



**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: 27<sup>th</sup> Apr 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 26.04.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-अप्रैल-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 26<sup>th</sup> April 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

27-Apr-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	52129	51580	44662	21089	2734	172194
Peak Shortage (MW)	548	30	80	0	108	766
Energy Met (MU)	1119	1276	1057	475	50	3976
Hydro Gen (MU)	262	43	86	71	5	466
Wind Gen (MU)	10	65	28	-----	-----	103
Solar Gen (MU)*	24.19	26.28	87.18	0.76	0.05	138
Energy Shortage (MU)	10.6	0.2	0.7	0.0	1.2	12.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	52930 19:57	55847 15:31	46265 14:56	22211 20:57	2649 19:01	176487 23:07

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	0.034	0.12	0.60	3.31	4.03	73.46	22.51

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	6508	0	132.7	50.7	-1.8	57	0.0
	Haryana	7550	0	146.7	108.1	-0.2	279	0.0
	Rajasthan	10343	0	226.5	77.0	-1.0	330	0.0
	Delhi	5270	0	109.7	93.2	-1.6	159	0.0
	UP	19370	0	387.1	168.0	-0.2	854	0.0
	Uttarakhand	1885	0	41.2	18.1	-0.3	86	0.0
	HP	1312	0	27.5	6.5	0.0	109	0.4
	J&K	2261	565	42.6	24.3	-2.4	182	10.2
WR	Chandigarh	241	0	4.8	5.4	-0.6	4	0.0
	Chhattisgarh	4551	0	105.5	46.0	-2.2	306	0.0
	Gujarat	17609	0	392.9	115.4	2.4	581	0.0
	MP	9758	0	221.0	100.1	-0.7	425	0.0
	Maharashtra	22697	0	511.8	150.9	-1.7	312	0.0
	Goa	541	30	13.5	11.3	1.6	155	0.2
	DD	340	0	7.6	7.2	0.4	101	0.0
	DNH	785	0	18.4	18.5	-0.1	136	0.0
SR	Essar steel	323	0	5.2	5.7	-0.5	387	0.0
	Andhra Pradesh	8878	0	190.7	62.7	0.1	465	0.0
	Telangana	8226	0	179.3	52.3	0.3	333	0.0
	Karnataka	12688	0	246.0	78.0	1.5	544	0.0
	Kerala	3932	180	81.5	51.9	1.6	531	0.7
	Tamil Nadu	15532	0	350.1	186.9	1.6	394	0.0
	Pondy	425	0	9.2	9.1	0.2	51	0.0
	ER	Bihar	5251	0	95.6	90.9	-0.8	180
DVC		3226	0	69.5	-58.8	0.4	210	0.0
Jharkhand		1242	0	27.0	17.0	-0.1	80	0.0
Odisha		4748	0	98.9	37.4	4.8	450	0.0
West Bengal		8628	0	182.3	62.9	1.1	320	0.0
NER	Sikkim	99	0	1.4	1.6	-0.3	20	0.0
	Arunachal Pradesh	125	2	2.3	2.4	-0.1	32	0.0
	Assam	1765	50	30.3	26.0	0.5	120	0.7
	Manipur	169	2	2.7	2.1	0.6	42	0.0
	Meghalaya	324	0	5.7	3.8	0.5	56	0.4
	Mizoram	95	1	1.8	1.4	0.2	13	0.0
	Nagaland	145	2	2.1	2.1	-0.1	24	0.0
	Tripura	290	3	5.6	4.6	0.7	89	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.0	-8.9	-22.8
Day peak (MW)	794.3	-509.0	-1033.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	198.7	-264.3	103.8	-44.0	5.9	0.1
Actual(MU)	177.5	-270.9	131.7	-44.5	9.0	2.9
O/D/U/D(MU)	-21.2	-6.6	28.0	-0.5	3.1	2.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4872	11139	7502	1825	502	25840
State Sector	7850	12598	4720	2945	50	28163
Total	12722	23737	12222	4770	552	54003

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	551	1316	596	483	14	2960
Lignite	19	16	54	0	0	89
Hydro	262	43	86	71	5	466
Nuclear	28	27	36	0	0	91
Gas, Naptha & Diesel	36	49	16	0	28	130
RES (Wind, Solar, Biomass & Others)	64	96	148	1	0	309
Total	960	1548	936	554	47	4045

Share of RES in total generation (%)	6.69	6.22	15.81	0.15	0.11	7.65
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.83	10.79	28.82	12.90	10.58	21.43

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 : 27-Apr-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	1	379	0.0	5.8	-5.8	
2		SASARAM-FATEHPUR	S/C	0	239	0.0	2.9	-2.9	
3		GAYA-BALIA	S/C	0	357	0.0	6.6	-6.6	
4		HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5			PUSAULI B/B	S/C	0	50	0.0	1.2	-1.2
6	400 kV	PUSAULI-VARANASI	S/C	0	87	0.0	1.5	-1.5	
7		PUSAULI -ALLAHABAD	S/C	27	13	0.4	0.0	0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	945	0.0	14.3	-14.3	
9		PATNA-BALIA	Q/C	0	781	0.0	11.8	-11.8	
10		BIHARSHARIFF-BALIA	D/C	0	369	0.0	7.4	-7.4	
11		MOTIHARI-GORAKHPUR	D/C	0	262	0.0	4.7	-4.7	
12		BIHARSHARIFF-VARANASI	D/C	3	0	0.0	0.0	0.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	168	0.0	3.1	-3.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6	
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>1.0</b>	<b>59.2</b>	<b>-58.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	2259	0	39.6	0.0	39.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	659	27	7.4	0.0	7.4	
20		JHARSUGUDA-DURG	D/C	240	40	2.5	0.0	2.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	328	36	3.1	0.0	3.1	
22		RANCHI-SIPAT	D/C	335	0	3.9	0.0	3.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	129	0.0	1.8	-1.8	
24		BUDHIPADAR-KORBA	D/C	181	0	3.2	0.0	3.2	
<b>ER-WR</b>						<b>59.8</b>	<b>1.8</b>	<b>58.0</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1766.0	0.0	30.5	-30.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	525.0	0.0	12.2	-12.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2468.0	0.0	51.0	-51.0	
28	400 kV	TALCHER-I/C	D/C	0.0	853.0	0.0	10.3	-10.3	
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>93.7</b>	<b>-93.7</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	287	152	2.4	0.0	2	
31		ALIPURDUAR-BONGAIGAON	D/C	383	104	4.2	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	59	20	0.3	0.0	0	
<b>ER-NER</b>						<b>6.9</b>	<b>0.0</b>	<b>6.9</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	660	0	15.6	0.0	15.6	
<b>NER-NR</b>						<b>15.6</b>	<b>0.0</b>	<b>15.6</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1211	0.0	28.7	-28.7	
35		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
36		APL -MHG	D/C	0	1359	0.0	33.9	-33.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2397	0.0	40.7	-40.7	
38		PHAGI-GWALIOR	D/C	0	1075	0.0	18.6	-18.6	
39		JABALPUR-ORAI	D/C	0	778	0.0	25.3	-25.3	
40		GWALIOR-ORAI	S/C	451	0	9.9	0.0	9.9	
41		SATNA-ORAI	S/C	0	1356	0.0	26.6	-26.6	
42		CHITORGARH-BANASKANTHA	D/C	221	658	1.9	0.0	1.9	
43		ZERDA-KANKROLI	S/C	185	84	1.9	0.0	1.9	
44	400 kV	ZERDA -BHINMAL	S/C	68	167	0.0	1.0	-1.0	
45		V'CHAL -RIHAND	S/C	960	0	22.2	0.0	22.2	
46		RAPP-SHUJALPUR	D/C	68	316	0	1	-1	
47	220 kV	BADOD-KOTA	S/C	36	52	0.0	0.7	-0.7	
48		BADOD-MORAK	S/C	0	86	0.0	1.4	-1.4	
49		MEHGAON-AURAIYA	S/C	54	0	0.6	0.0	0.6	
50		MALANPUR-AURAIYA	S/C	21	35	0.1	0.2	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>42.6</b>	<b>178.0</b>	<b>-135.5</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	502	0.0	11.5	-11.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2397	0.0	35.6	-35.6	
55		WARDHA-NIZAMABAD	D/C	0	2385	0.0	34.9	-34.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	464	160	3.0	0.0	3.0	
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	65	1.2	0.0	1.2	
<b>WR-SR</b>						<b>4.3</b>	<b>82.0</b>	<b>-77.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>10.0</b>	
61		NEPAL						<b>-8.9</b>	
62		BANGLADESH						<b>-22.8</b>	