



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: 24th May 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., डोंगतेह, 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 23.05.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-मई-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 23rd May 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 24-May-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)	46683	51395	42143	20551	2424	163196
Peak Shortage (MW)	573	0	-50	0	114	638
Energy Met (MU)	1253	1276	1060	458	44	4091
Hydro Gen (MU)	295	56	61	78	20	509
Wind Gen (MU)	21	88	61	-----	-----	170
Solar Gen (MU)*	27.38	26.14	78.07	2.25	0.03	134
Energy Shortage (MU)	11.5	0.0	0.0	0.0	2.9	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	55360 00:08	57409 15:25	47298 14:22	21853 23:23	2468 18:54	181003 14:32

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	0.044	0.00	0.32	5.50	5.82	74.88	19.29

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	7073	0	161.7	79.3	-1.9	62	0.0
	Haryana	7750	0	164.4	116.4	-1.6	200	0.0
	Rajasthan	11143	25	240.3	78.1	-0.4	716	0.0
	Delhi	5642	0	114.5	97.0	0.6	285	0.0
	UP	20076	170	442.0	198.1	0.3	583	0.0
	Uttarakhand	2141	0	47.2	22.0	0.9	107	0.0
	HP	1408	0	29.4	5.7	1.7	206	0.0
	J&K	2293	573	48.7	28.6	0.2	280	11.5
WR	Chandigarh	240	0	5.2	6.2	-1.0	-15	0.0
	Chhattisgarh	4045	0	92.3	40.6	-2.4	381	0.0
	Gujarat	17718	0	391.1	86.3	4.4	809	0.0
	MP	9967	0	227.8	113.9	0.0	470	0.0
	Maharashtra	23613	0	522.1	123.0	-0.5	603	0.0
	Goa	541	0	12.4	11.6	0.2	39	0.0
	DD	338	0	7.5	7.1	0.4	36	0.0
	DNH	747	0	18.1	18.2	-0.2	60	0.0
SR	Essar steel	264	0	4.1	3.3	0.9	296	0.0
	Andhra Pradesh	9550	0	202.5	65.0	0.6	952	0.0
	Telangana	8241	0	175.1	51.5	-0.5	501	0.0
	Karnataka	11973	0	218.9	70.8	0.2	641	0.0
	Kerala	3948	0	89.4	62.7	1.2	259	0.0
	Tamil Nadu	15767	0	365.3	189.0	-0.4	732	0.0
ER	Pondy	430	0	9.3	9.4	-0.1	47	0.0
	Bihar	5113	0	96.5	91.6	1.0	150	0.0
	DVC	3131	0	68.3	-50.3	0.0	100	0.0
	Jharkhand	1106	0	25.2	17.7	-0.6	300	0.0
	Odisha	4343	0	94.3	28.9	0.4	250	0.0
	West Bengal	9076	0	172.7	61.6	-1.2	225	0.0
NER	Sikkim	85	0	1.1	1.2	-0.2	25	0.0
	Arunachal Pradesh	106	2	2.1	2.8	-0.7	43	0.0
	Assam	1473	66	25.5	21.1	0.8	147	2.5
	Manipur	169	2	2.4	2.0	0.3	61	0.0
	Meghalaya	298	0	5.2	2.6	0.1	35	0.3
	Mizoram	89	3	1.8	1.4	0.3	30	0.0
	Nagaland	122	3	2.2	2.2	0.0	27	0.0
Tripura	278	0	4.7	4.5	0.1	42	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.1	-7.9	-21.8
Day peak (MW)	696.5	-543.0	-1115.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	216.9	-261.9	89.6	-42.3	-2.3	0.0
Actual(MU)	215.7	-261.1	98.8	-55.7	-3.7	-6.1
O/D/U/D(MU)	-1.2	0.8	9.2	-13.4	-1.4	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4115	12949	6422	2120	535	26141
State Sector	7510	12953	4190	3405	50	28108
Total	11625	25902	10612	5525	585	54249

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	609	1277	619	462	4	2971
Lignite	22	15	53	0	0	90
Hydro	295	56	61	78	20	509
Nuclear	27	31	57	0	0	115
Gas, Naptha & Diesel	40	60	13	0	29	141
RES (Wind, Solar, Biomass & Others)	68	121	170	2	0	362
Total	1060	1559	973	542	53	4188

Share of RES in total generation (%)	6.46	7.73	17.49	0.42	0.06	8.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.80	13.27	29.65	14.75	37.94	23.54

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 : 24-May-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	267	235	0.0	1.4	-1.4
2		SASARAM-FATEHPUR	S/C	191	118	0.0	0.4	-0.4
3		GAYA-BALIA	S/C	0	261	0.0	4.5	-4.5
4	HVDC	ALIPURDUAR-AGRA	-	0	502	0.0	12.0	-12.0
5		PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6	400 kV	PUSAULI-VARANASI	S/C	0	103	0.0	1.4	-1.4
7		PUSAULI-ALLAHABAD	S/C	44	23	0.3	0.3	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	965	0.0	12.4	-12.4
9		PATNA-BALIA	Q/C	0	491	0.0	9.5	-9.5
10		BIHARSHARIFF-BALIA	D/C	0	470	0.0	6.9	-6.9
11		MOTIHARI-GORAKHPUR	D/C	0	308	0.0	4.4	-4.4
12		BIHARSHARIFF-VARANASI	D/C	189	219	0.0	2.2	-2.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	215	0.0	4.4	-4.4
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
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						0.7	61.2	-60.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1986	0	29.0	0.0	29.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	1081	0	13.8	0.0	13.8
20		JHARSUGUDA-DURG	D/C	247	44	2.3	0.0	2.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	291	0	4.6	0.0	4.6
22		RANCHI-SIPAT	D/C	352	0	4.1	0.0	4.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	12	72	0.0	0.7	-0.7
24		BUDHIPADAR-KORBA	D/C	151	0	1.4	0.0	1.4
ER-WR						55.3	0.7	54.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1815.0	0.0	27.8	-27.8
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	519.0	0.0	11.6	-11.6
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	47.0	-47.0
28	400 kV	TALCHER-I/C	D/C	0.0	444.0	0.0	5.2	-5.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	86.4	-86.4
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	457	0.0	5.1	-5
31		ALIPURDUAR-BONGAIGAON	D/C	239	194	0.9	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	12	76	0.0	1.0	-1
ER-NER						0.9	6.2	-5.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	9.7	-9.7
NER-NR						0.0	9.7	-9.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1508	0.0	25.7	-25.7
35		V'CHAL B/B	D/C	452	0	10.2	0.0	10.2
36		APL -MHG	D/C	0	1638	0.0	38.6	-38.6
37	765 kV	GWALIOR-AGRA	D/C	0	1985	0.0	39.5	-39.5
38		PHAGI-GWALIOR	D/C	0	1374	0.0	23.1	-23.1
39		JABALPUR-ORAI	D/C	0	777	0.0	29.4	-29.4
40		GWALIOR-ORAI	S/C	440	0	7.9	0.0	7.9
41		SATNA-ORAI	S/C	0	1328	0.0	29.7	-29.7
42		CHITTORGARH-BANASKANTHA	D/C	0	447	0.0	3.9	3.9
43		ZERDA-KANKROLI	S/C	107	35	1.0	0.0	1.0
44	400 kV	ZERDA -BHINMAL	S/C	261	102	2.5	0.0	2.5
45		V'CHAL -RIHAND	S/C	966	0	18.3	0.0	18.3
46	220 kV	RAPP-SHUJALPUR	D/C	143	256	0	1	-1
47		BHANPURA-KOTA	S/C	25	41	0.0	0.8	-0.8
48		BHANPURA-MORAK	S/C	0	119	0.0	1.6	-1.6
49		MEHGAON-AURAIYA	S/C	49	22	0.4	0.0	0.4
50	132kV	MALANPUR-AURAIYA	S/C	16	46	0.0	0.4	-0.3
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.2	193.7	-145.8
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.6	-23.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	469	2173	0.0	20.4	-20.4
55		WARDHA-NIZAMABAD	D/C	96	1998	0.0	25.5	-25.5
56	400 kV	KOLHAPUR-KUDGI	D/C	885	0	5.3	0.0	5.3
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	54	1.0	0.0	1.0
WR-SR						6.4	69.5	-63.1
TRANSNATIONAL EXCHANGE								
60		BHUTAN						10.1
61		NEPAL						-7.9
62		BANGLADESH						-21.8