPUR-ORAI	D/C	0	830	0.0	23.1	-23.1
7	765 kV	GWALIOR-ORAI	S/C	434	0	7.0	0.0	7.0
8	765 kV	SATNA-ORAI	S/C	0	1421	0.0	27.6	-27.6
9	765 kV	CHITORGARH-BANASKANTHA	D/C	105	896	0.0	9.4	-9.4
10	400 kV	ZERDA-KANKROLI	S/C	166	57	1.5	0.0	1.5
11	400 kV	ZERDA-BHINMAL	S/C	310	0	4.4	0.0	4.4
12	400 kV	V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2
13	400 kV	RAPP-SHUJALPUR	D/C	181	313	0.0	0.4	-0.4
14	220 kV	BHANPURA-RANPUR	S/C	11	0	0.1	0.5	-0.4
15	220 kV	BHANPURA-MORAK	S/C	11	79	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	S/C	94	0	0.6	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	S/C	65	8	1.2	0.0	1.2
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						38.2	183.7	-145.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	21.9	-21.9
2	HVDC	BARSUR-SILHERU	-	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	26	2309	0.0	29.1	-29.1
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2569	0.0	43.6	-43.6
6	400 kV	KOLHAPUR-KUDGI	D/C	479	265	3.0	0.5	2.4
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	S/C	1	94	1.4	1.4	0.0
WR-SR						4.4	95.2	-90.8
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	286	254	242	5.8		
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	778	0	675	16.2		
	ER	TALA (6 * 170) BINAGURI RECEIPT	1008	1003	1004	24.1		
	NER	132KV-SALAKATI - GELEPHU	0	0	30	0.7		
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-20	0	-10	-0.3		
	ER	132KV-BIHAR - NEPAL	-21	0	-5	-0.1		
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-132	-6	-80	-1.9		
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-950	-944	-946	-22.7		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	87	0	-76	-1.8		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	87	0	-76	-1.8		