

# **National Load Despatch Centre** पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

## POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

Date: 15<sup>th</sup> Dec, 2015

To,

- 1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता 700033 General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 2. Executive Director, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 कार्यपालक निदेशक, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई 400093 General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह , लापलंग, शिलोंग 793006 General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगल्र 560009 Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 14.12.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 14th Dec 2015 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर निम्न लिंक 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 14<sup>th</sup> Dec 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/15.12.15\_NLDC\_PSP.pdf

Thanking You.

## पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day Date of Reporting 15-Dec-15

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	39204	43792	31996	16441	2219	133652
Peak Shortage (MW)	1536	109	1500	256	62	3463
Energy Met (MU)	799	986	730	330	35	2880
Hydro Gen(MU)	123	26	45	14	7	215
Wind Gen(MU)	4	39	5			49

B. Frequency Profile (%)

Region	<49.2	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
NEW GRID	0.00	0.00	1.67	16.42	18.09	62.11	19.80
SR GRID	0.00	0.00	1.67	16.42	18.09	62.11	19.80

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	OD(+)/	Max
RegionRegion	States	Met during the	maximum Demand	Met (MU)	Schedule (MU)	UD(-) (MU)	OD (MW
		day (MW)	(MW)	Met (MO)	Schedule (MC)	OD(-) (MO)	OD (MW
	Punjab	4863	0	93.3	43.2	-0.8	194
	Haryana	6253	0	112.4	65.3	-1.3	109
	Rajasthan	9825	0	212.4	77.9	1.0	225
	Delhi	3349	0	58.9	45.3	0.2	234
NR	UP	10297	910	218.8	100.9	-2.0	434
	Uttarakhand	1755	75	33.1	25.4	0.6	126
	HP	1341	0	24.3	19.2	0.0	101
	J&K	1953	488	42.5	36.1	-0.5	111
	Chandigarh	198	0	3.5	3.5	0.3	29
	Chhattisgarh	3283	96	67.2	27.5	-0.5	489
	Gujarat	12200	9	262.9	54.3	-3.5	549
	MP	10583	0	215.7	125.9	-3.7	263
WR	Maharashtra	19138	22	402.0	102.1	-0.2	405
VVIN	Goa	429	0	8.6	7.9	0.0	43
	DD	285	0	6.3	6.2	0.1	38
	DNH	672	0	15.5	15.5	0.0	11
	Essar steel	380	0	7.7	7.2	0.6	140
	Andhra Pradesh	6148	0	128.9	20.9	1.4	411
	Telangana	5790	0	131.3	85.2	0.7	170
SR	Karnataka	7666	1500	171.4	39.7	4.7	528
511	Kerala	3179	0	61.2	45.0	1.7	116
	Tamil Nadu	11355	0	231.7	93.0	4.8	605
	Pondy	295	0	5.7	5.8	-0.1	40
	Bihar	3310	150	63.2	62.4	-1.0	234
	DVC	2446	0	57.4	-14.0	-1.5	108
ER	Jharkhand	1134	106	23.2	10.8	0.3	79
	Odisha	3296	0	62.0	21.5	0.7	95
	West Bengal	6333	0	122.2	23.4	2.6	215
	Sikkim	101	0	2.0	1.3	0.8	29
	Arunachal Pradesh	99	7	1.6	1.5	0.2	57
	Assam	1285	30	20.3	13.9	1.3	205
	Manipur	147	2	2.2	2.4	-0.1	26
NER	Meghalaya	286	4	4.4	4.5	-1.2	56
	Mizoram	88	3	1.4	1.1	0.2	29
	Nagaland	114	4	1.7	1.6	0.1	44
	Tripura	207	0	3.3	-0.5	1.7	40

 ${\color{red} \textbf{D. Transnational Exchanges} \ (MU) - Import(+ve)/Export(-ve)}$ 

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-4.7	-9.2
Max MW		-214.8	-471.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.8	-154.3	58.5	-62.3	4.8	-1.5
Actual(MU)	158.2	-172.6	66.7	-58.2	6.3	0.4
O/D/U/D(MU)	6.4	-18.3	8.2	4.2	1.5	1.9

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3726	11686	2640	1760	433	20245
State Sector	10745	13241	7848	5859	110	37803
Total	14471	24927	10488	7619	543	58048

सचिव(ऊर्जा)/ विशेष सचिव(ऊर्जा)/अतिरिक्त सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि॰प्रा॰(ग्रि॰प्र॰)/ अध्यक्ष एवं प्रबंध निदेशक (पावरग्रिङ)/मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यो के मुख्य सचिव/ऊर्जा सचिव

Simple   Value   Line Details   Circuit   Import   Circuit   Cir							Date of Reporting :			
SIND   Voltage   Line Defails   Circuit   Linguit   Linguit   Linguit   May   May		1		1		L 36	I		Import=(+v /Export =(- for NET (N	
Total		Level		Circuit	Import	Export	Import (MU)		NET (MU)	
765KV   GAYLABILA   S.C.   0   0   0   0   1.0   1.10   1.11		xport of		0.0		405				
SABRAM FATERPUR	1	TO THE WAY								
STATE   PESAULE BB	2	705K V								
Signature   Section   S		HVDC								
S										
60   N   MIZEAPARERIS GORAKIBUR   D.C   540   150   2.0   0.0   2.0   2.0									-5.0	
7										
BIHARSHARIFF-IRALIA   D.C   319   95   0.0   0.0   0.0		400 KV		_						
BARI-GORAGHPUR   D.C   0   0   0.0   10.0   -10.		•							0.0	
11   132 KV   SONE NAGAR RIHAND   S.C.   33   0   1.0   0				D/C	0	0	0.0	10.0	-10.0	
132   132   132   132   132   133   134	10	220 KV	PUSAULI-SAHUPURI	S/C	0	189	0.0	1.0	-1.0	
131   132   132   133   134									0.0	
Table		132 KV		+					1.0	
Import/Export of ER (With WR)		1								
Import/Export of ER (With WR)	14	ı	NAKWANASA-CHANDAULI	3/C	U				-34.0	
16	Import/E	export of	ER (With WR)			2A-11K	3.0	37.0	-54.0	
16   16   16   16   16   17   17   18   19   19   19   19   19   19   19				D/C	0	0	0.0	10.0	-10.0	
18	16	/05 KV	NEW RANCHI-DHARAMJAIGARH	S/C	0	0	0.0	2.0	-2.0	
18	17			S/C	0	0	1.0	0.0	1.0	
19	18	1		S/C	0	0	2.0	0.0	2.0	
221   220 KV   220	19	400 KV		S/C	0	0		0.0	1.0	
220   220 KV   BUDHIPADAR-RAIGARH   S.C.   0   182   0.0   3.0   -3.6	20		STERLITE-RAIGARH	D/C	0	0	0.0	3.0	-3.0	
BUDHIPADAR-KORBA	21		RANCHI-SIPAT						3.0	
Import/Export of ER (With SR)		220 KV							-3.0	
Import/Export of ER (With SR)	23		BUDHIPADAR-KORBA	D/C	28					
24 HYDC   EYPORE-GAZUWAKA B/B   D/C   0   671   0   16.0   -16.1   25 LINK   TALCHER-KOLAR BIPOLE   D/C   0   2448   0   45.0   45.0   26 40 kV   TALCHER-LC   407   521   2   0   2.0   27   220 kV   BALIMELA-UPPER-SILERRU   S/C   0   0   0   0   0    ER-SR   2.0   61.0   -61.1    Import/Export of ER (With NER)  27   400 kV   BINAGURI-BONGAIGAON   Q/C   194   270   1   0   1   28   220 kV   BIRPARA-SALAKATI   D/C   52   55   0   0   0   0    Import/Export of NR (With NER)  29   HVDC   BISWANATH CHARIALI-AGRA   - 0   500   0   9   -9.6    Import/Export of WR (With NR)  30   HVDC   VCHAL B/B   D/C   400   350   4.0   2.4   1.6   31   765 kV   GWALIOR-AGRA   D/C   0   1396   0   27.9   -27.   33   400 kV   ZERDA-BHINMAL   S/C   130   128   0.7   0.0   0.7   35   400 kV   ZERDA-BHINMAL   S/C   130   128   0.7   0.0   0.7   36   BADOD-MORA   S/C   49   17   0.4   0.0   0.3   37   220 kV   BADOD-MORA   S/C   49   17   0.4   0.0   0.3   38   220 kV   BADOD-MORA   S/C   40   0   2520   0   0   52   55   39   MALANPUR-AURAIYA   S/C   33   0   0.5   0.0   0.0   41   HVDC   API-MHG   D/C   0   1692   0.0   29.6   -29.   40   LIZEN   GWALIOR-SAWAI MADHOPUR   S/C   0   0   0.0   0.0   0.0   41   HVDC   BADRAWATI B/B   - 0   1000   0.0   22.6   0.0   22.6   46   220 kV   FONDA-AMBEWADI   S/C   98   0   2.2   0.0   2.2   47   BHUTAN   BHUTAN   S/C   98   0   2.2   0.0   2.2   47   BHUTAN   BHUTAN   S/C   98   0   2.2   0.0   2.2   47   BHUTAN   BHUTAN   S/C   98   0   2.2   0.0   0.2   48   220 kV   BRANSHELERU   S/C   98   0   0   0.0   0.0   40   220 kV   BADRA-MABEWADI   S/C   98   0   0   0.0   0.0   41   LVDC   BADRA-MABEWADI   S/C   98   0   0.2   0   0.0   42   LVDC   BADRA-MABEWADI   S/C   98   0   0   0.2   0   0.2   45   220 kV   FONDA-AMBEWADI   S/C   98   0   0   0.2   0   0.2   46   220 kV   FONDA-AMBEWADI   S/C   98   0   0   0   0   0   0   47   S/C   47   BHUTAN   S/C   98   0   0   0.2   48   47   S/S   47   S/S   S/L	Import/F	export of	ER (With SR)			EK-WK	7.0	19.0	-12.0	
25				D/C	0	671	0	16.0	-16.0	
27    220 KV   BALIMELA-UPPER-SILERRU   S/C   0   0   0   0   0   0   0   0   0	25	4		D/C					-45.0	
Transmational Er-SR   2,0   61,0   61,0   61,0	26	400 KV	TALCHER-I/C		407	521	2	0	2.0	
Import/Export of ER (With NER)   27	27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0		0	0	0.0	
27	T	aut at	PED (WALNED)			ER-SR	2.0	61.0	-61.0	
28   220 KV   BIRPARA-SALAKATI				O/C	194	270	1	0	1	
Import/Export of NR (With NER)										
NR-NER		<u> </u>			ı	ER-NER	1.0	0.0	1.0	
Import/Export of WR (With NR)   30	Import/F	xport of	NR (With NER)							
Import/Export of WR (With NR)   30	29	HVDC	BISWANATH CHARIALI-AGRA	-	0				-9.0	
30 HVDC VCHAL B/B D/C 400 350 4.0 2.4 1.6 31 765 KV GWALIOR-AGRA D/C 0 3112 0.0 60.9 -60.9 32 765 KV PHAGI-GWALIOR D/C 0 1396 0 27.9 -27. 33 400 KV ZERDA-BHINMAL S/C 191 0 3.0 0.0 0.0 34 400 KV ZERDA BHINMAL S/C 191 0 0 0.0 0.0 0.0 36 BADOD-KOTA S/C 65 0 0.7 0.0 0.7 37 220 KV BADOD-MORAK S/C 49 17 0.4 0.0 0.3 38 BADOD-MORAK S/C 49 17 0.4 0.0 0.3 39 MEHGAON-AURAIYA S/C 75 0 1.2 0.0 1.2 MALANPUR-AURAIYA S/C 33 0 0.5 0.0 0.5 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0.0 0.0 0.0 41 HVDC APL -MHG D/C 0 2520 0 52 -52.  Import/Export of WR (With SR)  42 HVDC BHADRAWATI B/B - 0 1000 0.0 21.6 -21. 43 LINK BARSUR-L.SILERU - 0 0 0 0.0 29.6 -29. 440 KV KOLHAPUR-RUCDGI D/C 190 0 2.6 0.0 2.6 45 220 KV KOLHAPUR-RUCDGI D/C 0 212 0.0 2.2 47 BHUTAN	Import/E	Evmont of	WD (With ND)			NR-NER	0.0	9.0	-9.0	
31 765 KV GWALIOR-AGRA D./C 0 3112 0.0 60.9 60.9  32 765 KV PHAGI-GWALIOR D./C 0 1396 0 27.9 -27.  33 400 KV ZERDA-KANKROLI S./C 191 0 3.0 0.0 3.0  34 400 KV ZERDA-BHINNAL S./C 130 128 0.7 0.0 0.7  35 400 KV VCHAL-RHAND S./C 0 0 0 0.0 0.0 0.0  36 BADOD-KOTA S./C 65 0 0.7 0.0 0.7  37 220 KV MEHGAON-AURAIYA S./C 75 0 1.2 0.0 1.2  39 MALANPUR-AURAIYA S./C 75 0 1.2 0.0 1.2  39 MALANPUR-AURAIYA S./C 33 0 0.5 0.0 0.5  40 132KV GWALIOR-SAWAI MADHOPUR S./C 0 0 0 0.0 0.0 0.0  WR-NR 10.4 91.2 -80.3  Import/Export of WR (With SR)  41 HVDC APL-MHG D./C 0 2520 0 52 -52.  Import/Export of WR (With SR)  42 HVDC BHADRAWATI B/B - 0 1000 0.0 21.6 -21.  43 LINK BARSUR-L.SILERU - 0 0 0 0.0 0.0 0.0  44 765 KV SOLAPUR-RAICHUR D./C 0 1692 0.0 29.6 -29.  46 220 KV KOLHAPUR-KUDGI D./C 0 212 0.0 4.5 -4.5  46 220 KV KOLHAPUR-CHIKODI D./C 0 212 0.0 0.0 0.0  XR-SR 4.7 55.8 -51.  TRANSNATIONAL EXCHANGE		_		D/C	400	350	4.0	2.4	1.6	
32									-60.9	
33									-27.9	
35	33	400 KV	ZERDA-KANKROLI		191		3.0	0.0	3.0	
36   37   38   39   BADOD-KOTA   S/C   65   0   0.7   0.0   0.7   0.0   0.7   37   38   38   38   38   38   38   3									0.7	
BADOD-MORAK   S/C   49   17   0.4   0.0   0.3		400 KV							0.0	
MEHGAON-AURAIYA		1							0.7	
39 MALANPUR-AURAIYA S/C 33 0 0.5 0.0 0.5 40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0 0.0 0.0 0.0  WR-NR 10.4 91.2 -80.3 41 HVDC APL -MHG D/C 0 2520 0 52 -52.  Import/Export of WR (With SR)  42 HVDC BHADRAWATI B/B - 0 1000 0.0 21.6 -21. 43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 0.0 0.0 44 765 KV SOLAPUR-RAICHUR D/C 0 1692 0.0 29.6 -29.  400 KV KOLHAPUR-KUDGI D/C 190 0 2.6 0.0 2.6 45 20 KV KOLHAPUR-KUDGI D/C 190 0 2.6 0.0 2.6 46 220 KV PONDA-AMBEWADI S/C 98 0 2.2 0.0 2.2  WR-SR 4.7 55.8 -51.4  TRANSNATIONAL EXCHANGE		220 KV								
40 132KV GWALIOR-SAWAI MADHOPUR S/C 0 0 0 0.0 0.0 0.0 0.0  WR-NR 10.4 91.2 -80.3  41 HVDC APL -MHG D/C 0 2520 0 52 -52.  Import/Export of WR (With SR)  42 HVDC BHADRAWATI B/B - 0 1000 0.0 21.6 -21.  43 LINK BARSUR-L.SILERU - 0 0 0.0 0.0 0.0 0.0  44 765 KV SOLAPUR-RAICHUR D/C 0 1692 0.0 29.6 -29.  400 KV KOLHAPUR-KUDGI D/C 190 0 2.6 0.0 2.6  45 KOLHAPUR-CHIKODI D/C 0 212 0.0 4.5 -4.5  46 220 KV PONDA-AMBEWADI S/C 0 0 0 0.0 0.0 0.0  47 WR-SR 4.7 55.8 -51.4  TRANSNATIONAL EXCHANGE		1								
WR-NR   10.4   91.2   -80.3		132KV							0.0	
Import/Export of WR (With SR)						WR-NR	10.4	91.2	-80.8	
42 HVDC LINK BHADRAWATI B/B - 0 1000 0.0 21.6 -21.  43 LINK BARSUR-L.SILERU - 0 0 0 0.0 0.0 0.0  44 765 KV SOLAPUR-RAICHUR D/C 0 1692 0.0 29.6 -29.  400 KV KOLHAPUR-KUDGI D/C 190 0 2.6 0.0 2.6  45 KOLHAPUR-CHIKODI D/C 0 212 0.0 4.5 -4.5  46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 0.0  47 WR-SR 4.7 55.8 -51.4  TRANSNATIONAL EXCHANGE				D/C	0	2520	0	52	-52.4	
A3		· -	1		1	1		I	ı	
44 765 KV SOLAPUR-RAICHUR D/C 0 1692 0.0 29.6 -29.  400 KV KOLHAPUR-KUDGI D/C 190 0 2.6 0.0 2.6 45 46 220 KV PONDA-AMBEWADI S/C 0 0 0.0 0.0 0.0  XELDEM-AMBEWADI S/C 98 0 2.2 0.0 2.2  WR-SR 4.7 55.8 -51.4  TRANSNATIONAL EXCHANGE	Import/E			-					-21.6	
400 KV   KOLHAPUR-KUDGI   D/C   190   0   2.6   0.0   2.6     45	Import/E		DAKSUK-L.SILEKU							
45 46 46 47 PONDA-AMBEWADI S/C 0 212 0.0 4.5 -4.5 4.5 4.7 55.8 -51.4 TRANSNATIONAL EXCHANGE	Import/F 42 43	LINK	SOLAPI IR-RAICHI IR	D/C					2.6	
46 47 PONDA-AMBEWADI S/C 0 0 0.0 0.0 0.0 0.0 47 XELDEM-AMBEWADI S/C 98 0 2.2 0.0 2.2 WR-SR 4.7 55.8 -51.4 TRANSNATIONAL EXCHANGE   ▼ 47 BHUTAN	Import/F 42 43	LINK 765 KV		D/C		, v			-4.5	
WR-SR   4.7   55.8   -51.0	42 43 44	LINK 765 KV	KOLHAPUR-KUDGI	_		212	0.0	4.5		
TRANSNATIONAL EXCHANGE  47 BHUTAN	42 43 44 45	11NK 765 KV 400 KV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C	0				0.0	
№ 47 BHUTAN	42 43 44 45 46	11NK 765 KV 400 KV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C	0	0	0.0	0.0		
	42 43 44 45 46	11NK 765 KV 400 KV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C S/C	0	0	0.0 2.2	0.0	0.0	
	42 43 44 45 46	11NK 765 KV 400 KV	KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C S/C S/C	0 0 98	0 0 WR-SR	0.0 2.2	0.0	0.0 2.2	