



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: 05th 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 04.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th 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: 05-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)	42146	36681	36690	18379	2312	136208
Peak Shortage (MW)	488	0	0	0	12	500
Energy Met (MU)	1009	841	877	415	41	3183
Hydro Gen (MU)	279	35	68	103	20	505
Wind Gen (MU)	3	66	112	-	-	181
Solar Gen (MU)*	33.19	20.70	70.74	4.57	0.02	129
Energy Shortage (MU)	10.6	0.0	0.0	0.0	0.0	10.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47281	35999	40046	19836	2380	138280
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	15:02	14:52	00:18	19:07	22:14

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	2.68	2.68	82.84	14.48

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	6732	0	146.5	109.6	-0.7	306	0.0
	Haryana	5868	0	126.0	120.2	-0.6	446	0.0
	Rajasthan	9482	0	201.2	75.5	-0.7	481	0.0
	Delhi	4186	0	85.1	74.9	-2.0	64	0.0
	UP	18335	0	342.0	200.8	-2.7	1117	0.0
	Uttarakhand	1637	0	35.1	16.8	-0.1	128	0.0
	HP	1271	0	24.9	1.5	0.8	168	0.0
	J&K(UT) & Ladakh(UT)	2115	529	44.4	20.0	1.4	176	10.6
WR	Chhattisgarh	221	0	4.1	4.0	0.1	27	0.0
	Chhattisgarh	3263	0	76.4	24.4	2.0	267	0.0
	Gujarat	14581	0	298.3	91.1	1.1	592	0.0
	MP	6776	0	143.2	65.0	-2.6	1002	0.0
	Maharashtra	13766	0	283.6	81.8	-0.6	580	0.0
	Goa	400	0	8.4	7.8	0.1	74	0.0
	DD	228	0	4.1	3.9	0.2	32	0.0
	AMNSIL	786	0	17.7	1.4	0.3	262	0.0
SR	Andhra Pradesh	8227	0	174.3	61.8	-0.7	523	0.0
	Telangana	6570	0	142.8	72.8	1.6	626	0.0
	Karnataka	8150	0	166.4	57.1	-0.7	604	0.0
	Kerala	3204	0	66.3	48.7	0.3	199	0.0
	Tamil Nadu	13979	0	319.5	150.1	-0.1	526	0.0
	Puducherry	371	0	7.8	7.9	-0.1	22	0.0
ER	Bihar	5068	0	100.7	94.0	1.4	120	0.0
	DVC	2768	0	59.5	-40.4	-0.3	443	0.0
	Jharkhand	1259	0	25.0	18.6	-2.1	119	0.0
	Odisha	3822	0	79.6	10.9	-1.3	235	0.0
	West Bengal	7509	0	148.8	54.2	2.0	680	0.0
NER	Sikkim	99	0	1.4	1.5	-0.1	19	0.0
	Arunachal Pradesh	100	1	2.0	1.9	0.1	38	0.0
	Assam	1424	20	23.9	20.7	0.0	111	0.0
	Manipur	182	1	2.4	2.2	0.2	28	0.0
	Meghalaya	303	0	5.1	1.0	-0.3	34	0.0
	Mizoram	95	1	1.7	1.4	0.2	34	0.0
	Nagaland	118	2	2.3	2.1	0.1	21	0.0
Tripura	233	5	3.8	4.5	-0.4	36	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	29.9	-1.3	-25.7
Day Peak (MW)	1435.5	-223.5	-1111.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	264.0	-257.1	100.9	-104.1	-3.7	0.0
Actual(MU)	259.1	-284.0	118.8	-91.6	-6.3	-4.0
O/D/U/D(MU)	-5.0	-26.8	17.9	12.5	-2.7	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5105	20203	9112	1450	377	36246
State Sector	16950	24174	13438	4962	11	59535
Total	22055	44377	22550	6412	388	95781

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	357	885	371	431	9	2053
Lignite	23	14	36	0	0	74
Hydro	279	35	68	103	20	505
Nuclear	28	37	46	0	0	110
Gas, Naptha & Diesel	28	69	18	0	24	139
RES (Wind, Solar, Biomass & Others)	58	96	226	5	0	384
Total	772	1135	766	538	54	3265

Share of RES in total generation (%)	7.46	8.44	29.54	0.86	0.04	11.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.12	14.71	44.48	19.92	38.11	30.60

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.053
Based on State Max Demands	1.111

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: 05-Jun-2020

SI 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	4	247	0.0	2.0	-2.0	
3	765 kV	GAYA-VARANASI	D/C	0	513	0.0	8.9	-8.9	
4	765 kV	SASARAM-FATEHPUR	S/C	123	160	0.0	0.7	-0.7	
5	765 kV	GAYA-BALIA	S/C	0	432	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	S/C	60	194	0.0	1.0	-1.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	112	95	0.7	0.0	0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	636	0.0	12.5	-12.5	
9	400 kV	PATNA-BALIA	Q/C	0	819	0.0	14.4	-14.4	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	321	0.0	5.4	-5.4	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	307	0.0	4.9	-4.9	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	7	148	0.0	0.4	-0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	167	0.0	3.2	-3.2	
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	0.3	0.0	0.3	
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	1.0	68.0	-67.0
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1062	0	15.2	0.0	15.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1218	0	18.3	0.0	18.3	
3	765 kV	JHARSUGUDA-DURG	D/C	115	60	0.9	0.0	0.9	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	342	66	3.7	0.0	3.7	
5	400 kV	RANCHI-SIPAT	D/C	444	0	6.9	0.0	6.9	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	22	90	0.0	0.7	-0.7	
7	220 kV	BUDHIPADAR-KORBA	D/C	216	0	3.8	0.0	3.8	
						ER-WR	48.7	0.7	48.0
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	274	0.0	6.1	-6.1	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1505	0.0	40.7	-40.7	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2967	0.0	50.2	-50.2	
4	400 kV	TALCHER-I/C	D/C	284	790	0.0	7.5	-7.5	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	96.9	-96.9
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	7	316	0.0	2.9	-2.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	466	0.0	5.2	-5.2	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	86	0.0	1.0	-1.0	
						ER-NER	0.0	9.2	-9.2
Import/Export of ER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.3	-17.3	
						NER-NR	0.0	17.3	-17.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	28.6	-28.6	
2	HVDC	V'CHAL B/B	D/C	0	205	0.0	4.9	-4.9	
3	HVDC	APL -MHG	D/C	0	981	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	2545	0.0	44.9	-44.9	
5	765 kV	PHAGI-GWALIOR	D/C	0	1124	0.0	22.1	-22.1	
6	765 kV	JABALPUR-ORAI	D/C	0	1062	0.0	39.3	-39.3	
7	765 kV	GWALIOR-ORAI	S/C	338	0	7.0	0.0	7.0	
8	765 kV	SATNA-ORAI	S/C	0	1259	0.0	25.8	-25.8	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	823	0.0	10.2	-10.2	
10	400 kV	ZERDA-KANKROLI	S/C	41	94	0.0	0.5	-0.5	
11	400 kV	ZERDA -BHINMAL	S/C	66	124	0.0	0.8	-0.8	
12	400 kV	V'CHAL -RIHAND	S/C	976	0	20.3	0.0	20.3	
13	400 kV	RAPP-SHUJALPUR	D/C	0	362	0.0	3.1	-3.1	
14	220 kV	BHANPURA-RANPUR	S/C	0	88	2.0	3.2	-1.2	
15	220 kV	BHANPURA-MORAK	S/C	0	138	0.0	2.0	-2.0	
16	220 kV	MEHGAON-AURAIYA	S/C	169	0	3.2	0.0	3.2	
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	32.5	209.6	-177.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	107	522	0.0	5.5	-5.5	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	449	0.0	0.0	0.0	
4	765 kV	SOLAPUR-RAICHUR	D/C	410	1882	0.6	23.1	-22.5	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2425	0.0	35.4	-35.4	
6	400 kV	KOLHAPUR-KUDGI	D/C	664	9	7.8	0.0	7.8	
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	103	1.5	0.0	1.5	
						WR-SR	10.0	64.0	-54.0

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	163	148	132	3.2
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	528	474	463	11.1
	ER	TALA (6 * 170) BINAGURI RECEIPT	588	519	510	12.2
	NER	132KV-SALAKATI - GELEPHU	1	0	19	0.5
	NER	132KV-RANGIA - DEOTHANG	0	0	52	1.2
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.3
	ER	132KV-BIHAR - NEPAL	-77	-3	-28	-0.7
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-114	-2	-14	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-965	-766	-940	-22.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	73	0	-67	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	73	0	-64	-1.5