



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: 06th Jun 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 05.06.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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: 06-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)	42370	37593	36543	18619	2437	137562
Peak Shortage (MW)	424	0	0	0	9	433
Energy Met (MU)	941	890	904	387	43	3164
Hydro Gen (MU)	284	44	65	110	19	523
Wind Gen (MU)	30	74	109	-	-	213
Solar Gen (MU)*	22.30	23.53	80.19	4.64	0.03	131
Energy Shortage (MU)	10.2	0.0	0.0	0.0	0.0	10.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45106	39401	42063	19266	2487	139637
Time Of Maximum Demand Met (From NLDC SCADA)	22:29	15:14	15:37	22:30	19:25	15:14

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	0.037	0.00	0.00	2.13	2.13	67.35	30.52

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	6830	0	151.0	113.4	-0.1	267	0.0
	Haryana	5926	0	121.4	113.8	2.2	325	0.0
	Rajasthan	9121	0	198.0	64.7	-3.7	784	0.0
	Delhi	3895	0	81.0	71.4	-2.2	49	0.0
	UP	15652	0	284.9	159.8	-4.6	1302	0.0
	Uttarakhand	1525	0	32.9	14.5	-0.1	129	0.0
	HP	1323	0	25.3	1.7	0.3	322	0.0
	J&K(UT) & Ladakh(UT)	1971	493	42.8	20.3	-0.5	163	10.2
WR	Chandigarh	198	0	3.9	4.1	-0.2	7	0.0
	Chhattisgarh	3317	0	74.9	25.9	-1.5	199	0.0
	Gujarat	14706	0	288.9	93.9	-2.1	647	0.0
	MP	6924	0	149.8	71.4	-1.9	543	0.0
	Maharashtra	15166	0	335.2	115.4	2.8	798	0.0
	Goa	469	0	8.8	8.5	-0.2	82	0.0
	DD	225	0	4.9	4.6	0.3	24	0.0
	DNH	447	0	10.0	9.8	0.2	10	0.0
SR	AMNSIL	815	0	17.4	1.4	0.3	255	0.0
	Andhra Pradesh	8987	0	181.6	69.3	0.4	533	0.0
	Telangana	7050	0	149.2	76.7	2.1	667	0.0
	Karnataka	9342	0	177.3	63.7	1.8	625	0.0
	Kerala	3146	0	66.4	48.9	0.3	169	0.0
	Tamil Nadu	13876	0	321.4	147.8	-2.5	456	0.0
	Puducherry	373	0	7.6	7.8	-0.2	48	0.0
	ER	Bihar	4847	0	74.0	75.0	-5.4	351
DVC		2868	0	61.1	-36.1	0.8	615	0.0
Jharkhand		1338	0	24.7	17.4	-1.2	170	0.0
Odisha		4125	0	84.5	12.4	0.8	376	0.0
West Bengal		7347	0	141.3	48.2	2.6	681	0.0
NER	Sikkim	94	0	1.4	1.4	0.0	19	0.0
	Arunachal Pradesh	104	1	1.9	2.0	-0.1	54	0.0
	Assam	1492	12	26.0	22.2	0.8	139	0.0
	Manipur	187	0	2.5	2.2	0.3	64	0.0
	Meghalaya	317	1	5.3	0.8	0.0	37	0.0
	Mizoram	94	0	1.7	1.5	0.0	26	0.0
	Nagaland	101	0	2.2	2.0	0.1	10	0.0
Tripura	276	1	3.2	4.4	-0.4	86	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	35.9	-0.2	-21.2
Day Peak (MW)	1610.0	-68.0	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.0	-229.1	110.8	-114.7	-2.0	0.0
Actual(MU)	197.5	-233.2	140.4	-111.6	-2.3	-9.2
O/D/U/D(MU)	-37.5	-4.2	29.7	3.1	-0.3	-9.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5105	19543	9112	1510	344	35613
State Sector	18085	24294	13018	5682	11	61090
Total	23190	43837	22130	7192	355	96703

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	332	858	369	407	10	1977
Lignite	24	16	38	0	0	77
Hydro	284	44	65	110	19	523
Nuclear	27	36	46	0	0	110
Gas, Naptha & Diesel	27	68	17	0	21	132
RES (Wind, Solar, Biomass & Others)	73	108	236	5	0	422
Total	767	1130	770	522	50	3240

Share of RES in total generation (%)	9.54	9.58	30.59	0.89	0.06	13.01
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	50.14	16.69	45.03	22.01	38.37	32.54

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.062
Based on State Max Demands	1.106

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: 06-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	308	0.0	7.5	-7.5	
2	HVDC	PUSAULI B/B	S/C	4	249	0.0	1.7	-1.7	
3	765 kV	GAYA-VARANASI	D/C	0	464	0.0	6.0	-6.0	
4	765 kV	SASARAM-FATEHPUR	S/C	6	207	0.0	2.8	-2.8	
5	765 kV	GAYA-BALIA	S/C	0	322	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	48	173	0.0	1.0	-1.0	
7	400 kV	PUSAULI-ALLAHABAD	S/C	99	99	0.0	0.6	-0.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	D/C	0	695	0.0	11.0	-11.0	
9	400 kV	PATNA-BALIA	Q/C	0	796	0.0	11.1	-11.1	
10	400 kV	BIHARSHARIFF-BALIA	D/C	0	313	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	D/C	0	289	0.0	3.4	-3.4	
12	400 kV	BIHARSHARIFF-VARANASI	D/C	0	69	0.0	0.1	-0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	1.8	-1.8	
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	0.5	56.3	-55.9
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1310	0	19.6	0.0	19.6	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	710	121	7.3	0.0	7.3	
3	765 kV	JHARSUGUDA-DURG	D/C	43	88	0.0	0.5	-0.5	
4	400 kV	JHARSUGUDA-RAIGARH	Q/C	120	109	0.3	0.0	0.3	
5	400 kV	RANCHI-SIPAT	D/C	261	0	3.3	0.0	3.3	
6	220 kV	BUDHIPADAR-RAIGARH	S/C	34	76	0.0	0.6	-0.6	
7	220 kV	BUDHIPADAR-KORBA	D/C	212	0	3.8	0.0	3.8	
						ER-WR	34.4	1.0	33.3
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	391	0.0	6.1	-6.1	
2	HVDC	TALCHER-KOLAR BIPOLE	D/C	0	1659	0.0	45.2	-45.2	
3	765 kV	ANGUL-SRIKAKULAM	D/C	0	2817	0.0	55.2	-55.2	
4	400 kV	TALCHER-I/C	D/C	394	1003	0.0	14.2	-14.2	
5	220 kV	BALIMELA-UPPER-SILERRU	S/C	1	0	0.0	0.0	0.0	
						ER-SR	0.0	106.5	-106.5
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	D/C	32	323	0.0	3.7	-3.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	D/C	5	547	0.0	8.0	-8.0	
3	220 kV	ALIPURDUAR-SALAKATI	D/C	0	108	0.0	1.5	-1.5	
						ER-NER	0.0	13.2	-13.2
Import/Export of ER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.0	-17.0	
						NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	D/C	0	902	0.0	28.7	-28.7	
2	HVDC	V'CHAL B/B	D/C	0	507	0.0	7.8	-7.8	
3	HVDC	APL -MHG	D/C	0	983	0.0	24.3	-24.3	
4	765 kV	GWALIOR-AGRA	D/C	0	1946	0.0	29.4	-29.4	
5	765 kV	PHAGI-GWALIOR	D/C	0	1135	0.0	19.4	-19.4	
6	765 kV	JABALPUR-ORAI	D/C	0	822	0.0	26.3	-26.3	
7	765 kV	GWALIOR-ORAI	S/C	331	0	6.5	0.0	6.5	
8	765 kV	SATNA-ORAI	S/C	0	1123	0.0	21.0	-21.0	
9	765 kV	CHITORGARH-BANASKANTHA	D/C	201	770	0.0	4.3	-4.3	
10	400 kV	ZERDA-KANKROLI	S/C	171	92	1.3	0.0	1.3	
11	400 kV	ZERDA -BHINMAL	S/C	349	102	3.8	0.0	3.8	
12	400 kV	V'CHAL -RIHAND	S/C	964	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHUJALPUR	D/C	102	302	0.0	0.9	-0.9	
14	220 kV	BHANPURA-RANPUR	S/C	59	68	1.4	3.0	-1.5	
15	220 kV	BHANPURA-MORAK	S/C	0	104	0.0	0.0	0.0	
16	220 kV	MEHGAON-AURAIYA	S/C	156	0	0.0	0.0	0.0	
17	220 kV	MALANPUR-AURAIYA	S/C	0	2	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	35.6	164.9	-129.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	820	0.0	17.9	-17.9	
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	372	2022	0.3	22.8	-22.5	
5	765 kV	WARDHA-NIZAMABAD	D/C	0	2322	0.0	36.0	-36.0	
6	400 kV	KOLHAPUR-KUDGI	D/C	703	48	7.9	0.0	7.9	
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	1	82	1.2	0.0	1.2	
						WR-SR	9.4	76.8	-67.3

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	181	153	156	3.7
	ER	MANGDECHHU (4 x 180) ALIPURDUAR RECEIPT	586	581	564	13.5
	ER	TALA (6 * 170) BINAGURI RECEIPT	688	613	605	14.5
	NER	132KV-SALAKATI - GELEPHU	0	0	28	0.7
	NER	132KV-RANGIA - DEOTHANG	0	0	58	1.4
NEPAL	NR	132KV-Tanakpur(NH) - Mahendranagar(PG)	0	0	0	-0.1
	ER	132KV-BIHAR - NEPAL	16	2	-3	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-48	0	0	0.0
BANGLADESH	ER	Bheramara HVDC(Bangladesh)	-962	-560	-767	-18.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	70	0	-59	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	70	0	-59	-1.4