

# **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> Nov. 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 14.11.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 14<sup>th</sup> Nov 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> Nov 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/15.11.15 NLDC PSP.pdf

Thanking You.

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

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

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	36863	38773	31217	17143	2347	126343
Peak Shortage (MW)	1393	141	1000	256	67	2857
Energy Met (MU)	790	906	686	338	38	2758
Hydro Gen(MU)	135	23	35	26	9	228
Wind Gen(MU)	4	15	17			35

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	0.59	8.19	8.78	68.23	22.99
SR GRID	0.00	0.00	0.59	8.19	8.78	68.23	22.99

C.Power Supply Position in States

		Max. Demand	Shortage during	Energy	Drawal	<b>OD</b> (+)/	Max
RegionRegion	States	Met during the	maximum Demand	Met (MU)	Schedule (MU)	UD(-) (MU)	OD (MW
		day (MW)	(MW)	Met (MO)	` ′	OD(-) (MO)	OD (MW
	Punjab	4576	0	92.3	52.6	0.0	234
	Haryana Rajasthan	5514	0	99.3	64.7	0.0	289
		9465	0	204.1	74.8	3.3	456
NR	Delhi	3054	0	56.7	43.0	-0.4	150
	UP	11087	0	241.7	113.6	-5.1	293
	Uttarakhand	1716	0	30.3	21.4	1.8	199
	HP	1129	0	21.3	15.8	-0.2	31
	J&K	1957	489	40.6	31.5	0.7	163
	Chandigarh	177	0	3.2	3.5	0.3	0
	Chhattisgarh	2850	96	63.7	14.9	-0.7	217
	Gujarat	10237	0	224.6	50.2	-1.5	322
	MP	9354	0	208.7	134.2	-1.6	267
WR	Maharashtra	17440	38	373.4	88.9	-1.8	515
VVIN	Goa	397	0	8.6	7.3	0.7	140
	DD	242	0	5.1	5.1	0.0	41
	DNH	645	0	14.5	14.5	0.0	-8
	Essar steel	428	0	7.8	7.8	0.0	141
	Andhra Pradesh	5900	0	125.2	24.2	1.4	429
	Telangana	5961	0	129.7	80.1	-0.4	253
SR	Karnataka	7246	1000	154.9	33.3	2.4	579
JN.	Kerala	3191	0	59.6	42.9	2.6	281
	Tamil Nadu	10474	0	211.0	89.4	2.2	538
	Pondy	261	0	5.1	5.1	0.0	29
	Bihar	3397	100	64.1	63.3	-1.6	0
	DVC	2455	0	56.8	-8.4	-0.4	100
ER	Jharkhand	1071	0	24.0	12.7	0.3	110
LIN	Odisha	3797	0	70.5	22.8	0.8	400
	West Bengal	6651	0	120.9	27.3	-1.0	200
	Sikkim	88	0	1.2	1.3	-0.1	25
	Arunachal Pradesh	113	2	1.9	1.5	0.4	39
	Assam	1371	9	22.2	15.5	1.7	215
	Manipur	145	2	2.5	2.3	0.2	20
NER	Meghalaya	335	3	5.2	4.3	-0.5	65
	Mizoram	88	2	1.4	1.2	0.1	29
	Nagaland	105	4	1.7	1.5	0.2	48
	Tripura	217	5	3.5	0.6	0.8	82

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.7	-2.6	-9.1
Max MW		-179.6	-459.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	135.8	-146.4	64.5	-57.2	2.5	-0.8
Actual(MU)	133.6	-161.0	68.4	-37.3	-3.8	-0.1
O/D/U/D(MU)	-2.2	-14.6	3.9	19.9	-6.3	0.7

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3583	13573	3220	1820	50	22246
State Sector	11830	13016	5722	5659	110	36337
Total	15413	26589	8942	7479	160	58583

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

					_	Date of R	Reporting :	15-Nov-
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
	Export of	ER (With NR)				1		
1		GAYA-FATEHPUR GAYA-BALIA	S/C	26	335	0.0	3.8	-3.8
2	765KV		S/C	0			5.6	-5.6
2	HVDC	SASARAM-FATEHPUR	S/C	0	0	0.0	4.1	-4.1
3	LINK	PUSAULI B/B	S/C	0	0	0.0	1.3	-1.3
4		PUSAULI-SARNATH	S/C	0	79	0.0	0.0	0.0
5		PUSAULI -ALLAHABAD	D/C	40	43	0.0	0.0	0.0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	116	508	0.0	6.5	-6.5
7		PATNA-BALIA	Q/C	0	193	0.0	7.3	-7.3
8	-	BIHARSHARIFF-BALIA	D/C	100	262	0.0	2.6	-2.6
10	220 KV	BARH-GORAKHPUR	D/C	0	0	0.0	7.7	-7.7
10	220 KV	PUSAULI-SAHUPURI	S/C	0	157 1	0.0	2.8 0.0	-2.8
12	1	SONE NAGAR-RIHAND GARWAH-RIHAND	S/C S/C	30	0	0.0	0.0	0.0
13	132 KV	KARMANASA-SAHUPURI	S/C	0	1	0.0	0.0	0.0
14	1	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
-	1				ER-NR	0.5	41.7	-41.1
nport/l	Export of	ER (With WR)						
15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	7.0	-7.0
16	, 05 K V	NEW RANCHI-DHARAMJAIGARH	S/C	0	0	0.0	0.5	-0.5
17		ROURKELA - RAIGARH ( SEL LILO	S/C	0	0	1.6	0.0	1.6
18	1	BYPASS) JHARSUGUDA-RAIGARH	S/C	0	0	3.1	0.0	3.1
19	400 KV	IBEUL-RAIGARH	S/C	0	0	2.2	0.0	2.2
20	1	STERLITE-RAIGARH	D/C	0	0	0.0	3.3	-3.3
21	1	RANCHI-SIPAT	D/C	364	0	6.0	0.0	6.0
22	220 7777	BUDHIPADAR-RAIGARH	S/C	0	163	0.0	2.5	-2.5
23	220 KV	BUDHIPADAR-KORBA	D/C	29	74	0.0	0.4	-0.4
					ER-WR	13.0	13.6	-0.7
		ER (With SR)	D/C		502	0	145	14.5
24	HVDC LINK	JEYPORE-GAZUWAKA B/B TALCHER-KOLAR BIPOLE	D/C D/C	0	582 2449	0	14.5 48.0	-14.5 -48.0
26	400 KV	TALCHER-I/C	D/C	364.564	298	4.4033	0.5796	3.8
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0.0
	ı				ER-SR	4.4	62.4	-62.4
								•
nport/l	Export of	ER (With NER)						
nport/I	Export of 400 KV	ER (With NER) BINAGURI-BONGAIGAON	Q/C	168	92	4	0	4
_	_		Q/C D/C	168 39	92 60	4 0	0	0
27 28	400 KV 220 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI						
27 28 nport/l	400 KV 220 KV Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI NR (With NER)	D/C	39	60 ER-NER	0 4.4	0 <b>0.2</b>	0 4.2
27 28	400 KV 220 KV Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI			60 ER-NER 450	0 4.4	0 <b>0.2</b>	0 4.2 -10.0
27 28 nport/I	400 KV 220 KV Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA	D/C	39	60 ER-NER	0 4.4	0 <b>0.2</b>	0 4.2
27 28 nport/l 29	400 KV 220 KV Export of HVDC Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)	D/C	39	60 ER-NER 450 NR-NER	0 4.4 0 0.0	0 0.2 10 10.0	-10.0 -10.0
27 28 1port/l 29 1port/l 30	400 KV 220 KV Export of HVDC Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B	D/C - D/C	0 300	60 ER-NER 450 NR-NER	0 4.4 0 0.0	0 0.2 10 10.0	0 4.2 -10.0 -10.0
27 28 nport/l 29 nport/l 30 31	Export of HVDC  Export of HVDC  Export of HVDC	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA	D/C - D/C D/C	39 0 300 0	60 ER-NER 450 NR-NER 0 2968	0 4.4 0 0.0 6.8	0 0.2 10 10.0 0.0 56.0	0 4.2 -10.0 -10.0 -10.0
27 28 nport/l 29 nport/l 30 31 32	Export of HVDC  Export of HVDC  Export of HVDC  65 KV  765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR	D/C  D/C  D/C  D/C  D/C	39 0 300 0 0	60 ER-NER 450 NR-NER 0 2968 1205	0 4.4 0 0.0 6.8 0.0 0	0 0.2 10 10.0 0.0 56.0 23.5	0 4.2 -10.0 -10.0 -10.0 -6.8 -56.0 -23.5
27 28 nport/l 29 nport/l 30 31	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI	D/C - D/C D/C	39 0 300 0	60 ER-NER 450 NR-NER 0 2968	0 4.4 0 0.0 6.8	0 0.2 10 10.0 0.0 56.0	0 4.2 -10.0 -10.0 -10.0
27 28 1port/1 29 1port/1 30 31 32 33	Export of HVDC  Export of HVDC  Export of HVDC  65 KV  765 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR	D/C  D/C  D/C  D/C  D/C  S/C	39 0 300 0 0 205	60 ER-NER 450 NR-NER 0 2968 1205 0	0 4.4 0 0.0 6.8 0.0 0	0 0.2 10 10.0 0.0 56.0 23.5 0.0	0 4.2 -10.0 -10.0 -10.0 -6.8 -56.0 -23.5 2.9
27 28 nport/l 29 nport/l 30 31 32 33 34	### 400 KV   220 KV   220 KV   220 KV   Export of   HVDC   F40 KV   400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL	D/C  D/C  D/C  D/C  S/C  S/C	39 0 300 0 0 205 139	60 ER-NER 450 NR-NER 0 2968 1205 0	0 4.4 0 0.0 6.8 0.0 0 2.9 0.4	0 0.2 10 10.0 0.0 56.0 23.5 0.0 0.0	0 4.2 -10.0 -10.0 -10.0 -10.0 -23.5 -23.5 -29 0.4
27 28 nport/l 29 nport/l 30 31 32 33 34 35	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL V'CHAL - RIHAND	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 300 0 0 205 139 0	60 ER-NER 450 NR-NER 0 2968 1205 0 115 0	0 4.4 0 0.0 0.0 0 0 0 2.9 0.4 0.0	0 0.2 10 10.0 0.0 56.0 23.5 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0
27 28 nport/l 29 30 31 32 33 34 35 36	### 400 KV   220 KV   220 KV   220 KV   Export of   HVDC   F40 KV   400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 0 0 0 0 205 139 0 96	60 ER-NER 450 NR-NER 0 2968 1205 0 115 0	0 4.4 0 0.0 6.8 0.0 0 2.9 0.4 0.0 1.6	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0	0 4.2 -10.0 -10.0 6.8 -56.0 -23.5 2.9 0.4 0.0 1.6
27 28 29 29 30 31 32 33 34 35 36 37 38 39	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 300 0 0 205 139 0 96 64 87 41	60 ER-NER 450 NR-NER 0 2968 1205 0 1115 0 0 8 0	0 4.4 0 0.0 0.0 0 2.9 0.4 0.0 1.6 0.7	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5
27 28 29 29 30 31 32 33 34 35 36 37 38	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 300 0 0 205 139 0 96 64 87	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 0	0 4.4 0 0.0 0.0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5 0.6
27 28 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 400 KV 400 KV 400 KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 0 0 0 205 139 0 96 64 87 41 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 WR-NR	0 4.4 0 0.0 0.0 0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 79.5	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 0.6 -0.6 -0.6
27 28 29 29 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C  D/C  D/C  D/C  S/C  S/C  S/C  S/C	39 0 300 0 0 205 139 0 96 64 87 41	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 0	0 4.4 0 0.0 0.0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5 0.6
27 28 29 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL -MHG WR (With SR)	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 0 0 0 205 139 0 96 64 87 41 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 0 WR-NR  2015	0 4.4 0 0.0 0 0 0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0 0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 4.2 -10.0 -10.0 -10.0 -10.0 -10.0 -23.5 -29 -0.4 -0.0 -1.6 -0.6 -0.6 -0.0 -65.0 -48.3
27 28 29 29 29 29 30 31 32 33 34 35 36 37 38 39 40	400 KV 220 KV Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL-MHG WR (With SR) BHADRAWATI B/B	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 0 0 0 0 205 139 0 96 64 87 41 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 WR-NR	0 4.4 0 0.0 0.0 0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 79.5	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 0.6 -65.0 -48.3
27 28 mport/J 29 mport/J 30 31 32 33 34 35 36 37 38 39 40 41 mport/J 42	400 KV   220 KV   220 KV   Export of   HVDC   765 KV   400 KV   400 KV   400 KV   132KV   HVDC   HVDC   LINK   HVDC   LINK   HVDC   LINK   1200 KV   1200	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 300 0 0 205 139 0 96 64 87 41 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 WR-NR  2015	0 4.4 0 0.0 0 0.0 0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0 0.0	0 0.2 10 10.0 0.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 4.2 -10.0 -10.0 -10.0 -10.0 -10.0 -23.5 -29 -0.4 -0.0 -1.6 -0.6 -0.6 -0.0 -65.0 -48.3
27 28 <b>mport/J</b> 29 <b>mport/J</b> 30 31 32 33 34 35 36 37 38 39 40 41 <b>mport/J</b>	400 KV   220 KV   220 KV   Export of   HVDC   HVDC   T65 KV   400 KV   400 KV   400 KV   132KV   HVDC   Export of   Export of   HVDC   Export of	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL-MHG WR (With SR) BHADRAWATI B/B	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 300 0 0 205 139 0 96 64 87 41 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 0 WR-NR  2015	0 4.4 0 0.0 0.0 0 0 2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0 0.0	0 0.2 10 10.0 56.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0 4.2 -10.0 -10.0 6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5 0.6 -48.3
27 28 nport/J 29 nport/J 30 31 32 33 34 35 36 37 38 39 40 41 41 42 42 43	400 KV   220 KV   220 KV   Export of   HVDC   765 KV   400 KV   400 KV   400 KV   132KV   HVDC   HVDC   LINK   HVDC   LINK   HVDC   LINK   1200 KV   1200	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) V'CHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR  APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39 300 0 0 205 139 0 96 64 87 41 0 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 8 0 WR-NR 2015  1000 0 1817	0 4.4 0 0.0 0.0 0 0.0 0 0.2.9 0.4 0.0 1.6 0.7 1.5 0.6 0.0 0.0 1.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 0.2 10 10.0 56.0 56.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 48.3	0 4.2 -10.0 -10.0 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5 0.0 -48.3 -20.9 0.0
27 28 nport/J 29 nport/J 30 31 32 33 34 35 6 37 38 39 40 41 41 42 42 44 44 45	400 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA -BHINMAL  VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39  300  0  0  205  139  0  96  64  87  41  0  0  0  127  0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 0 WR-NR  2015  1000 0 1817	0 4.4 0 0.0 0.0 0 0.0 0 0.0 0.0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 79.5 48.3	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 1.6 0.6 1.5 0.6 -65.0 -48.3
27 28 nport/J 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 42 43 44 45 46	400 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL  VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39  300 0 0 205 139 0 96 64 87 41 0 0 0 127 0 0	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 0 WR-NR  2015  1000 0 1817 192 0	0 4.4 0 0.0 0.0 0.0 0.0 0.0 0.7 1.5 0.6 0.0 14.5 0.0 0.0 0.0 0.0 0.0 0.0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 -1.6 0.6 -1.5 0.6 -48.3 -20.9 0.0 -28.2 -4.4
27 28 29 29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 44 44 45 46	400 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39  300 0 0 0 205 139 0 96 64 87 41 0 0 0 127 0 0 102	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 0 WR-NR  2015  1000 0 1817 192 0 0 WR-SR	0 4.4 0 0.0 0.0 0.0 0.0 0.0 0.7 1.5 0.6 0.0 14.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 20.0 20.0 48.3 20.9 0.0 28.2 4.4 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 -1.6 0.6 -1.5 0.6 -48.3 -20.9 0.0 -28.2 -4.4 0.0
27 28 29 29 29 29 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 44 44 45 46	400 KV 220 KV Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC 132KV	BINAGURI-BONGAIGAON BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA-BHINMAL  VCHAL -RIHAND BADOD-KOTA BADOD-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL-MHG WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	39  300 0 0 0 205 139 0 96 64 87 41 0 0 0 127 0 0 102	60 ER-NER  450 NR-NER  0 2968 1205 0 115 0 0 0 WR-NR  2015  1000 0 1817 192 0 0 WR-SR	0 4.4 0 0.0 0.0 0.0 0.0 0.0 0.7 1.5 0.6 0.0 14.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	0 0.2 10 10.0 56.0 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 20.0 20.0 48.3 20.9 0.0 28.2 4.4 0.0 0.0	0 4.2 -10.0 -10.0 -6.8 -56.0 -23.5 2.9 0.4 0.0 -1.6 0.6 -1.5 0.6 -48.3 -20.9 0.0 -28.2 -4.4 0.0