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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th Apr 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 25.04.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अप्रैल-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 25th Apr 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:** **26-Apr-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)	37591	37238	32788	15159	1959	124735
Peak Shortage (MW)	1059	0	0	0	62	1121
Energy Met (MU)	798	953	833	280	31	2895
Hydro Gen (MU)	188	56	61	58	10	373
Wind Gen (MU)	13	103	63	-	-	179
Solar Gen (MU)*	39.80	29.00	91.44	4.25	0.02	165
Energy Shortage (MU)	12.4	0.0	0.1	0.0	3.0	15.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	38339	41343	38213	14858	2041	127185
Time Of Maximum Demand Met (From NLDC SCADA)	20:37	06:30	09:36	21:12	18:35	22:23

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	0.035	0.00	0.39	3.18	3.58	72.33	24.10

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	4969	0	91.6	69.2	-1.2	219	0.0
	Haryana	5769	0	96.6	78.3	1.8	327	0.3
	Rajasthan	8174	0	168.0	59.3	-1.5	510	0.0
	Delhi	3094	0	62.2	52.6	-2.6	31	0.0
	UP	15446	0	296.3	137.8	1.9	1214	2.1
	Uttarakhand	1183	0	23.9	8.3	-0.1	64	0.0
	HP	837	0	14.6	-1.5	-0.7	135	0.0
	J&K(UT) & Ladakh(UT)	2080	520	42.4	29.8	0.2	268	10.0
	Chandigarh	139	0	2.8	2.9	-0.1	12	0.0
WR	Chhattisgarh	3085	0	72.5	17.9	-1.5	262	0.0
	Gujarat	12390	0	275.4	64.4	1.3	628	0.0
	MP	8655	0	183.3	93.2	-1.9	478	0.0
	Maharashtra	18205	0	404.4	167.2	0.3	313	0.0
	Goa	446	0	9.5	9.5	-0.2	34	0.0
	DD	132	0	2.9	2.9	0.0	13	0.0
	DNH	171	0	3.8	3.8	0.0	35	0.0
	AMNSIL	323	0	1.5	1.4	0.1	137	0.0
SR	Andhra Pradesh	8165	0	159.1	84.4	-1.5	353	0.0
	Telangana	6713	0	140.9	61.0	-1.2	591	0.0
	Karnataka	10050	0	198.2	56.0	-0.9	469	0.0
	Kerala	3729	50	70.3	49.4	0.8	309	0.1
	Tamil Nadu	11134	0	259.0	171.9	0.7	489	0.0
	Puducherry	285	0	5.6	5.9	-0.3	89	0.0
ER	Bihar	4158	0	73.6	75.5	-2.5	370	0.0
	DVC	1563	0	30.3	-21.0	-0.1	264	0.0
	Jharkhand	1235	0	22.3	18.1	-1.1	128	0.0
	Odisha	2914	0	55.0	-18.3	0.6	222	0.0
	West Bengal	5591	0	97.8	30.3	-1.1	482	0.0
	Sikkim	108	0	1.4	1.5	0.0	26	0.0
NER	Arunachal Pradesh	106	1	1.3	1.4	-0.2	47	0.0
	Assam	1159	30	17.0	13.9	-0.1	76	2.8
	Manipur	178	1	2.1	2.3	-0.2	15	0.0
	Meghalaya	275	0	4.3	2.6	-0.2	27	0.1
	Mizoram	92	1	1.4	1.2	0.1	33	0.0
	Nagaland	118	2	1.8	1.9	-0.3	13	0.0
	Tripura	208	7	2.9	2.6	-0.9	78	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	9.4	-0.5	-12.6
Day Peak (MW)	647.9	-115.0	-948.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.5	-197.7	160.5	-105.3	-5.3	-0.3
Actual(MU)	149.1	-200.9	154.6	-98.8	-10.2	-6.2
O/D/U/D(MU)	1.6	-3.2	-5.9	6.5	-4.9	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7161	21476	8732	2230	712	40311
State Sector	21328	24537	13648	7932	11	67456
Total	28489	46012	22380	10162	723	107767

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	325	854	346	351	7	1883
Lignite	20	14	37	0	0	71
Hydro	188	56	61	58	10	373
Nuclear	28	36	51	0	0	115
Gas, Naptha & Diesel	23	52	20	0	25	121
RES (Wind, Solar, Biomass & Others)	84	151	169	4	3	411
Total	668	1163	684	414	45	2975
Share of RES in total generation (%)	12.53	13.02	24.73	1.05	5.95	13.83
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.82	20.94	41.07	15.16	28.66	30.24

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.060
Based on State Max Demands	1.123

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: 26-Apr-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	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	S/C	0	249	0.0	6.2	-6.2
3	765 kV	GAYA-VARANASI	D/C	50	679	0.0	5.7	-5.7
4	765 kV	SASARAM-FATEHPUR	S/C	182	157	0.3	0.0	0.3
5	765 kV	GAYA-BALIA	S/C	0	409	0.0	5.5	-5.5
6	400 kV	PUSAULI-VARANASI	S/C	0	205	0.0	3.9	-3.9
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	140	0.0	2.0	-2.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	846	0.0	11.5	-11.5
9	400 kV	PATNA-BALIA	Q/C	0	815	0.0	11.3	-11.3
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	417	0.0	4.5	-4.5
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	243	0.0	3.8	-3.8
12	400 kV	BIHARSHARIFF-VARANASI	D/C	152	267	0.0	0.8	-0.8
13	220 kV	PUSAULI-SAHUPURI	S/C	19	195	0.0	2.7	-2.7
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	0.5	0.0	0.5
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	0.8	57.8	-57.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1035	240	7.0	0.0	7.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	601	380	2.9	0.0	2.9
3	765 kV	JHARSUGUDA-DURG	D/C	6	333	0.0	4.2	-4.2
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	86	285	0.0	3.5	-3.5
5	400 kV	RANCHI-SIPAT	D/C	354	197	1.4	0.0	1.4
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	171	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	D/C	161	9	1.7	0.0	1.7
					ER-WR	13.0	10.3	2.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	645	0.0	7.0	-7.0
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1983	0.0	42.7	-42.7
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2874	0.0	57.9	-57.9
4	400 kV	TALCHER-I/C	D/C	296	1007	0.0	6.5	-6.5
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0
					ER-SR	0.0	107.6	-107.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	D/C	510	0	8.2	0.0	8.2
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	682	0	10.4	0.0	10.4
3	220 kV	ALIPURDUAR-SALAKATI	D/C	137	0	2.0	0.0	2.0
					ER-NER	20.5	0.0	20.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	-	487	0	11.5	0.0	11.5
					NER-NR	11.5	0.0	11.5
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	14.5	-14.5
2	HVDC	V'CHAL B/B	D/C	447	0	10.6	0.0	10.6
3	HVDC	APL -MHG	D/C	0	1549	0.0	28.1	-28.1
4	765 kV	GWALIOR-AGRA	D/C	0	2388	0.0	38.3	-38.3
5	765 kV	PHAGI-GWALIOR	D/C	0	990	0.0	14.0	-14.0
6	765 kV	JABALPUR-ORAI	D/C	0	797	0.0	24.3	-24.3
7	765 kV	GWALIOR-ORAI	S/C	520	0	8.8	0.0	8.8
8	765 kV	SATNA-ORAI	S/C	0	1252	0.0	24.4	-24.4
9	765 kV	CHITORGARH-BANASKANTHA	D/C	207	736	0.0	3.4	-3.4
10	400 kV	ZERDA-KANKROLI	S/C	141	75	1.2	0.0	1.2
11	400 kV	ZERDA -BHINMAL	S/C	205	102	1.5	0.0	1.5
12	400 kV	V'CHAL -RIHAND	S/C	960	0	18.4	0.0	18.4
13	400 kV	RAPP-SHUJALPUR	D/C	190	213	0.0	0.0	0.0
14	220 kV	BHANPURA-RANPUR	S/C	39	51	0.0	1.0	-1.0
15	220 kV	BHANPURA-MORAK	S/C	0	89	0.0	1.5	-1.5
16	220 kV	MEHGAON-AURAIYA	S/C	119	0	1.2	0.0	1.2
17	220 kV	MALANPUR-AURAIYA	S/C	85	16	0.6	0.0	0.6
18	132 kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	42.3	149.6	-107.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	989	0.0	24.0	-24.0
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
3	765 kV	SOLAPUR-RAICHUR	D/C	0	1972	0.0	25.9	-25.9
4	765 kV	WARDHA-NIZAMABAD	D/C	0	2146	0.0	37.7	-37.7
5	400 kV	KOLHAPUR-KUDGI	D/C	229	288	0.7	2.6	-2.0
6	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	S/C	0	72	0.0	1.5	-1.5
8	220 kV	XELDEM-AMBEWADI	S/C	0	63	1.1	0.0	1.1
					WR-SR	1.8	91.8	-90.0

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	40	30	13	0.3
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	277	276	203	4.9
	ER	TALA (6 * 170) BINAGURI RECEIPT	175	169	178	4.3
	NER	132KV-SALAKATI - GELEPHU	25	0	-11	-0.3
	NER	132KV-RANGIA - DEOTHANG	22	0	8	0.2
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-11	-2	-5	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-104	-4	-16	-0.4
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-851	-258	-447	-10.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	48	0	-40	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	49	0	-40	-1.0