

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

दिनांक: 10th Sep 2020

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 ७९३००६ Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के.,२९ , रेस कोर्स क्रॉस रोड, बंगलुरु -560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 09.09.2020.

महोदय/Dear Sir.

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-सितंबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ 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 09th September 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: 10-Sep-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)	61826	47933	37165	22187	3031	172142
Peak Shortage (MW)	593	0	0	90	7	690
Energy Met (MU)	1376	1128	928	471	55	3957
Hydro Gen (MU)	327	81	76	145	20	649
Wind Gen (MU)	6	16	73	-	-	95
Solar Gen (MU)*	39.92	26.92	89.74	4.44	0.11	161
Energy Shortage (MU)	0.0	0.0	0.0	0.3	0.1	0.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63813	48809	44300	22282	3075	174331
Time Of Maximum Demand Met (From NLDC SCADA)	22:31	11:14	10:54	19:42	18:44	19:19
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	0.018	0.00	0.00	0.96	0.96	87.97	11.06

		Max.Demand	Shortage during	Energy Met	Drawal	OD(+)/UD(-)	Max OD	Energy
Region	States	Met during the day(MW)	maximum Demand(MW)	(MU)	Schedule (MU)	(MU)	(MW)	Shortag (MU)
	Punjab	10737	0	240.9	143.3	-1.6	332	0.0
	Haryana	9385	0	202.5	153.2	0.2	176	0.0
	Rajasthan	9773	0	217.3	83.0	-0.6	399	0.0
	Delhi	5424	0	113.1	99.1	0.8	279	0.0
NR	UP	23057	68	473.2	216.8	-1.8	406	0.0
	Uttarakhand	1953	0	43.6	20.8	0.7	97	0.0
	HP	1480	0	33.1	0.1	0.2	78	0.0
	J&K(UT) & Ladakh(UT)	2427	0	46.4	26.5	2.3	524	0.0
	Chandigarh	296	0	5.9	6.0	-0.1	30	0.0
	Chhattisgarh	4116	0	95.1	40.4	-1.0	245	0.0
	Gujarat	14869	0	331.0	76.4	2.1	697	0.0
	MP	10061	0	229.4	123.8	1.2	859	0.0
WR	Maharashtra	19012	0	420.9	165.5	-2.1	535	0.0
	Goa	463	0	9.7	9.2	0.0	36	0.0
	DD	316	0	6.9	6.9	0.0	27	0.0
	DNH	773	0	17.7	17.7	0.0	38	0.0
	AMNSIL	774	0	17.3	3.5	0.0	234	0.0
	Andhra Pradesh	9103	0	190.0	92.2	0.0	1008	0.0
	Telangana	11249	0	223.6	107.1	-0.3	545	0.0
SR	Karnataka	8106	0	159.5	60.6	-1.0	388	0.0
	Kerala	3126	0	65.6	47.8	0.3	201	0.0
	Tamil Nadu	12393	0	281.1	127.0	-2.1	668	0.0
	Puducherry	364	0	7.8	8.0	-0.2	40	0.0
	Bihar	6006	90	118.5	114.9	-1.8	444	0.3
	DVC	2978	0	62.3	-47.6	0.3	321	0.0
	Jharkhand	1353	0	27.5	23.1	-1.6	81	0.0
ER	Odisha	4173	0	86.4	23.5	-0.7	164	0.0
	West Bengal	8259	0	175.1	50.6	0.4	602	0.0
	Sikkim	97	0	1.2	1.3	-0.1	14	0.0
	Arunachal Pradesh	122	1	2.1	2.0	0.1	23	0.0
	Assam	1971	21	35.1	32.2	-0.8	157	0.0
	Manipur	206	2	2.4	2.6	-0.2	29	0.0
NER	Meghalaya	320	0	5.7	0.6	-0.1	36	0.0
	Mizoram	97	1	1.7	1.1	0.2	15	0.0
	Nagaland	129	2	2.4	2.5	-0.3	12	0.0
	Tripura	302	2	5.2	6.0	0.1	59	0.0

D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)			
	Bhutan	Nepal	Bangladesh
Actual (MU)	53.7	-2.3	-26.5
Day Peak (MW)	2341.0	-291.0	-1125.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	328.3	-335.5	126.6	-124.6	5.1	0.0
Actual(MU)	330.1	-320.4	125.9	-136.9	6.8	5.6
O/D/U/D(MU)	1.8	15.1	-0.7	-12.3	1.6	5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	3712	12658	11002	1815	596	29784
State Sector	8639	18022	11282	5645	11	43599
Total	12351	30680	22284	7460	607	73382

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	594	1221	439	484	9	2747
Lignite	25	9	22	0	0	56
Hydro	327	81	77	145	20	649
Nuclear	26	21	67	0	0	114
Gas, Naptha & Diesel	30	109	16	0	26	181
RES (Wind, Solar, Biomass & Others)	64	43	196	4	0	308
Total	1067	1485	816	633	55	4056
Share of RES in total generation (%)	6.03	2.92	24.01	0.70	0.20	7.60
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	39.20	9.75	41.57	23.52	36.84	26.41

	H. All	India	Demand	Diversity	Factor
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Based on Regional Max Demands	1.046					
Based on State Max Demands	1.063					
Di tion of the transfer of the						

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 10-Sep-2020

		,	,	1		Date of Reporting:	10-Sep-2020
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (l		•	• • •	•	
1 HVDC	ALIPURDUAR-AGRA	2	0	1000	0.0	23.6	-23.6
2 HVDC	PUSAULI B/B		4	0	0.0	0.0	0.0
3 765 kV	GAYA-VARANASI	2	0	601	0.0	10.8	-10.8
4 765 kV 5 765 kV	SASARAM-FATEHPUR GAYA-BALIA	1	99	182 555	0.0	1.2 10.0	-1.2 -10.0
6 400 kV	PUSAULI-VARANASI	Î	0	85	0.0	1.1	-1.1
7 400 kV	PUSAULI -ALLAHABAD	1	75	6	1.1	0.0	1.1
8 400 kV	MUZAFFARPUR-GORAKHPUR	2	0	819	0.0	14.2	-14.2
9 400 kV 10 400 kV	PATNA-BALIA BIHARSHARIFF-BALIA	4	0	1067 453	0.0	21.9	-21.9
10 400 KV	MOTIHARI-GORAKHPUR	2	0	358	0.0	8.0 6.8	-8.0 -6.8
12 400 kV	BIHARSHARIFF-VARANASI	2	58	255	0.0	2.6	-2.6
13 220 kV	PUSAULI-SAHUPURI	1	0	153	0.0	2.7	-2.7
14 132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15 132 kV 16 132 kV	GARWAH-RIHAND KARMANASA-SAHUPURI	1	30	0	0.4	0.0	0.4
17 132 kV	KARMANASA-SAHUFURI KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
				ER-NR	1.5	102.8	-101.4
Import/Export of ER (•	•			,	
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	981	0	15.5	0.0	15.5
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	1320	0	16.4	0.0	16.4
3 765 kV	JHARSUGUDA-DURG	2	123	37	1.4	0.0	1.4
4 400 kV	JHARSUGUDA-RAIGARH	4	316	87	2.6	0.0	2.6
5 400 kV	RANCHI-SIPAT	2	454	0	5.7	0.0	5.7
6 220 kV	BUDHIPADAR-RAIGARH	1	5	38	0.0	0.1	-0.1
7 220 kV	BUDHIPADAR-KORBA	2	191	0	3.4	0.0	3.4
				ER-WR	45.0	0.1	45.0
Import/Export of ER (175	201	0.0	07	0.7
1 HVDC 2 HVDC	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	2 2	175 0	381 1987	0.0	8.7 41.8	-8.7 -41.8
3 765 kV	ANGUL-SRIKAKULAM	2	0	2594	0.0	42.7	-41.8 -42.7
4 400 kV	TALCHER-I/C	2	ő	738	0.0	9.4	-9.4
5 220 kV	BALIMELA-UPPER-SILERRU	1	1	0 ED CD	0.0	0.0	0.0
Import/Eve-et -f PD	With NED			ER-SR	0.0	93.2	-93.2
Import/Export of ER (1 400 kV	With NER) BINAGURI-BONGAIGAON	2	0	443	0.0	6.6	-6.6
2 400 kV	ALIPURDUAR-BONGAIGAON	2	0	557	0.0	8.1	-0.0 -8.1
3 220 kV	ALIPURDUAR-SALAKATI	2	0	135	0.0	2.3	-2.3
				ER-NER	0.0	17.1	-17.1
Import/Export of NER 1 HVDC		1 1	0	550	0.0	12.2	12.2
1 HVDC	BISWANATH CHARIALI-AGRA			553 NER-NR	0.0	13.3 13.3	-13.3 -13.3
Import/Export of WR	(With NR)			1121-111	U.U	13.3	-13.3
1 HVDC	CHAMPA-KURUKSHETRA	2	0	1251	0.0	46.7	-46.7
2 HVDC	VINDHYACHAL B/B	-	449	54	6.6	0.5	6.1
3 HVDC	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2 2	0	1549	0.0	38.3	-38.3
4 765 kV 5 765 kV	PHAGI-GWALIOR	2	0	2760 1230	0.0	47.7 24.1	-47.7 -24.1
6 765 kV	JABALPUR-ORAI	2	0	1121	0.0	41.3	-41.3
7 765 kV	GWALIOR-ORAI	1	479	0	9.8	0.0	9.8
8 765 kV	SATNA-ORAI	11	0	1502	0.0	31.7	-31.7
9 765 kV	CHITORGARH-BANASKANTHA	2	0	1021	0.0	10.4	-10.4
10 400 kV 11 400 kV	ZERDA-KANKROLI ZERDA -BHINMAL	1	1 66	175 236	0.0	1.6 1.6	-1.6 -1.6
12 400 kV	VINDHYACHAL -RIHAND	i	966	0	22.6	0.0	22.6
13 400 kV	RAPP-SHUJALPUR	2	0	459	0.0	2.9	-2.9
14 220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.7	-1.7
15 220 kV	BHANPURA-MORAK	1	0	128	0.0	2.0	-2.0
16 220 kV 17 220 kV	MEHGAON-AURAIYA MALANPUR-AURAIYA	1	90 49	0 34	0.2	0.2 0.0	0.0
18 132 kV	GWALIOR-SAWAI MADHOPUR	i	0	0	0.0	0.0	0.0
19 132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
Y	arra an			WR-NR	40.1	250.9	-210.8
Import/Export of WR 1 HVDC	(With SR) BHADRAWATI B/B		0	403	0.0	9.0	-9.0
2 HVDC	RAIGARH-PUGALUR	2	0	1499	0.0	14.7	-14.7
3 765 kV	SOLAPUR-RAICHUR	2	576	1967	0.0	13.8	-13.8
4 765 kV	WARDHA-NIZAMABAD	2	0	2731	0.0	40.2	-40.2
5 400 kV	KOLHAPUR-KUDGI	2	847	0	13.9	0.0	13.9
6 220 kV 7 220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	2	0	0	0.0	0.0	0.0
8 220 kV	XELDEM-AMBEWADI	1	0	75	0.0 1.5	0.0	0.0 1.5
		-	*	WR-SR	15.4	77.7	-62.3
		INTER	NATIONAL EXCHA	NGES			
State	Po		Name		Min (MIII)	A via (3.4337)	Energy Exchange
state	Region			Max (MW)	Min (MW)	Avg (MW)	(MII)
1	ER	400kV MANGDECHH i.e. ALIPURDUAR RE	U-ALIPURDUAR 1&2 CEIPT (from	771	0	742	17.8
İ	r.K	MANGDECHU HEP 4	*180MW)	//1	J	142	1/.8
İ		400kV TALA-BINAGU	JRI 1,2,4 (& 400kV			İ	
İ	ER	MALBASE - BINAGU		1083	0	1062	25.5
	-	RECEIPT (from TAL) 220kV CHUKHA-BIR					
BHUTAN	ER	MALBASE - BIRPAR		364	0	328	7.9
		RECEIPT (from CHU				- 20	
1	MED	132KV-GEYLEGPHU	- SALAKATI	57	41	52	12
İ	NER	LOZKY-GETLEGFHU	MARA!!	57	41	-52	-1.2
İ							
İ	NER	132kV Motanga-Rangi	a	66	44	-55	-1.3
-	 	 				1	
İ	NR	132KV-TANAKPUR(N MAHENDRANAGAR		-55	0	-21	-0.5
İ		MAHENDKANAGAK	(1 G)				
NEPAL	ER	132KV-BIHAR - NEP	AL.	-42	0	-8	-0.2
MEFAL	r.K	LOZIN Y-DIMAN - NEF		-42	J	-8	-0.4
İ		220KV-MUZAFFARP	UR - DHALKERAR				
İ	ER	DC		-194	-2	-68	-1.6
1	ER	BHERAMARA HVDC	(BANGLADESH)	-947	-943	-945	-22.7
BANGLADESH	NER	132KV-SURAJMANI		89	0	-79	-1.9
	LER	COMILLA(BANGLA)	DESH)-1	.,	, 	-17	-2.5
1	NED	132KV-SURAJMANI		00		70	10
	NER	COMILLA(BANGLA)		89	0	-79	-1.9