

# **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

Date: 10<sup>th</sup> Oct, 2015

Ref: POSOCO/NLDC/SO/Daily PSP Report

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 09.10.2015.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 09th Oct 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 09<sup>th</sup> Oct 2015, is available at the NLDC website.

http://posoco.in/attachments/article/94/10.10.15\_NLDC\_PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 10-Oct-15

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	45566	45924	33829	17826	2077	145222
Peak Shortage (MW)	1835	295	1700	794	309	4933
Energy Met (MU)	1008	1076	768	379	39	3270
Hydro Gen(MU)	188	28	53	51	18	337
Wind Gen(MU)	14	8	26			48

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	2.31	17.65	20.09	67.34	12.57
SR GRID	0.00	0.00	2.31	17.65	20.09	67.34	12.57

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 (MO)	OD(-) (MO)	· ·	
	Punjab	7391	0	160.1	71.0	-0.7	99	
	Haryana	7610	0	158.7	92.1	-0.1	226	
	Rajasthan	9168	0	201.1	60.3	-1.5	171	
NR	Delhi	4439	0	91.2	77.7	-0.7	208	
	UP	12992	3435	292.1	130.9	1.7	426	
	Uttarakhand	1837	0	37.1	18.1	2.4	229	
	HP	1323	0	25.5	15.4	0.1	89	
	J&K	1938	485	37.3	25.3	0.2	230	
	Chandigarh	237	0	4.6	4.6	0.3	13	
	Chhattisgarh	3721	148	86.6	37.2	1.8	282	
	Gujarat	14197	0	323.2	66.5	-1.3	168	
	MP	9057	0	203.0	112.1	-1.8	171	
WR	Maharashtra	19077	460	428.3	118.8	-1.2	319	
WK	Goa	437	0	9.1	8.1	0.6	29	
	DD	294	0	5.4	5.7	-0.3	26	
	DNH	708	0	16.2	16.3	-0.2	31	
	Essar steel	217	0	4.2	3.8	0.4	104	
	Andhra Pradesh	6125	0	133.4	19.4	1.2	371	
	Telangana	6650	0	149.5	107.4	-1.3	322	
SR	Karnataka	6499	1300	142.7	26.1	4.0	575	
JN.	Kerala	3263	200	58.6	37.8	0.3	310	
	Tamil Nadu	13002	0	277.0	120.6	-0.2	462	
	Pondy	312	0	6.6	6.6	0.0	35	
	Bihar	3390	200	70.3	69.2	-1.3	345	
	DVC	2517	0	58.3	-12.2	0.6	305	
ER	Jharkhand	1090	30	23.6	12.2	-0.5	98	
LIN	Odisha	3592	0	69.4	18.3	1.8	385	
	West Bengal	7542	0	156.3	55.1	3.1	415	
	Sikkim	77	0	1.2	0.8	0.3	20	
	Arunachal Pradesh	99	1	1.9	1.8	0.1	35	
	Assam	1285	194	24.3	16.7	2.8	184	
	Manipur	128	2	2.0	2.0	0.0	30	
NER	Meghalaya	274	1	5.0	1.1	-0.1	67	
	Mizoram	73	2	1.1	1.2	-0.2	15	
	Nagaland	97	2	1.7	1.6	0.0	17	
	Tripura	224	2	3.3	2.0	0.0	25	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	21.6	-3.1	-11.0
Max MW		-148.0	-464.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	182.0	-196.8	62.5	-46.8	0.9	1.8
Actual(MU)	186.9	-207.4	61.8	-40.8	3.4	3.9
O/D/U/D(MU)	4.9	-10.6	-0.7	6.0	2.5	2.1

### F. Generation Outage(MW)

3 . ,	NR	WR	SR	ER	NER	Total
Central Sector	4126	8908	3420	2225	408	19087
State Sector	6130	11151	3822	5339	110	26552
Total	10256	20059	7242	7564	517	45639

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

		INTER-REC	2011111		.,020	Date of R	Reporting:	10-Oct
						Import=(-	+ve) /Export	=(-ve)
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	1			
1		GAYA-FATEHPUR	S/C	51	-259	0.0	-3.0	-3.0
	765KV	GAYA-BALIA	S/C	0	0	0.0	-2.0	-2.0
2		SASARAM-FATEHPUR	S/C	0	0	1.0	0.0	1.0
3	HVDC LINK	PUSAULI B/B	S/C	0	0	0	-7	-7
4		PUSAULI-SARNATH	S/C	0	-195	0	0	0
5		PUSAULI -ALLAHABAD	D/C	0	-140	0	0	0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	0	-491	0	-6	-6
7	40012.1	PATNA-BALIA	Q/C	0	-172	0	-5	-5
8		BIHARSHARIFF-BALIA	D/C	164	-140	0	-1	-1
		BARH-GORAKHPUR	D/C	0	0	0	-6	-6
10	220 KV	PUSAULI-SAHUPURI	S/C	0	-210	0.0	-3.0	-3.0
11	_	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
12	132 KV	GARWAH-RIHAND	S/C	36	0	1.0	0.0	1.0
13	_	KARMANASA-SAHUPURI KARMANASA-CHANDAULI	S/C S/C	0	-1 0	0.0	0.0	0.0
14	1	KARMANASA-CHANDAULI	3/C	U	ER-NR	2.0	-33.0	-31.0
port/I	Export of	ER (With WR)					1	
15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	-744	0	-10.2	-10.0	-10.2
16	, 55 A V	NEW RANCHI-DHARAMJAIGARH	S/C	0	248	0.0	0.0	3.5
17		ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	4.0	0.0	4.0
18	-	JHARSUGUDA-RAIGARH	S/C	0	0	7.0	0.0	7.0
19	400 KV	IBEUL-RAIGARH	S/C	0	0	7.0	0.0	7.0
20	-	STERLITE-RAIGARH	D/C	0	0	5.0	-5.9	-5.9
21		RANCHI-SIPAT	D/C	0	0	0.0	-0.1	-0.1
22	220 1/1/	BUDHIPADAR-RAIGARH	S/C	513	0	9.0	0.0	9.0
23	220 KV	BUDHIPADAR-KORBA	D/C	0	-186	0.0	-2.0	-2.0
			•	•	ER-WR	21.8	-18.0	12.3
port/I	Export of	ER (With SR)						
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	-688	0	-16.0	-16.0
25	LINK	TALCHER-KOLAR BIPOLE	D/C	0	-2450	0	-46.0	-46.0
26	400 KV	TALCHER-I/C		0	0	0	0	0
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0 ER-SR	0.0	- <b>62.0</b>	- <b>62.0</b>
nort/F	Export of	ER (With NER)			EK-SK	0.0	-02.0	-02.0
27	_	BINAGURI-BONGAIGAON	Q/C	166	-188	0	0	0
	400 KV							-2
28	400 KV 220 KV		D/C	0	-139	0	-2	-2
28		BIRPARA-SALAKATI	_ `	0	-139 ER-NER	0.0	-2 - <b>2.0</b>	-2.0
	220 KV		_ `	0				
	220 KV Export of	BIRPARA-SALAKATI	_ `	0				
port/I	Export of HVDC	BIRPARA-SALAKATI  NR (With NER)  BISWANATH CHARIALI-AGRA	_ `		ER-NER	0.0	-2.0	-2.0
port/I 29 port/I	Export of HVDC	BIRPARA-SALAKATI  NR (With NER)  BISWANATH CHARIALI-AGRA  WR (With NR)	D/C	0	ER-NER  0  NR-NER	0.0	-2.0 0 0.0	-2.0 0.0 <b>0.0</b>
aport/I 29 aport/I 30	Export of HVDC  Export of HVDC	BIRPARA-SALAKATI  NR (With NER)  BISWANATH CHARIALI-AGRA  WR (With NR)  V'CHAL B/B	D/C - D/C	0	0 NR-NER	0.0 0.0 0.0	-2.0 0 0.0	-2.0 0.0 0.0 -5.0
29 aport/I 30 31	Export of HVDC Export of HVDC T65 KV	BIRPARA-SALAKATI  NR (With NER)  BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA	D/C D/C D/C	0 0	0 NR-NER -250 -3414	0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9	-2.0 0.0 0.0 -5.0 -67.9
29 mport/F 30 31 32	Export of HVDC  Export of HVDC  765 KV	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	0 0 0 0	0 NR-NER -250 -3414 -1226	0.0 0.0 0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24	-2.0 0.0 0.0 -5.0 -67.9 -24
30 31 32 33	Export of HVDC  Export of HVDC  765 KV  400 KV	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  D/C  D/C  S/C	0 0 0 0 57	0 NR-NER -250 -3414 -1226 -161	0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3
nport/F 29 nport/F 30 31 32 33 34	Export of HVDC  Export of HVDC  765 KV  400 KV	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  D/C  S/C  S/C	0 0 0 0 57 68	0 NR-NER -250 -3414 -1226 -161 -236	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7
30 31 32 33 34 35	Export of HVDC  Export of HVDC  765 KV  400 KV	BIRPARA-SALAKATI  NR (With NER) BISWANATH CHARIALI-AGRA  WR (With NR) VCHAL B/B GWALIOR-AGRA PHAGI-GWALIOR ZERDA-KANKROLI ZERDA - BHINMAL VCHAL - RIHAND	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	0 0 0 0 57 68 0	0 NR-NER -250 -3414 -1226 -161 -236 0	0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7
30 31 32 33 34 35 36	Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV	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  D/C  S/C  S/C	0 0 0 0 57 68 0 36	0 NR-NER -250 -3414 -1226 -161 -236 0 -14	0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0
aport/F 29 30 31 32 33 34 35 36 37	Export of HVDC  Export of HVDC  765 KV  400 KV	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	D/C   D/C   D/C   D/C   D/C   S/C   S/C	0 0 0 0 57 68 0 36	0 NR-NER -250 -3414 -1226 -161 -236 0 -14 -50	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.0 -0.6	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6
30 31 32 33 34 35 36	Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV	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	0 0 0 0 57 68 0 36	0 NR-NER -250 -3414 -1226 -161 -236 0 -14 -50	0.0 0.0 0.0 0.0 0.0 0 0.0 0.0 0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0
aport/F 29 30 31 32 33 34 35 36 37 38	Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV	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	D/C   D/C   D/C   D/C   D/C   S/C   S/C	0 0 0 0 57 68 0 36 0	0 NR-NER -250 -3414 -1226 -161 -236 0 -14 -50	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0 0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.0 -0.6	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7
30 31 32 33 34 35 36 37 38 39	220 KV Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV	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	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	0 0 0 0 57 68 0 36 0 204	ER-NER  0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 -42	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -0.5	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5
30 31 32 33 34 35 36 37 38 39	220 KV Export of HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV	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	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	0 0 0 0 57 68 0 36 0 204	ER-NER  0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 -42 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -0.5  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0
29 sport/I 29 sport/I 30 sport/I 30 sport/I 32 sport/I 33 sport/I 33 sport/I 35 sport/I 36 sport/I 37 sport/I	220 KV  Export of HVDC  Export of HVDC  765 KV 765 KV 400 KV 400 KV 400 KV  132KV	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	D/C  D/C  D/C  D/C  D/C  S/C  S/C  S/C	0 0 0 57 68 0 36 0 204	ER-NER  0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 -42 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -0.5  0.0  -102.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0
30 31 32 33 34 35 36 37 38 39 40 41	Export of HVDC  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  220 KV  HVDC  HVDC  HVDC  HVDC	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	0 0 0 57 68 0 36 0 204	ER-NER  0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 -42 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -0.5  0.0  -102.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 3.7 -0.5 0.0 -97.9 -60.4
29  pport/I 30 31 32 33 34 35 36 37 38 39 40 41  pport/I 42 43	220 KV  Export of HVDC  Export of HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of	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 BARSUR-L.SILERU	D/C	0 0 0 57 68 0 36 0 204 0	0 NR-NER -250 -3414 -1226 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0 -67.9 -24 -1.3 -2.7 0.0 0.0 -0.6 0.0 -0.5 0.0 -102.0 -60.4	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5
29  pport/I 30 31 32 33 34 35 36 37 38 39 40  41  pport/I 42 43 44	Export of HVDC  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  220 KV  HVDC  HVDC  HVDC  HVDC	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 BARSUR-L-SILERU SOLAPUR-RAICHUR	D/C	0 0 0 0 57 68 0 36 0 204 0 0	0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -0.5  0.0  -102.0  -60.4	-2.0 0.0 0.0 -5.0 -67.9 -2.4 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0
29  aport/I 29  aport/I 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK  765 KV	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  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     D/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     D/C     D/C	0 0 0 0 57 68 0 36 0 204 0 0	0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 WR-NR -2519 -1000 0 -1416 -218	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  -0.6  0.0  -0.5  0.0  -102.0  -60.4	-2.0 0.0 0.0 -5.0 -67.9 -2.4 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0
29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK	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  BARSUR-L-SILERU  SOLAPUR-RAICHUR  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C     D/C     D/C     D/C     D/C     D/C     S/C     S/C	0 0 0 0 57 68 0 204 0 0	0 NR-NER  -250 -3414 -1226 0 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519 -1000 0 -1416 -218 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -102.0  -60.4  -23.7  0.0  -19.7  -4.4  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0
29  aport/I 29  aport/I 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK  765 KV	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  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     D/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     S/C     D/C     D/C	0 0 0 0 57 68 0 36 0 204 0 0	ER-NER  0 NR-NER  -250 -3414 -1226 -161 -236 0 -14 -50 0 WR-NR -2519  -1000 0 -1416 -218 0 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  -0.6  0.0  -0.5  0.0  -102.0  -60.4  -23.7  0.0  -19.7  -4.4  0.0  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0 0.1 1.8
29  port/I 29  30 31 32 33 34 35 36 37 38 39 40  41  port/I 43 44 45 46	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK  765 KV	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 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	0 0 0 0 57 68 0 204 0 0 0	0 NR-NER  -250 -3414 -1226 0 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519  -1000 0 -1416 -218 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  0.0  -0.6  0.0  -102.0  -60.4  -23.7  0.0  -19.7  -4.4  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0 0.0 -19.7
pport/II 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK  765 KV	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 MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR  APL -MHG WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR KOLHAPUR-CHIKODI PONDA-AMBEWADI  TRANSNA'	D/C	0 0 0 0 57 68 0 204 0 0 0	0 NR-NER  -250 -3414 -1226 0 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519  -1000 0 -1416 -218 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  -0.6  0.0  -0.5  0.0  -102.0  -60.4  -23.7  0.0  -19.7  -4.4  0.0  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0 1.8 -46.0
port/II 29 port/II 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 43 44 45	220 KV  Export of HVDC  Export of HVDC  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of HVDC  LINK  765 KV	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 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	0 0 0 0 57 68 0 204 0 0 0	0 NR-NER  -250 -3414 -1226 0 -161 -236 0 -14 -50 0 -42 0 WR-NR -2519  -1000 0 -1416 -218 0 0 WR-SR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-2.0  0 0.0  -5.0  -67.9  -24  -1.3  -2.7  0.0  -0.6  0.0  -0.5  0.0  -102.0  -60.4  -23.7  0.0  -19.7  -4.4  0.0  0.0	-2.0 0.0 0.0 -5.0 -67.9 -24 -1.3 -2.7 0.0 0.3 -0.6 3.7 -0.5 0.0 -97.9 -60.4 -23.7 0.0 0.0 -61.4 -6.4 -6.4 -6.5 -6.4 -6.5 -6.5 -6.0 -6.4 -6.5