



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: 07th 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 06.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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: 07-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)	44830	38807	35351	20261	2459	141708
Peak Shortage (MW)	290	0	0	0	11	301
Energy Met (MU)	982	911	887	427	41	3248
Hydro Gen (MU)	288	44	63	122	21	538
Wind Gen (MU)	11	83	132	-	-	226
Solar Gen (MU)*	39.34	24.80	77.82	4.77	0.02	147
Energy Shortage (MU)	8.3	0.0	0.0	0.0	0.0	8.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48322	40732	39623	21178	2437	146532
Time Of Maximum Demand Met (From NLDC SCADA)	22:24	15:18	15:01	22:52	19:57	22:24

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	0.036	0.00	0.00	3.63	3.63	74.85	21.51

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	6319	0	143.4	106.7	-0.2	278	0.0
	Haryana	6532	0	129.4	121.5	1.2	368	0.0
	Rajasthan	9407	0	206.1	76.3	2.8	739	0.0
	Delhi	4211	0	80.2	71.3	-2.3	179	0.0
	UP	18211	0	324.9	179.1	-2.8	572	0.0
	Uttarakhand	1561	0	34.2	15.1	0.3	136	0.0
	HP	1262	0	24.7	1.0	0.1	130	0.0
	J&K(UT) & Ladakh(UT)	1738	435	35.0	13.6	-1.7	27	8.3
WR	Chhattisgarh	190	0	3.9	4.1	-0.2	20	0.0
	Chhattisgarh	3455	0	76.5	24.8	-2.5	214	0.0
	Gujarat	14018	0	279.5	85.4	1.0	890	0.0
	MP	7609	0	162.3	83.2	-1.4	412	0.0
	Maharashtra	15920	0	357.0	128.3	-1.1	704	0.0
	Goa	389	0	8.4	8.1	-0.2	46	0.0
	DD	237	0	5.1	4.9	0.2	26	0.0
	DNH	436	0	10.0	10.0	0.0	398	0.0
SR	AMNSIL	782	0	12.4	1.4	1.2	339	0.0
	Andhra Pradesh	9423	0	186.6	67.7	-0.1	601	0.0
	Telangana	7173	0	153.9	81.3	2.0	730	0.0
	Karnataka	9194	0	175.2	62.3	1.5	577	0.0
	Kerala	3055	0	64.2	44.6	0.1	137	0.0
	Tamil Nadu	12868	0	299.3	126.9	-4.5	545	0.0
ER	Puducherry	362	0	7.6	8.0	-0.4	26	0.0
	Bihar	4959	0	85.3	80.9	-0.5	303	0.0
	DVC	2851	0	62.3	-33.3	0.7	329	0.0
	Jharkhand	1347	0	26.5	19.3	-1.7	214	0.0
	Odisha	4417	0	93.9	16.3	0.2	425	0.0
NER	West Bengal	8022	0	157.4	54.7	2.6	653	0.0
	Sikkim	95	0	1.4	1.4	-0.1	30	0.0
	Arunachal Pradesh	89	1	1.7	2.1	-0.3	4	0.0
	Assam	1567	15	24.2	20.5	-0.2	101	0.0
	Manipur	181	1	2.4	2.5	-0.1	21	0.0
	Meghalaya	317	0	4.5	1.1	-0.2	53	0.0
	Mizoram	94	0	1.7	1.3	0.1	20	0.0
Nagaland	108	1	2.1	2.1	-0.1	10	0.0	
Tripura	260	2	4.3	5.3	-0.1	72	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.5	-0.1	-25.1
Day Peak (MW)	1946.8	-95.2	-1123.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.8	-254.3	112.0	-92.7	-4.8	0.0
Actual(MU)	214.2	-241.1	118.2	-87.8	-8.4	-4.8
O/D/U/D(MU)	-25.6	13.2	6.2	5.0	-3.5	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5407	18213	10712	2610	344	37285
State Sector	16965	25109	13648	5922	11	61655
Total	22372	43322	24360	8532	355	98940

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	343	884	353	411	9	2001
Lignite	27	15	38	0	0	80
Hydro	288	44	64	122	21	538
Nuclear	27	36	46	0	0	110
Gas, Naptha & Diesel	28	70	17	0	26	140
RES (Wind, Solar, Biomass & Others)	70	120	258	5	0	454
Total	783	1170	776	538	56	3322

Share of RES in total generation (%)	9.01	10.29	33.29	0.90	0.04	13.67
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.25	17.14	47.39	23.66	37.11	33.16

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.039
Based on State Max Demands	1.083

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: 07-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	309	0.0	7.4	-7.4	
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	D/C	0	368	0.0	4.1	-4.1	
4	765 kV	SASARAM-FATEHPUR	S/C	166	80	0.0	0.5	-0.5	
5	765 kV	GAYA-BALIA	S/C	0	337	0.0	5.1	-5.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	219	0.0	4.3	-4.3	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	95	0.0	1.5	-1.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	611	0.0	11.3	-11.3	
9	400 kV	PATNA-BALIA	Q/C	0	543	0.0	10.0	-10.0	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	250	0.0	3.9	-3.9	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	203	0.0	3.5	-3.5	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	134	73	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	16	151	0.0	2.8	-2.8	
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	0.5	60.1	-59.7
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1069	0	17.8	0.0	17.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1006	0	11.6	0.0	11.6	
3	765 kV	JHARSUGUDA-DURG	D/C	71	110	0.0	0.4	-0.4	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	186	44	1.1	0.0	1.1	
5	400 kV	RANCHI-SIPAT	D/C	351	0	4.1	0.0	4.1	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	30	64	0.0	0.6	-0.6	
7	220 kV	BUDHIPADAR-KORBA	D/C	208	0	3.7	0.0	3.7	
						ER-WR	38.4	1.1	37.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	488	0.0	7.6	-7.6	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1275	0.0	35.5	-35.5	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2817	0.0	51.5	-51.5	
4	400 kV	TALCHER-I/C	D/C	396	502	0.0	4.2	-4.2	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	94.5	-94.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	12	270	0.0	1.5	-1.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	466	0.0	3.8	-3.8	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	97	0.0	0.9	-0.9	
						ER-NER	0.0	6.1	-6.1
Import/Export of NER (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	602	0.0	26.7	-26.7	
2	HVDC	V'CHAL B/B	D/C	200	505	0.4	6.7	-6.4	
3	HVDC	APL -MHG	D/C	0	982	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	2246	0.0	31.6	-31.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	1279	0.0	21.2	-21.2	
6	765 kV	JABALPUR-ORAI	D/C	0	960	0.0	30.4	-30.4	
7	765 kV	GWALIOR-ORAI	S/C	392	0	6.5	0.0	6.5	
8	765 kV	SATNA-ORAI	S/C	0	1233	0.0	22.6	-22.6	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	248	1002	0.0	6.4	-6.4	
10	400 kV	ZERDA-KANKROLI	S/C	122	153	0.7	0.7	0.0	
11	400 kV	ZERDA -BHINMAL	S/C	159	224	1.2	1.0	0.2	
12	400 kV	V'CHAL -RIHAND	S/C	967	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	D/C	0	338	0.0	3.7	-3.7	
14	220 kV	BHANPURA-RANPUR	S/C	15	74	1.8	2.9	-1.1	
15	220 kV	BHANPURA-MORAK	S/C	0	110	0.0	0.0	0.0	
16	220 kV	MEHGAON-AURAIYA	S/C	180	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.0	0.0	
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	32.6	178.2	-145.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	19.3	-19.3	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	297	0.0	2.7	-2.7	
4	765 kV	SOLAPUR-RAICHUR	D/C	837	1857	2.2	16.0	-13.8	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2316	0.0	33.1	-33.1	
6	400 kV	KOLHAPUR-KUDGI	D/C	751	40	9.1	0.0	9.1	
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	0	93	1.8	0.0	1.8	
						WR-SR	13.1	71.1	-58.0
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	257	161	175	4.2			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	585	580	688	16.5			
	ER	TALA (6 * 170) BINAGURI RECEIPT	949	589	818	19.6			
	NER	132KV-SALAKATI - GELEPHU	0	0	30	0.7			
	NER	132KV-RANGIA - DEOTHANG	0	0	57	1.4			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-9	0	-1	0.0			
	ER	132KV-BIHAR - NEPAL	-10	-3	-2	0.0			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-76	26	0	0.0			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-964	-759	-901	-21.6			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	80	0	-72	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	79	0	-72	-1.7			