



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: 12th 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 11.06.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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: 12-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)	51691	39849	34756	20956	2721	149973
Peak Shortage (MW)	617	0	0	0	7	624
Energy Met (MU)	1291	983	821	451	51	3598
Hydro Gen (MU)	348	35	61	115	15	575
Wind Gen (MU)	31	59	168	-	-	257
Solar Gen (MU)*	41.87	21.60	38.40	4.88	0.02	107
Energy Shortage (MU)	9.9	0.0	0.0	0.0	0.0	10.0
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61050	43361	39613	21516	2792	163301
Time Of Maximum Demand Met (From NLDC SCADA)	22:22	14:40	23:22	00:00	19:13	23:22

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	0.022	0.00	0.00	1.47	1.47	79.23	19.30

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	10281	0	225.4	144.4	-4.7	215	0.0
	Haryana	7928	0	164.4	119.8	0.4	471	0.0
	Rajasthan	11005	0	243.2	81.6	2.6	702	0.0
	Delhi	5514	0	107.4	92.4	-2.5	136	0.0
	UP	21831	0	435.7	224.7	1.0	1286	0.0
	Uttarakhand	1795	0	40.3	20.4	0.0	88	0.0
	HP	1308	0	27.2	-1.7	-0.3	213	0.0
	J&K(UT) & Ladakh(UT)	2106	527	41.7	18.8	-0.2	0	9.9
	Chandigarh	287	0	5.6	5.6	0.0	22	0.0
	Chhattisgarh	3427	0	76.9	24.9	-2.3	289	0.0
WR	Gujarat	13106	0	281.9	72.8	4.8	617	0.0
	MP	8361	0	189.5	107.4	-1.7	603	0.0
	Maharashtra	17853	0	389.4	145.8	0.6	624	0.0
	Goa	445	0	9.1	9.0	-0.2	79	0.0
	DD	243	0	5.4	5.2	0.2	30	0.0
	DNH	533	0	11.7	11.8	-0.1	30	0.0
	AMNSIL	832	0	18.7	2.0	0.2	316	0.0
SR	Andhra Pradesh	6623	0	144.6	37.5	-0.2	601	0.0
	Telangana	6505	0	138.9	79.8	0.9	807	0.0
	Karnataka	9025	0	170.8	70.6	-0.1	848	0.0
	Kerala	3235	0	65.3	46.2	0.6	155	0.0
	Tamil Nadu	13022	0	294.2	123.9	-2.6	918	0.0
	Puducherry	350	0	7.6	8.0	-0.4	14	0.0
ER	Bihar	5783	0	115.5	109.8	-1.0	385	0.0
	DVC	2933	0	62.2	-38.1	0.7	319	0.0
	Jharkhand	1410	0	28.3	20.2	-0.4	199	0.0
	Odisha	3970	0	83.4	1.3	0.3	357	0.0
	West Bengal	8099	0	160.4	45.8	-0.5	507	0.0
NER	Sikkim	96	0	1.4	1.4	-0.1	16	0.0
	Arunachal Pradesh	109	1	2.2	1.7	0.5	56	0.0
	Assam	1796	30	33.1	28.4	-0.3	120	0.0
	Manipur	187	2	2.5	2.3	0.2	44	0.0
	Meghalaya	304	0	5.1	0.9	-0.5	31	0.0
	Mizoram	78	2	1.8	1.3	0.3	26	0.0
	Nagaland	121	2	2.4	2.1	0.2	18	0.0
	Tripura	271	1	4.5	5.0	0.3	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	36.1	-2.1	-24.7
Day Peak (MW)	1783.1	-284.2	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	287.8	-299.4	99.6	-93.5	5.5	0.0
Actual(MU)	287.3	-293.4	87.6	-86.2	7.2	2.6
O/D/U/D(MU)	-0.5	6.0	-12.0	7.4	1.7	2.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	4925	16867	10322	2320	399	34833
State Sector	11010	23230	15208	3682	11	53141
Total	15935	40097	25530	6002	410	87974

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	488	1027	330	455	10	2311
Lignite	26	11	46	0	0	83
Hydro	348	35	61	115	15	575
Nuclear	27	36	47	0	0	110
Gas, Naptha & Diesel	46	88	17	0	25	175
RES (Wind, Solar, Biomass & Others)	92	91	242	5	0	430
Total	1027	1289	743	575	50	3685
Share of RES in total generation (%)	8.96	7.06	32.61	0.86	0.04	11.68
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.46	12.61	47.17	20.94	30.06	30.28

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.046

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: 12-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	501	0.0	12.2	-12.2	
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.5	-9.5	
3	765 kV	GAYA-VARANASI	D/C	0	546	0.0	6.0	-6.0	
4	765 kV	SASARAM-FATEHPUR	S/C	241	0	2.5	0.0	2.5	
5	765 kV	GAYABALLA	S/C	0	524	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	307	0.0	6.6	-6.6	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	152	0.0	2.9	-2.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	605	0.0	9.4	-9.4	
9	400 kV	PATNA-BALLA	Q/C	0	918	0.0	12.4	-12.4	
10	400 kV	BIHARSHARIFF-BALLA	D/C	0	331	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	338	0.0	5.7	-5.7	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	167	122	1.0	0.0	1.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	175	0.0	3.1	-3.1	
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	3.9	80.9	-77.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1046	0	17.8	0.0	17.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1307	0	20.1	0.0	20.1	
3	765 kV	JHARSUGUDA-DURG	D/C	157	77	0.7	0.0	0.7	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	219	229	0.0	0.4	-0.4	
5	400 kV	RANCHI-SIPAT	D/C	522	0	9.0	0.0	9.0	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
7	220 kV	BUDHIPADAR-KORBA	D/C	184	0	2.2	0.0	2.2	
						ER-WR	49.7	0.4	49.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	432	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1258	0.0	36.1	-36.1	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2222	0.0	41.7	-41.7	
4	400 kV	TALCHER-I/C	D/C	411	0	8.0	0.0	8.0	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	87.7	-87.7
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAOON	D/C	0	553	0.0	9.3	-9.3	
2	400 kV	ALIPURDUAR-BONGAIGAOON	D/C	0	651	0.0	10.5	-10.5	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	170	0.0	2.9	-2.9	
						ER-NER	0.0	22.7	-22.7
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.7	-16.7	
						NER-NR	0.0	16.7	-16.7
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	33.6	-33.6	
2	HVDC	V'CHAL B/B	D/C	0	305	0.0	6.5	-6.5	
3	HVDC	APL -MHG	D/C	0	1918	0.0	40.8	-40.8	
4	765 kV	GWALIOR-AGRA	D/C	0	2914	0.0	47.0	-47.0	
5	765 kV	PHAGI-GWALIOR	D/C	0	1488	0.0	24.6	-24.6	
6	765 kV	JABALPUR-ORAI	D/C	0	1077	0.0	37.4	-37.4	
7	765 kV	GWALIOR-ORAI	S/C	417	0	7.5	0.0	7.5	
8	765 kV	SAJNA-ORAI	S/C	0	1606	0.0	33.5	-33.5	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	421	869	1.4	6.7	-5.3	
10	400 kV	ZERDA-KANKROLI	S/C	175	116	1.0	0.0	1.0	
11	400 kV	ZERDA -BHINMAL	S/C	340	160	2.9	0.0	2.9	
12	400 kV	V'CHAL -RIHAND	S/C	983	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	D/C	44	458	0.0	4.3	-4.3	
14	220 kV	BHANPURA-RANPUR	S/C	2	90	1.9	3.4	-1.4	
15	220 kV	BHANPURA-MORAK	S/C	0	118	0.0	1.9	-1.9	
16	220 kV	MEHGAON-AURAIYA	S/C	174	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	0	0	3.4	0.0	3.4	
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	40.7	239.6	-199.0
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	985	0.0	23.1	-23.1	
2	HVDC	BARSUR-I-SILERI	-	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	533	1363	0.6	13.1	-12.5	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	1751	0.0	25.6	-25.6	
6	400 kV	KOLHAPUR-KUDGI	D/C	1035	0	15.0	0.0	15.0	
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	85	1.4	0.0	1.4	
						WR-SR	17.0	61.7	-44.8

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	236	196	154	3.7
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	585	582	578	13.9
	ER	TALA (6 * 170) BINAGURI RECEIPT	806	598	632	15.2
	NER	132KV-SALAKATI - GELEPHU	0	0	19	0.5
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-44	0	-13	-0.3
	ER	132KV-BIHAR - NEPAL	-138	-4	-63	-1.5
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-102	-2	-13	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-958	-558	-888	-21.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	76	0	-72	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-72	-1.7