



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: 25th June 2019

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. मुख्य महाप्रबंधक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, 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 24.06.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24rd June 2019, 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

25-Jun-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)	54587	47271	41707	20658	2687	166910
Peak Shortage (MW)	531	0	0	0	276	807
Energy Met (MU)	1318	1096	929	477	54	3874
Hydro Gen (MU)	341	12	47	87	17	503
Wind Gen (MU)	11	33	110	-----	-----	154
Solar Gen (MU)*	22.28	19.1	71.54	2.23	0.03	115
Energy Shortage (MU)	13.6	0.0	0.0	0.0	1.1	14.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	59191 23:09	48599 15:02	42065 19:37	23192 23:33	2765 20:19	172959 22:39

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	0.033	0.00	0.46	5.27	5.73	78.02	16.25

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	11561	0	249.8	129.4	-0.7	306	0.0
	Haryana	9123	0	197.7	144.7	0.1	205	0.0
	Rajasthan	11035	0	240.6	81.4	1.6	500	0.0
	Delhi	5876	0	123.2	101.0	1.1	443	0.0
	UP	19038	180	383.0	168.7	1.2	734	2.3
	Uttarakhand	1868	0	40.1	13.7	-0.4	114	0.0
	HP	1397	0	28.7	2.7	-0.8	53	0.0
	J&K	2189	386	48.5	21.3	2.2	681	11.3
WR	Chandigarh	328	0	6.2	7.0	-0.8	29	0.0
	Chhattisgarh	3826	0	85.2	33.5	2.1	540	0.0
	Gujarat	15833	0	340.6	81.0	5.2	641	0.0
	MP	8291	0	190.4	107.0	-0.1	494	0.0
	Maharashtra	19213	0	436.2	123.2	1.4	343	0.0
	Goa	541	0	12.4	11.7	0.1	61	0.0
	DD	318	0	7.2	7.0	0.2	36	0.0
	DNH	804	0	18.6	18.8	-0.2	45	0.0
SR	Essar steel	329	0	5.6	5.8	-0.2	246	0.0
	Andhra Pradesh	8450	0	176.2	43.3	1.1	568	0.0
	Telangana	7287	0	151.8	35.8	-0.6	489	0.0
	Karnataka	10114	0	191.5	70.2	1.3	836	0.0
	Kerala	3656	0	71.4	55.6	2.0	254	0.0
	Tamil Nadu	15111	0	329.9	130.5	-0.4	401	0.0
	Pondy	404	0	8.4	8.7	-0.3	47	0.0
	ER	Bihar	5363	0	109.3	104.7	-0.2	50
DVC		3359	0	66.7	-51.9	0.0	200	0.0
Jharkhand		1172	0	25.3	16.0	0.1	100	0.0
Odisha		4360	0	91.1	30.4	2.9	500	0.0
West Bengal		9135	0	183.4	61.1	4.6	400	0.0
Sikkim		99	0	1.2	1.5	-0.3	20	0.0
NER	Arunachal Pradesh	123	1	2.4	2.6	-0.3	41	0.0
	Assam	1678	172	33.2	27.9	1.0	95	1.0
	Manipur	174	2	2.6	2.3	0.3	38	0.0
	Meghalaya	304	0	5.6	2.5	0.3	54	0.0
	Mizoram	99	2	1.9	1.4	0.3	32	0.0
	Nagaland	136	1	2.4	2.5	-0.2	29	0.0
	Tripura	289	16	5.7	4.9	0.4	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.3	-11.0	-26.2
Day peak (MW)	649.8	-570.0	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	280.1	-275.8	26.7	-31.7	0.6	-0.2
Actual(MU)	278.0	-274.6	33.2	-30.2	0.7	7.2
O/D/U/D(MU)	-2.1	1.3	6.5	1.5	0.2	7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5438	14609	8092	2525	155	30819
State Sector	6110	11833	7310	2750	50	28053
Total	11548	26442	15402	5275	204	58871

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	584	1215	520	432	13	2765
Lignite	22	13	43	0	0	78
Hydro	341	12	47	87	17	503
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	40	57	14	0	29	140
RES (Wind, Solar, Biomass & Others)	48	56	217	2	0	324
Total	1063	1384	895	522	59	3923

Share of RES in total generation (%)	4.55	4.08	24.24	0.44	0.05	8.26
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.18	7.14	35.59	17.10	28.53	23.96

H. Diversity Factor

All India Demand Diversity Factor	1.016
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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 : 25-Jun-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	0	0	0.0	7.6	-7.6
2		SASARAM-FATEHPUR	S/C	0	0	0.0	0.0	0.0
3		GAYA-BALIA	S/C	0	0	0.0	9.1	-9.1
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	10.1	-10.1
5		PUSAULI B/B	S/C	0	0	0.0	4.9	-4.9
6	400 kV	PUSAULI-VARANASI	S/C	0	0	0.0	3.9	-3.9
7		PUSAULI -ALLAHABAD	S/C	0	0	0.0	0.7	-0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	0	0.0	8.0	-8.0
9		PATNA-BALIA	Q/C	0	0	0.0	17.7	-17.7
10		BIHARSHARIFF-BALIA	D/C	0	0	0.0	4.4	-4.4
11		MOTIHARI-GORAKHPUR	D/C	0	0	6.0	0.0	6.0
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.9	0.0	0.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	3.3	-3.3
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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						7.3	69.6	-62.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	0	0	21.2	0.0	21.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	23.0	0.0	23.0
20		JHARSUGUDA-DURG	D/C	0	0	2.7	0.0	2.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	8.0	0.0	8.0
22		RANCHI-SIPAT	D/C	0	0	7.6	0.0	7.6
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	0	0	1.6	0.0	1.6
ER-WR						64.1	0.6	63.5
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.7	-20.7
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	0.0	0.0	8.6	-8.6
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	0.0	0.0	21.5	-21.5
28	400 kV	TALCHER-I/C	D/C	0.0	0.0	5.4	0.0	5.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	50.7	-50.7
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	0	0.0	8.5	-9
31		ALIPURDUAR-BONGAIGAON	D/C	0	0	0.0	2.2	-2
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.5	0
ER-NER						0.0	11.2	-11.2
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.9	-11.9
NER-NR						0.0	11.9	-11.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	47.8	-47.8
35		V'CHAL B/B	D/C	452	0	12.3	0.0	12.3
36		APL -MHG	D/C	0	1732	0.0	42.6	-42.6
37	765 kV	GWALIOR-AGRA	D/C	0	2856	0.0	54.7	-54.7
38		PHAGI-GWALIOR	D/C	0	1448	0.0	29.6	-29.6
39		JABALPUR-ORAI	D/C	0	1076	0.0	41.4	-41.4
40		GWALIOR-ORAI	S/C	660	0	11.8	0.0	11.8
41		SATNA-ORAI	S/C	0	1527	0.0	31.8	-31.8
42		CHITTORGARH-BANASKANTHA	D/C	373	346	0.0	0.1	0.1
43		ZERDA-KANKROLI	S/C	132	74	1.2	0.1	1.1
44	400 kV	ZERDA -BHINMAL	S/C	232	189	1.5	0.3	1.2
45		V'CHAL -RIHAND	S/C	978	0	22.2	0.0	22.2
46	220 kV	RAPP-SHUJALPUR	D/C	0	511	0	4	-4
47		BHANPURA-RANPUR	S/C	9	74	0.0	0.7	-0.7
48		BHANPURA-MORAK	S/C	0	106	0.0	1.8	-1.8
49		MEHGAON-AURAIYA	S/C	41	18	0.3	0.1	0.2
50	132kV	MALANPUR-AURAIYA	S/C	10	48	0.0	0.6	-0.6
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						49.3	255.2	-205.6
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	610	0.0	10.6	-10.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	817	941	0.0	3.7	-3.7
55		WARDHA-NIZAMABAD	D/C	467	1313	0.0	11.9	-11.9
56	400 kV	KOLHAPUR-KUDGI	D/C	843	0	12.6	0.0	12.6
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7
WR-SR						13.3	27.5	-14.2
TRANSNATIONAL EXCHANGE								
60		BHUTAN						10.3
61		NEPAL						-11.0
62		BANGLADESH						-26.2