



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 Nov 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. 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 04.11.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-नवम्बर-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 04th Nov 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

5-Nov-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 1900 hrs; from RLDCs)	44188	44465	37837	19864	2451	148805
Peak Shortage (MW)	566	0	0	0	69	635
Energy Met (MU)	882	981	819	369	43	3093
Hydro Gen (MU)	138	55	164	70	12	438
Wind Gen (MU)	1	6	6	-----	-----	14
Solar Gen (MU)*	29.57	20.93	82.24	1.63	0.04	134
Energy Shortage (MU)	14.3	0.0	0.0	0.0	0.6	14.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44454 18:35	45270 18:27	40069 18:18	19768 18:13	2494 17:35	151228 18:34

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	0.040	0.00	0.39	9.25	9.64	73.14	17.22

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	5300	0	106.4	45.9	-1.6	98	0.0
	Haryana	5925	0	115.6	104.5	0.3	185	0.0
	Rajasthan	10620	0	212.7	68.7	-1.1	467	0.0
	Delhi	3512	0	66.3	51.0	-0.9	94	0.0
	UP	15069	0	274.4	116.1	0.4	998	4.3
	Uttarakhand	1695	0	32.6	19.1	0.5	113	0.0
	HP	1471	0	26.4	16.6	0.4	96	0.0
	J&K	2336	584	43.6	37.2	-1.1	152	10.0
	Chandigarh	191	0	3.5	3.4	0.1	32	0.0
WR	Chhattisgarh	3494	0	75.7	29.2	0.5	369	0.0
	Gujarat	13043	0	284.8	62.3	4.6	581	0.0
	MP	8972	0	189.7	136.6	1.0	575	0.0
	Maharashtra	18150	0	388.4	128.5	-1.7	556	0.0
	Goa	541	0	12.1	11.1	0.5	312	0.0
	DD	302	0	6.7	6.1	0.6	49	0.0
	DNH	767	0	17.7	17.8	-0.1	77	0.0
	Essar steel	323	0	6.0	6.2	-0.2	295	0.0
	SR	Andhra Pradesh	7603	0	164.0	61.1	1.0	510
Telangana		7460	0	156.4	38.6	-0.8	463	0.0
Karnataka		8115	0	159.9	36.0	0.3	633	0.0
Kerala		3472	0	66.9	47.4	0.9	198	0.0
Tamil Nadu		13611	0	264.6	141.3	2.0	670	0.0
Pondy		356	0	6.9	7.4	-0.5	22	0.0
ER	Bihar	4534	0	79.4	79.4	-0.5	100	0.0
	DVC	2912	0	60.7	-18.6	0.3	190	0.0
	Jharkhand	1295	0	23.6	15.8	-1.3	24	0.0
	Odisha	4338	0	78.9	2.1	-0.1	250	0.0
	West Bengal	7169	0	125.0	48.8	2.0	220	0.0
	Sikkim	95	0	1.0	1.4	-0.5	10	0.0
NER	Arunachal Pradesh	110	1	2.1	1.7	0.3	49	0.0
	Assam	1552	50	24.3	18.2	0.0	141	0.5
	Manipur	156	1	2.5	2.3	0.3	81	0.0
	Meghalaya	315	0	5.8	3.0	0.1	37	0.0
	Mizoram	97	1	1.6	0.9	0.4	10	0.0
	Nagaland	126	1	2.3	2.0	-0.1	2	0.0
	Tripura	245	1	4.1	3.1	-0.2	48	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.3	-0.4	-19.0
Day peak (MW)	703.5	-21.0	-851.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	193.5	-195.3	76.6	-76.2	-0.4	-1.9
Actual(MU)	186.6	-191.4	82.3	-79.9	-0.4	-2.7
O/D/U/D(MU)	-6.9	3.9	5.8	-3.7	0.0	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3847	19128	9272	1565	597	34409
State Sector	13152	19052	10703	6170	19	49096
Total	16999	38179	19975	7735	616	83505

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	471	1018	338	398	11	2236
Lignite	17	13	47	0	0	76
Hydro	138	55	164	70	12	438
Nuclear	28	24	60	0	0	111
Gas, Naptha & Diesel	29	44	16	0	24	113
RES (Wind, Solar, Biomass & Others)	37	30	119	2	0	188
Total	719	1183	743	469	48	3163

Share of RES in total generation (%)	5.16	2.57	15.98	0.36	0.08	5.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.15	9.20	46.06	15.25	25.49	23.31

H. Diversity Factor

All India Demand Diversity Factor	1.005
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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 :	5-Nov-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	24	496	0.0	5.5	-5.5	
2		SASARAM-FATEHPUR	S/C	0	304	0.0	3.2	-3.2	
3		GAYA-BALIA	S/C	0	314	0.0	5.7	-5.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	3.3	-3.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	185	0.0	3.5	-3.5	
7		PUSAULI -ALLAHABAD	S/C	0	96	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	762	0.0	8.6	-8.6	
9		PATNA-BALIA	Q/C	0	931	0.0	17.7	-17.7	
10		BIHARSHARIFF-BALIA	D/C	0	256	0.0	2.9	-2.9	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	97	177	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	49	0.0	0.7	-0.7	
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	
<b>ER-NR</b>						<b>0.7</b>	<b>57.0</b>	<b>-56.3</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	929	156	7.5	0.0	7.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	478	156	5.6	0.0	5.6	
20		JHARSUGUDA-DURG	D/C	0	204	0.0	2.3	-2.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	464	118	4.6	0.0	4.6	
22		RANCHI-SIPAT	D/C	183	0	3.2	0.0	3.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	11	81	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	65	17	0.6	0.0	0.6	
<b>ER-WR</b>						<b>21.5</b>	<b>3.2</b>	<b>18.3</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1834.0	0.0	29.6	-29.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	11.0	-11.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2264.0	0.0	37.7	-37.7	
28	400 kV	TALCHER-I/C	D/C	467.0	544.0	0.0	2.8	-2.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>78.3</b>	<b>-78.3</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	126	175	0.0	0.7	-1	
31		ALIPURDUAR-BONGAIGAON	D/C	99	189	0.0	1.2	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	67	0.0	0.7	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>2.7</b>	<b>-2.7</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	3.5	-3.5	
<b>NER-NR</b>						<b>0.0</b>	<b>3.5</b>	<b>-3.5</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	28.8	-28.8	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	1078	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2147	0.0	36.7	-36.7	
38		PHAGI-GWALIOR	D/C	0	1120	0.0	21.5	-21.5	
39		JABALPUR-ORAI	D/C	0	723	0.0	25.6	-25.6	
40		GWALIOR-ORAI	S/C	472	0	9.2	0.0	9.2	
41		SATNA-ORAI	S/C	0	1325	0.0	27.9	-27.9	
42		CHITTORGARH-BANASKANTHA	D/C	187	508	0.0	3.9	-3.9	
43		ZERDA-KANKROLI	S/C	51	94	0.1	0.3	-0.1	
44	400 kV	ZERDA -BHINMAL	S/C	0	239	0.0	3.2	-3.2	
45		V'CHAL -RIHAND	S/C	983	0	23.2	0.0	23.2	
46	220 kV	RAPP-SHUJALPUR	D/C	104	161	0	1	-1	
47		BHANPURA-RANPUR	S/C	16	28	0.0	0.2	-0.2	
48		BHANPURA-MORAK	S/C	16	63	0.0	0.4	-0.4	
49		MEHGAON-AURAIYA	S/C	97	0	1.0	0.0	1.0	
50	132kV	MALANPUR-AURAIYA	S/C	61	18	0.3	0.1	0.2	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>46.0</b>	<b>176.1</b>	<b>-130.1</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	13.2	-13.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	930	2132	0.0	10.0	-10.0	
55		WARDHA-NIZAMABAD	D/C	0	2262	0.0	26.9	-26.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	810	247	8.9	0.0	8.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	66	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	1	39	0.7	0.0	0.7	
<b>WR-SR</b>						<b>9.7</b>	<b>51.3</b>	<b>-41.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						15.3	
61		NEPAL						-0.4	
62		BANGLADESH						-19.0	