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: 30th 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 29.04.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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:** **30-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)	38538	38218	32348	15395	2069	126568
Peak Shortage (MW)	928	0	0	0	119	1047
Energy Met (MU)	810	978	749	290	34	2861
Hydro Gen (MU)	222	51	65	63	6	406
Wind Gen (MU)	24	40	27	-	-	91
Solar Gen (MU)*	36.81	27.70	67.57	4.69	0.04	137
Energy Shortage (MU)	11.5	0.0	0.0	0.0	2.0	13.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	40306	42142	35006	15803	2111	131361
Time Of Maximum Demand Met (From NLDC SCADA)	21:02	06:23	22:15	08:09	18:52	22:36

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	0.024	0.00	0.00	0.91	0.91	79.43	19.65

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	4725	0	96.5	72.0	-0.6	70	0.0
	Haryana	6206	0	102.4	88.3	1.7	272	0.3
	Rajasthan	9060	68	188.8	66.1	0.5	1000	0.0
	Delhi	3174	0	63.0	53.3	-2.4	0	0.0
	UP	15968	0	276.4	130.2	1.1	1034	1.4
	Uttarakhand	1129	0	22.6	6.3	0.1	87	0.0
	HP	892	0	15.6	-2.6	-1.4	127	0.0
	J&K(UT) & Ladakh(UT)	2120	530	41.8	22.8	-0.6	156	9.9
	Chandigarh	147	0	2.8	3.1	-0.3	12	0.0
WR	Chhattisgarh	3006	0	68.2	17.8	-1.3	191	0.0
	Gujarat	13071	0	294.3	78.6	4.6	527	0.0
	MP	8537	0	186.1	109.7	-1.0	270	0.0
	Maharashtra	18392	0	408.8	170.6	1.4	555	0.0
	Goa	472	0	10.0	9.8	-0.1	39	0.0
	DD	157	0	3.4	3.3	0.2	25	0.0
	DNH	247	0	5.4	5.4	0.0	29	0.0
	AMNSIL	304	0	1.5	1.4	0.1	151	0.0
SR	Andhra Pradesh	6866	0	142.2	73.6	-0.1	634	0.0
	Telangana	6003	0	130.5	53.9	0.9	402	0.0
	Karnataka	9176	0	184.0	58.0	-0.5	592	0.0
	Kerala	3444	0	65.4	45.2	0.5	211	0.0
	Tamil Nadu	10014	0	221.8	169.8	-1.7	458	0.0
	Puducherry	286	0	5.4	5.8	-0.4	24	0.0
ER	Bihar	4452	0	74.1	73.9	-0.4	256	0.0
	DVC	1923	0	30.8	-23.2	0.9	423	0.0
	Jharkhand	1291	0	21.4	14.1	-1.2	95	0.0
	Odisha	3207	0	65.5	-13.2	0.8	465	0.0
	West Bengal	5443	0	97.1	30.9	0.8	240	0.0
	Sikkim	113	0	1.3	1.5	-0.2	15	0.0
NER	Arunachal Pradesh	104	1	1.5	1.1	0.3	38	0.0
	Assam	1215	90	19.8	17.0	-0.1	75	1.8
	Manipur	181	1	2.1	2.3	-0.2	24	0.0
	Meghalaya	221	0	4.0	2.7	-0.3	35	0.1
	Mizoram	93	1	1.4	1.4	-0.1	14	0.0
	Nagaland	114	1	1.9	1.9	-0.3	11	0.0
	Tripura	255	2	3.4	3.2	-0.7	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.2	-0.6	-12.5
Day Peak (MW)	876.0	-117.7	-969.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.0	-182.2	140.4	-102.2	-0.5	-0.6
Actual(MU)	131.1	-181.1	141.4	-98.1	-1.8	-8.5
O/D/U/D(MU)	-12.9	1.1	1.0	4.2	-1.3	-7.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7350	20006	8732	2480	649	39217
State Sector	19333	22982	14318	7632	11	64276
Total	26683	42987	23050	10112	660	103492

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	307	929	333	343	7	1918
Lignite	19	16	37	0	0	73
Hydro	222	50	65	63	6	407
Nuclear	28	36	51	0	0	115
Gas, Naptha & Diesel	23	57	21	0	28	129
RES (Wind, Solar, Biomass & Others)	93	77	110	5	0	285
Total	692	1166	616	410	41	2925
Share of RES in total generation (%)	13.38	6.62	17.85	1.15	0.10	9.73
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	49.48	14.08	36.70	16.45	14.17	27.55

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.081

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