



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: 01st July 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 30.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जून-2019 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 30th June 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

1-Jul-19

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)	59498	41420	36707	19793	2739	160157
Peak Shortage (MW)	1206	0	0	0	158	1364
Energy Met (MU)	1447	988	879	444	53	3812
Hydro Gen (MU)	350	7	34	90	22	502
Wind Gen (MU)	48	125	173	-----	-----	346
Solar Gen (MU)*	28.60	16.76	55.52	2.06	0.04	103
Energy Shortage (MU)	11.7	0.0	0.0	0.0	1.1	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	64788 01:12	43172 11:50	37372 08:09	21245 00:00	2788 20:09	166563 00:00

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	0.042	0.00	0.15	4.59	4.75	66.32	28.94

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	12876	0	286.0	142.0	-2.4	81	0.0
	Haryana	9939	195	211.8	145.4	-0.3	160	1.4
	Rajasthan	11393	0	246.4	56.1	-1.8	293	0.0
	Delhi	6623	0	136.0	114.4	-0.1	320	0.1
	UP	20914	0	445.1	209.7	1.3	680	0.0
	Uttarakhand	2020	0	44.9	16.7	0.4	234	0.0
	HP	1299	0	28.5	1.5	-1.1	18	0.0
	J&K	2116	529	42.3	17.9	-0.7	343	10.1
WR	Chhattisgarh	322	0	6.1	6.8	-0.7	10	0.0
	Chhattisgarh	3759	0	86.3	35.7	-1.7	270	0.0
	Gujarat	14577	0	319.5	64.6	3.4	606	0.0
	MP	7753	0	171.4	96.2	0.0	609	0.0
	Maharashtra	16471	0	371.1	86.6	-1.7	502	0.0
	Goa	541	0	10.0	9.4	0.0	47	0.0
	DD	300	0	6.8	6.5	0.3	36	0.0
	DNH	743	0	17.4	17.6	-0.2	53	0.0
SR	Essar steel	304	0	5.7	5.5	0.2	329	0.0
	Andhra Pradesh	8029	0	174.3	17.3	-1.2	442	0.0
	Telangana	6359	0	136.3	34.4	0.7	491	0.0
	Karnataka	8590	0	170.3	59.7	-0.1	520	0.0
	Kerala	3546	0	70.3	60.6	1.5	264	0.0
	Tamil Nadu	14313	0	319.5	128.6	-0.5	471	0.0
	Pondy	387	0	8.1	8.2	-0.2	46	0.0
	Bihar	5166	0	100.3	97.1	0.9	400	0.0
ER	DVC	2920	0	66.5	-42.4	0.8	220	0.0
	Jharkhand	1068	0	25.7	16.2	0.3	150	0.0
	Odisha	3689	0	88.4	26.6	1.2	392	0.0
	West Bengal	8211	0	162.5	54.9	2.2	400	0.0
	Sikkim	87	0	1.0	1.1	-0.1	30	0.0
NER	Arunachal Pradesh	130	1	2.2	2.3	-0.1	158	0.0
	Assam	1756	95	32.7	25.8	1.4	171	1.0
	Manipur	171	2	2.7	2.4	0.3	42	0.0
	Meghalaya	315	0	6.0	1.7	-0.2	64	0.0
	Mizoram	86	1	1.7	1.3	0.2	51	0.0
	Nagaland	125	2	2.2	2.5	-0.5	8	0.0
	Tripura	267	11	5.5	4.3	0.1	70	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.5	-8.3	-25.4
Day peak (MW)	790.2	-514.5	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.0	-268.8	23.4	-56.4	-7.1	0.1
Actual(MU)	309.3	-285.5	25.4	-45.5	-3.4	0.3
O/D/U/D(MU)	0.3	-16.7	2.0	11.0	3.7	0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4434	16900	7792	1525	56	30707
State Sector	4985	16838	8020	3300	50	33193
Total	9419	33738	15812	4825	106	63899

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	642	1047	445	426	11	2571
Lignite	18	17	45	0	0	79
Hydro	350	7	34	90	22	502
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	31	31	13	0	29	104
RES (Wind, Solar, Biomass & Others)	93	152	265	2	0	512
Total	1161	1285	856	519	62	3881

Share of RES in total generation (%)	8.03	11.80	30.92	0.40	0.06	13.18
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	40.54	14.72	41.24	17.82	35.03	29.03

H. Diversity Factor

All India Demand Diversity Factor	1.017
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Diversity factor = Sum of regional maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : 1-Jul-19

Import=(+ve)
/Export =(-ve) for
NET (MU)

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	765kV	GAYA-VARANASI	D/C	95	310	0.0	3.5	-3.5	
2		SASARAM-FATEHPUR	S/C	277	14	3.7	0.0	3.7	
3		GAYA-BALIA	S/C	0	572	0.0	10.8	-10.8	
4		ALIPURDUAR-AGRA	-	0	1201	0.0	25.9	-25.9	
5		PUSAULI B/B	S/C	0	346	0.0	8.7	-8.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	300	0.0	6.7	-6.7	
7		PUSAULI -ALLAHABAD	S/C	0	113	0.0	1.8	-1.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	596	0.0	7.9	-7.9	
9		PATNA-BALIA	Q/C	0	1123	0.0	18.4	-18.4	
10		BIHARSHARIFF-BALIA	D/C	0	433	0.0	7.7	-7.7	
11		MOTIHARI-GORAKHPUR	D/C	287	22	4.3	0.0	4.3	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	245	76	3.1	0.0	3.1	
13		PUSAULI-SAHUPURI	S/C	0	192	0.0	3.9	-3.9	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5
16			KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						11.6	95.1	-83.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1366	0	19.5	0.0	19.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1277	0	23.0	0.0	23.0	
20		JHARSUGUDA-DURG	D/C	293	54	3.5	0.0	3.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	345	0	5.2	0.0	5.2	
22		RANCHI-SIPAT	D/C	511	0	11.7	0.0	11.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	29	80	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	230	0	4.0	0.0	4.0	
ER-WR						66.8	0.6	66.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	716.0	0.0	19.7	-19.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	360.0	0.0	7.3	-7.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1187.0	0.0	25.4	-25.4	
28	400 kV	TALCHER-I/C	D/C	586.0	443.0	1.5	0.0	1.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	52.3	-52.3	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	640	0.0	9.4	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	244	243	0.9	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.3	-1	
ER-NER						0.9	10.7	-9.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	602	0.0	14.4	-14.4	
NER-NR						0.0	14.4	-14.4	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	3034	0.0	59.5	-59.5	
35		V'CHAL B/B	D/C	0	253	0.0	4.9	-4.9	
36		APL -MHG	D/C	0	2098	0.0	44.1	-44.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2726	0.0	52.1	-52.1	
38		PHAGI-GWALIOR	D/C	0	1056	0.0	17.8	-17.8	
39		JABALPUR-ORAI	D/C	0	998	0.0	37.2	-37.2	
40		GWALIOR-ORAI	S/C	380	0	6.8	0.0	6.8	
41		SATNA-ORAI	S/C	0	1435	0.0	31.1	-31.1	
42		CHITTORGARH-BANASKANTHA	D/C	322	384	0.0	1.1	1.1	
43	400 kV	ZERDA-KANKROLI	S/C	171	28	1.4	0.0	1.4	
44		ZERDA -BHINMAL	S/C	327	0	4.4	0.0	4.4	
45		V'CHAL -RIHAND	S/C	975	0	22.2	0.0	22.2	
46	220 kV	RAPP-SHUJALPUR	D/C	48	285	0	2	-2	
47		BHANPURA-RANPUR	S/C	37	45	0.1	0.4	-0.4	
48		BHANPURA-MORAK	S/C	8	89	0.0	1.3	-1.3	
49		MEHGAON-AURAIYA	S/C	53	46	0.2	0.3	-0.1	
50		MALANPUR-AURAIYA	S/C	16	64	0.0	0.8	-0.8	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.1	252.1	-214.8	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	185	302	1.2	3.0	-1.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	656	802	0.8	0.0	0.8	
55		WARDHA-NIZAMABAD	D/C	0	1207	0.0	13.3	-13.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	892	0	12.9	0.0	12.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	91	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	50	0.8	0.0	0.8	
WR-SR						15.7	17.7	-1.9	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						18.5	
61		NEPAL						-8.3	
62		BANGLADESH						-25.4	