National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 27th May 2020

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., डोंगतिएह, 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 26.05.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-मई-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 26th May 2020, 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:** **27-May-2020**

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)	49385	44074	38044	18597	1640	151740
Peak Shortage (MW)	456	0	0	0	637	1093
Energy Met (MU)	1250	1133	962	401	29	3775
Hydro Gen (MU)	302	36	77	124	18	557
Wind Gen (MU)	43	129	91	-	-	263
Solar Gen (MU)*	44.04	28.02	79.51	4.56	0.02	156
Energy Shortage (MU)	10.5	0.0	0.0	0.0	8.1	18.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56244	49371	44951	18894	1703	166424
Time Of Maximum Demand Met (From NLDC SCADA)	22:30	15:27	15:10	23:43	19:08	15:33

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	0.42	5.66	6.08	72.84	21.09

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	8097	0	184.3	147.2	-1.2	135	0.0
	Haryana	7952	0	167.8	124.9	1.1	220	0.0
	Rajasthan	11749	0	253.8	80.5	-0.8	520	0.0
	Delhi	5421	0	106.9	90.4	-3.5	23	0.0
	UP	20582	0	425.3	203.1	-1.2	366	0.0
	Uttarakhand	1702	0	36.3	18.8	-0.3	106	0.0
	HP	1242	0	25.4	1.9	-0.5	178	0.0
	J&K(UT) & Ladakh(UT)	2099	525	44.4	21.2	0.1	232	10.5
	Chandigarh	284	0	5.4	5.6	-0.1	21	0.0
WR	Chhattisgarh	3733	0	87.1	34.7	-0.6	168	0.0
	Gujarat	15524	0	323.1	47.6	3.1	670	0.0
	MP	10038	0	218.0	108.5	-2.1	601	0.0
	Maharashtra	21122	0	462.7	163.7	2.5	792	0.0
	Goa	492	0	10.9	10.5	-0.1	97	0.0
	DD	218	0	4.7	4.4	0.3	30	0.0
	DNH	410	0	9.3	9.2	0.1	21	0.0
	AMNSIL	784	0	17.5	3.1	0.9	294	0.0
SR	Andhra Pradesh	10071	0	193.5	103.2	-0.2	965	0.0
	Telangana	8550	0	176.3	67.6	0.1	461	0.0
	Karnataka	9671	0	187.3	60.5	1.3	511	0.0
	Kerala	3658	0	77.4	51.6	0.8	181	0.0
	Tamil Nadu	14343	0	318.9	154.0	0.0	659	0.0
	Puducherry	410	0	8.3	8.4	-0.1	43	0.0
ER	Bihar	5134	0	108.9	100.5	0.2	305	0.0
	DVC	2625	0	56.6	-40.7	1.4	373	0.0
	Jharkhand	1427	0	27.8	24.4	-1.9	95	0.0
	Odisha	4154	0	86.7	7.5	0.6	268	0.0
	West Bengal	6093	0	120.2	38.5	1.3	579	0.0
	Sikkim	88	0	1.2	1.4	-0.2	10	0.0
NER	Arunachal Pradesh	92	1	1.3	1.7	-0.4	20	0.0
	Assam	910	200	15.7	11.4	-0.9	109	8.0
	Manipur	180	1	1.8	2.3	-0.5	22	0.0
	Meghalaya	269	0	3.7	0.1	0.0	23	0.1
	Mizoram	85	1	1.3	1.4	-0.2	7	0.0
	Nagaland	96	1	1.6	1.6	-0.1	19	0.0
	Tripura	259	5	3.9	4.5	-0.9	28	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	44.5	-1.0	-24.9
Day Peak (MW)	2434.1	-156.7	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	314.4	-318.9	126.0	-112.3	-8.6	0.7
Actual(MU)	302.4	-315.6	132.6	-109.3	-11.7	-1.7
O/D/U/D(MU)	-12.0	3.2	6.5	3.0	-3.1	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5305	16999	8012	2100	844	33259
State Sector	13130	19317	11128	5222	11	48808
Total	18435	36316	19140	7322	855	82067

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	474	1127	452	425	0	2477
Lignite	20	13	45	0	0	78
Hydro	302	36	77	124	18	557
Nuclear	27	36	39	0	0	102
Gas, Naptha & Diesel	37	65	16	0	26	145
RES (Wind, Solar, Biomass & Others)	113	182	213	5	0	513
Total	971	1460	842	554	45	3872
Share of RES in total generation (%)	11.58	12.49	25.34	0.84	0.04	13.25
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	45.40	17.42	39.08	23.27	40.60	30.26

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.079

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

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

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 27-May-2020

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	HVDC	ALIPURDUAR-AGRA	-	0	501	0.0	12.1	-12.1
2	HVDC	PUSAULI B/B	S/C	0	251	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	D/C	0	767	0.0	10.7	-10.7
4	765 kV	SASARAM-FATEHPUR	S/C	88	246	0.0	2.7	-2.7
5	765 kV	GAYA-BALIA	S/C	0	514	0.0	8.0	-8.0
6	400 kV	PUSAULI-VARANASI	S/C	0	201	0.0	3.6	-3.6
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	143	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	973	0.0	17.6	-17.6
9	400 kV	PATNA-BALIA	Q/C	0	1096	0.0	18.7	-18.7
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	532	0.0	6.1	-6.1
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	348	0.0	6.2	-6.2
12	400 kV	BIHARSHARIFF-VARANASI	D/C	46	267	0.0	3.7	-3.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	183	0.0	3.2	-3.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	0.6	101.3	-100.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1663	0	31.7	0.0	31.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	963	70	10.2	0.0	10.2
3	765 kV	JHARSUGUDA-DURG	D/C	202	83	1.0	0.0	1.0
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	121	116	0.1	0.0	0.1
5	400 kV	RANCHI-SIPAT	D/C	353	0	3.3	0.0	3.3
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	80	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	D/C	135	0	2.5	0.0	2.5
					ER-WR	48.8	1.1	47.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	435	0.0	10.2	-10.2
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1600	0.0	38.5	-38.5
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2630	0.0	54.1	-54.1
4	400 kV	TALCHER-I/C	D/C	317	0	6.3	0.0	6.3
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
					ER-SR	0.0	102.8	-102.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	96	214	0.0	0.8	-0.8
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	119	384	0.0	2.3	-2.3
3	220 kV	ALIPURDUAR-SALAKATI	D/C	12	79	0.0	0.6	-0.6
					ER-NER	0.0	3.7	-3.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	705	0.0	16.8	-16.8
					NER-NR	0.0	16.8	-16.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1315	0.0	34.0	-34.0
2	HVDC	V'CHAL B/B	D/C	230	0	3.2	0.0	3.2
3	HVDC	APL -MHG	D/C	0	1360	0.0	33.9	-33.9
4	765 kV	GWALIOR-AGRA	D/C	0	2659	0.0	47.2	-47.2
5	765 kV	PHAGI-GWALIOR	D/C	0	1192	0.0	22.6	-22.6
6	765 kV	JABALPUR-ORAI	D/C	0	1044	0.0	34.7	-34.7
7	765 kV	GWALIOR-ORAI	S/C	667	0	9.1	0.0	9.1
8	765 kV	SATNA-ORAI	S/C	0	1443	0.0	30.3	-30.3
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	1221	0.0	13.2	-13.2
10	400 kV	ZERDA-KANKROLI	S/C	51	138	0.0	1.0	-1.0
11	400 kV	ZERDA -BHINMAL	S/C	144	177	0.3	0.0	0.3
12	400 kV	V'CHAL -RIHAND	S/C	965	0	11.6	0.0	11.6
13	400 kV	RAPP-SHUJALPUR	D/C	48	341	0.0	1.4	-1.4
14	220 kV	BHANPURA-RANPUR	S/C	45	53	1.8	0.7	1.1
15	220 kV	BHANPURA-MORAK	S/C	0	105	0.0	0.2	-0.2
16	220 kV	MEHGAON-AURAIYA	S/C	78	5	0.1	0.0	0.1
17	220 kV	MALANPUR-AURAIYA	S/C	44	18	0.0	0.0	0.0
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	D/C	0	0	0.0	0.0	0.0
					WR-NR	26.0	219.2	-193.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	21.1	-21.1
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	449	0.0	0.7	-0.7
4	765 kV	SOLAPUR-RAICHUR	D/C	74	1670	0.0	21.3	-21.3
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2063	0.0	42.2	-42.2
6	400 kV	KOLHAPUR-KUDGI	D/C	515	63	5.5	0.0	5.4
7	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	S/C	0	102	2.1	0.0	2.1
					WR-SR	7.6	85.3	-77.7

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	DAGACHU (2 * 63)	0	0	0	0.0
	ER	CHUKA (4 * 84) BIRPARA RECEIPT	199	184	169	4.1
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	743	737	599	14.4
	ER	TALA (6 * 170) BINAGURI RECEIPT	1336	1056	999	24.0
	NER	132KV-SALAKATI - GELEPHU	5	0	25	0.6
	NER	132KV-RANGIA - DEOTHANG	0	0	38	0.9
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.2
	ER	132KV-BIHAR - NEPAL	-16	-2	-15	-0.4
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-122	-4	-16	-0.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-950	-740	-915	-22.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-60	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-60	-1.5