



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: 04th June 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., 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 03.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 03-जून-2020 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 03rd Jun 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:

04-Jun-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)	45272	33616	35499	19682	2398	136467
Peak Shortage (MW)	822	0	0	0	26	848
Energy Met (MU)	1029	885	845	410	41	3209
Hydro Gen (MU)	279	38	58	105	16	497
Wind Gen (MU)	13	61	87	-	-	161
Solar Gen (MU)*	31.37	18.50	72.96	4.68	0.01	128
Energy Shortage (MU)	10.7	0.0	0.0	0.0	0.0	10.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49273	39500	38279	20102	2356	142078
Time Of Maximum Demand Met (From NLDC SCADA)	22:21	00:19	10:12	22:38	19:35	22:24

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	0.041	0.00	0.03	6.20	6.24	75.15	18.61

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	6433	0	140.0	105.6	-1.3	165	0.0
	Haryana	6314	0	127.1	114.4	2.5	500	0.0
	Rajasthan	9839	0	203.8	68.6	-0.4	769	0.0
	Delhi	4227	0	85.7	75.3	-0.9	135	0.0
	UP	18950	340	365.4	206.5	3.4	463	0.4
	Uttarakhand	1625	0	35.3	15.9	0.9	199	0.0
	HP	1342	0	24.6	1.2	0.3	281	0.0
	J&K(UT) & Ladakh(UT)	2206	552	43.3	21.9	-1.6	206	10.3
WR	Chhattisgarh	210	0	4.1	4.5	-0.4	11	0.0
	Chhattisgarh	3283	0	76.8	27.8	-1.1	223	0.0
	Gujarat	14489	0	301.9	85.7	0.1	1010	0.0
	MP	8395	0	182.9	95.8	-1.8	644	0.0
	Maharashtra	13834	0	288.2	75.5	-8.7	1030	0.0
	Goa	366	0	7.7	7.5	-0.3	42	0.0
	DD	187	0	2.8	2.6	0.2	31	0.0
	DNH	328	0	7.1	6.9	0.2	92	0.0
	AMNSIL	778	0	17.4	1.3	0.5	291	0.0
	Andhra Pradesh	8712	0	175.3	71.2	0.7	617	0.0
SR	Telangana	6630	0	139.7	68.8	0.1	613	0.0
	Karnataka	7896	0	144.6	48.1	-4.2	559	0.0
	Kerala	3141	0	65.6	45.3	0.5	172	0.0
	Tamil Nadu	13685	0	311.9	143.6	-0.4	570	0.0
	Puducherry	372	0	7.8	8.1	-0.3	30	0.0
	Bihar	5215	0	106.7	99.6	0.7	324	0.0
ER	DVC	2737	0	59.6	-34.8	0.6	296	0.0
	Jharkhand	1397	0	26.6	18.2	-0.4	177	0.0
	Odisha	3661	0	77.0	13.4	0.2	257	0.0
	West Bengal	7560	0	138.6	46.4	3.6	554	0.0
	Sikkim	98	0	1.3	1.5	-0.2	29	0.0
	Arunachal Pradesh	104	1	2.0	2.0	0.0	36	0.0
NER	Assam	1455	20	23.2	19.2	-0.2	119	0.0
	Manipur	186	1	2.6	2.4	0.2	44	0.0
	Meghalaya	296	0	5.2	1.8	-0.2	65	0.0
	Mizoram	84	2	1.4	1.3	0.0	20	0.0
	Nagaland	116	2	2.3	2.1	0.1	12	0.0
	Tripura	245	1	4.2	4.8	-0.4	27	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	33.6	-1.8	-26.0
Day Peak (MW)	1528.3	-204.6	-1118.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	257.0	-259.2	98.6	-92.0	-4.4	0.0
Actual(MU)	252.0	-289.1	111.0	-78.0	-5.8	-10.0
O/D/U/D(MU)	-5.0	-29.9	12.3	14.1	-1.4	-10.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5105	19084	9112	1450	344	35094
State Sector	17760	23328	13028	4896	11	59023
Total	22865	42412	22140	6346	355	94117

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	369	937	390	414	10	2119
Lignite	24	12	33	0	0	69
Hydro	279	38	58	105	16	497
Nuclear	27	36	46	0	0	109
Gas, Naptha & Diesel	28	74	16	0	27	144
RES (Wind, Solar, Biomass & Others)	65	87	198	5	0	355
Total	792	1185	740	524	53	3293

Share of RES in total generation (%)	8.26	7.36	26.71	0.90	0.02	10.78
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.99	13.68	40.76	20.94	30.35	29.19

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.052
Based on State Max Demands	1.101

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: 04-Jun-2020

SI 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	307	0.0	7.6	-7.6	
2	HVDC	PUSAULI B/B	S/C	0	248	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	D/C	0	635	0.0	6.3	-6.3	
4	765 kV	SASARAM-FATEHPUR	S/C	212	69	1.4	0.0	1.4	
5	765 kV	GAYA-BALIA	S/C	0	453	0.0	7.6	-7.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	4.5	-4.5	
7	400 kV	PUSAULI-ALLAHABAD	S/C	0	101	0.0	1.5	-1.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	724	0.0	11.6	-11.6	
9	400 kV	PATNA-BALIA	Q/C	0	947	0.0	13.0	-13.0	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	329	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	329	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	146	155	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	28	176	0.0	3.1	-3.1	
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	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0	
						ER-NR	1.8	71.6	-69.8
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1107	0	17.1	0.0	17.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1202	0	19.9	0.0	19.9	
3	765 kV	JHARSUGUDA-DURG	D/C	135	102	1.0	0.0	1.0	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	381	0	4.6	0.0	4.6	
5	400 kV	RANCHI-SIPAT	D/C	428	0	7.4	0.0	7.4	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	0	66	0.0	0.9	-0.9	
7	220 kV	BUDHIPADAR-KORBA	D/C	191	0	3.3	0.0	3.3	
						ER-WR	53.2	0.9	52.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	432	0.0	8.7	-8.7	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1651	0.0	33.4	-33.4	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2563	0.0	47.0	-47.0	
4	400 kV	TALCHER-I/C	D/C	942	979	1.1	0.0	1.1	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	89.0	-89.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	15	316	0.0	3.0	-3.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	11	481	0.0	6.3	-6.3	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	92	0.0	1.2	-1.2	
						ER-NER	0.0	10.4	-10.4
Import/Export of ER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.3	-17.3	
						NER-NR	0.0	17.3	-17.3
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	905	0.0	28.7	-28.7	
2	HVDC	V'CHAL B/B	D/C	0	206	0.0	4.9	-4.9	
3	HVDC	APL -MHG	D/C	0	981	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	2548	0.0	45.6	-45.6	
5	765 kV	PHAGI-GWALIOR	D/C	0	1197	0.0	21.2	-21.2	
6	765 kV	JABALPUR-ORAI	D/C	0	1082	0.0	39.2	-39.2	
7	765 kV	GWALIOR-ORAI	S/C	396	0	7.3	0.0	7.3	
8	765 kV	SATNA-ORAI	S/C	0	1269	0.0	25.3	-25.3	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	0	997	0.0	10.4	-10.4	
10	400 kV	ZERDA-KANKROLI	S/C	65	126	0.0	0.5	-0.5	
11	400 kV	ZERDA -BHINMAL	S/C	293	157	0.3	0.0	0.3	
12	400 kV	V'CHAL -RIHAND	S/C	973	0	20.1	0.0	20.1	
13	400 kV	RAPP-SHUJALPUR	D/C	49	387	0.0	4.2	-4.2	
14	220 kV	BHANPURA-RANPUR	S/C	0	93	1.8	2.4	-0.5	
15	220 kV	BHANPURA-MORAK	S/C	0	127	0.0	1.5	-1.5	
16	220 kV	MEHGAON-AURAIYA	S/C	169	0	2.1	0.0	2.1	
17	220 kV	MALANPUR-AURAIYA	S/C	0	0	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	31.6	208.1	-176.5
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	415	518	0.0	3.9	-3.9	
2	HVDC	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
3	HVDC	HVDC-RAIGARH-PUGALUR	D/C	0	0	0.0	0.0	0.0	
4	765 kV	SOLAPUR-RAICHUR	D/C	266	2199	0.0	26.8	-26.8	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2452	0.0	38.4	-38.4	
6	400 kV	KOLHAPUR-KUDGI	D/C	671	0	8.2	0.0	8.2	
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	92	1.5	0.0	1.5	
						WR-SR	9.7	69.1	-59.4

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	173	165	156	3.8
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	577	508	522	12.5
	ER	TALA (6 * 170) BINAGURI RECEIPT	622	523	585	14.1
	NER	132KV-SALAKATI - GELEPHU	0	0	20	0.5
	NER	132KV-RANGIA - DEOTHANG	0	0	47	1.1
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.3
	ER	132KV-BIHAR - NEPAL	-113	-3	-50	-1.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-92	-2	-13	-0.3
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-964	-763	-944	-22.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-70	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-69	-1.7