



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: 16th 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 15.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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: 16-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)	58023	39065	37686	18703	2737	156214
Peak Shortage (MW)	505	0	0	0	8	513
Energy Met (MU)	1359	931	891	408	50	3640
Hydro Gen (MU)	365	43	74	130	17	629
Wind Gen (MU)	11	62	199	-	-	272
Solar Gen (MU)*	39.80	22.20	69.31	4.76	0.03	136
Energy Shortage (MU)	10.7	0.1	0.0	0.0	0.0	10.8
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63021	40256	40810	19303	2846	162359
Time Of Maximum Demand Met (From NLDC SCADA)	22:39	14:45	15:56	21:51	18:57	22:22

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	0.027	0.00	0.12	3.00	3.11	77.68	19.21

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	11898	0	264.4	147.7	-1.3	179	0.0
	Haryana	8171	0	183.7	129.5	1.6	438	0.0
	Rajasthan	11632	0	251.1	91.2	1.7	594	0.0
	Delhi	5686	0	111.7	92.1	-2.5	183	0.1
	UP	21480	0	432.1	225.3	0.7	820	0.0
	Uttarakhand	1743	0	38.9	19.0	-0.4	101	0.0
	HP	1293	0	26.4	-3.1	-0.7	35	0.0
	J&K(UT) & Ladakh(UT)	2236	559	44.6	19.9	1.6	164	10.6
WR	Chandigarh	322	0	6.3	6.1	0.2	42	0.0
	Chhattisgarh	3315	0	75.7	22.9	-1.8	202	0.0
	Gujarat	13127	0	274.0	82.1	-0.3	532	0.0
	MP	7702	0	172.8	96.0	-0.7	460	0.0
	Maharashtra	16593	0	364.1	145.7	0.2	500	0.0
	Goa	503	0	9.7	9.5	-0.1	94	0.1
	DD	246	0	5.2	5.1	0.1	18	0.0
	DNH	529	0	11.9	11.8	0.1	22	0.0
SR	AMNSIL	817	0	17.8	6.2	-0.1	197	0.0
	Andhra Pradesh	8170	0	173.0	41.7	2.1	723	0.0
	Telangana	7495	0	154.7	86.0	0.9	550	0.0
	Karnataka	9265	0	175.8	52.1	0.0	584	0.0
	Kerala	3239	0	65.2	46.0	0.0	162	0.0
	Tamil Nadu	13991	0	314.2	125.9	-1.6	379	0.0
	Puducherry	386	0	8.1	8.3	-0.2	44	0.0
	ER	Bihar	5153	0	97.2	94.3	-2.6	379
DVC		2811	0	59.7	-31.8	0.4	278	0.0
Jharkhand		1222	0	23.6	17.8	-2.5	200	0.0
Odisha		3806	0	78.5	13.1	0.0	286	0.0
West Bengal		7347	0	147.9	46.1	1.4	487	0.0
NER	Sikkim	94	0	1.3	1.4	-0.1	31	0.0
	Arunachal Pradesh	116	1	2.1	1.7	0.5	20	0.0
	Assam	1781	0	31.6	27.2	0.0	106	0.0
	Manipur	186	2	2.6	2.3	0.3	27	0.0
	Meghalaya	298	0	5.4	0.2	0.0	52	0.0
	Mizoram	91	1	1.6	1.3	0.2	15	0.0
	Nagaland	132	2	2.1	2.2	-0.3	14	0.0
Tripura	278	2	5.0	5.7	0.1	56	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	48.5	-1.9	-26.3
Day Peak (MW)	2129.0	-230.4	-1130.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	294.0	-309.2	99.7	-84.0	-0.4	0.0
Actual(MU)	283.7	-312.7	108.8	-90.3	1.0	-9.4
O/D/U/D(MU)	-10.2	-3.5	9.2	-6.3	1.4	-9.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	3591	15603	12082	2370	344	33989
State Sector	7770	24203	14428	5592	11	52004
Total	11361	39806	26510	7962	355	85993

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	543	985	303	399	10	2240
Lignite	27	16	39	0	0	82
Hydro	365	43	74	130	17	629
Nuclear	27	36	47	0	0	110
Gas, Naptha & Diesel	59	77	16	0	28	182
RES (Wind, Solar, Biomass & Others)	72	97	314	5	0	488
Total	1093	1254	793	534	56	3731

Share of RES in total generation (%)	6.58	7.74	39.59	0.90	0.05	13.08
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.35	14.06	54.86	25.30	30.87	32.89

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.066

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: 16-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	1001	0.0	18.3	-18.3	
2	HVDC	PUSAULI B/B	S/C	0	398	0.0	10.0	-10.0	
3	765 kV	GAYA-VARANASI	D/C	128	415	0.0	3.1	-3.1	
4	765 kV	SASARAM-FATEHPUR	S/C	35	177	0.7	0.0	0.7	
5	765 kV	GAYA-BALIA	S/C	0	425	0.0	5.9	-5.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	327	0.0	7.3	-7.3	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	143	0.0	2.4	-2.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	849	0.0	12.4	-12.4	
9	400 kV	PATNA-BALIA	Q/C	0	971	0.0	14.5	-14.5	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	402	0.0	4.9	-4.9	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	317	0.0	4.8	-4.8	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	202	111	1.4	0.0	1.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	77	0.0	1.5	-1.5	
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-CHANDAUJI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	2.3	85.1	-82.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1561	0	26.2	0.0	26.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1071	0	16.8	0.0	16.8	
3	765 kV	JHARSUGUDA-DURG	D/C	247	0	3.6	0.0	3.6	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	400	0	5.3	0.0	5.3	
5	400 kV	RANCHI-SIPAT	D/C	469	0	8.4	0.0	8.4	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	26	111	0.0	0.7	-0.7	
7	220 kV	BUDHIPADAR-KORBA	D/C	233	0	4.2	0.0	4.2	
						ER-WR	64.6	0.7	63.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	113	370	0.0	6.7	-6.7	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	2036	0.0	44.6	-44.6	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2547	0.0	43.3	-43.3	
4	400 kV	TALCHER-I/C	D/C	683	1715	0.0	13.6	-13.6	
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	0	541	0.0	6.0	-6.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	0	636	0.0	7.7	-7.7	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	145	0.0	2.0	-2.0	
						ER-NER	0.0	15.6	-15.6
Import/Export of ER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	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	1754	0.0	59.0	-59.0	
2	HVDC	V'CHAL B/B	D/C	0	205	0.0	4.6	-4.6	
3	HVDC	APL -MHG	D/C	0	1453	0.0	29.4	-29.4	
4	765 kV	GWALIOR-AGRA	D/C	0	2706	0.0	45.1	-45.1	
5	765 kV	PHAGI-GWALIOR	D/C	0	1235	0.0	18.3	-18.3	
6	765 kV	JABALPUR-ORAI	D/C	0	950	0.0	28.6	-28.6	
7	765 kV	GWALIOR-ORAI	S/C	337	0	6.7	0.0	6.7	
8	765 kV	SATNA-ORAI	S/C	0	1521	0.0	30.3	-30.3	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1009	0.0	12.6	-12.6	
10	400 kV	ZERDA-KANKROLI	S/C	55	126	0.0	0.5	-0.5	
11	400 kV	ZERDA -BHINMAL	S/C	88	226	0.0	1.1	-1.1	
12	400 kV	V'CHAL -RIHAND	S/C	967	0	22.5	0.0	22.5	
13	400 kV	RAPP-SHUJALPUR	D/C	49	393	0.0	3.3	-3.3	
14	220 kV	BHANPURA-RANPUR	S/C	49	49	0.7	2.5	-1.8	
15	220 kV	BHANPURA-MORAK	S/C	14	63	0.0	0.7	-0.7	
16	220 kV	MEHGAON-AURAIYA	S/C	134	0	2.5	0.0	2.5	
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	32.3	235.9	-203.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	14.9	-14.9	
2	HVDC	BARSUR-L.SILERU	-	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	885	1889	0.0	14.5	-14.5	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2200	0.0	30.3	-30.3	
6	400 kV	KOLHAPUR-KUDGI	D/C	929	0	11.4	0.0	11.4	
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
8	220 kV	PONDA-AMBEWADI	S/C	2	0	0.0	0.0	0.0	
9	220 kV	XELDEM-AMBEWADI	S/C	1	68	0.5	0.0	0.5	
						WR-SR	11.9	59.8	-47.9
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	263	246	215	5.2			
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	583	583	581	14.0			
	ER	TALA (6 * 170) BINAGURI RECEIPT	1006	1001	1036	24.9			
	NER	132KV-SALAKATI - GELEPHU	0	0	36	0.9			
	NER	132KV-RANGIA - DEOTHANG	0	0	58	1.4			
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	-21	0	-11	-0.3			
	ER	132KV-BIHAR - NEPAL	-45	-1	-10	-0.2			
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-164	-2	-57	-1.4			
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-962	-958	-951	-22.8			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	84	0	-71	-1.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	84	0	-72	-1.7			