

# **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: 13<sup>th</sup> Jan, 2016

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 12.01.2016.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 12th Jan 2016 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 12<sup>th</sup> Jan 2016, is available at the NLDC website.

http://posoco.in/attachments/article/94/13.01.16 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 13-Jan-16

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	40854	42867	34301	16659	2298	136980
Peak Shortage (MW)	1176	155	500	0	94	1925
Energy Met (MU)	861	989	790	336	39	3014
Hydro Gen(MU)	145	27	50	17	7	247
Wind Gen(MU)	6	7	22			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	0.01	4.44	4.46	66.66	28.89
SR GRID	0.00	0.00	0.01	4.44	4.46	66.66	28.89

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)	Schedule (MO)	OD(-) (MO)	OD (MW
	Punjab	5438	0	107.3	50.3	0.8	220
	Haryana	6572	0	118.6	73.6	-0.7	241
	Rajasthan	10531	0	224.9	75.2	1.6	323
	Delhi	3624	0	61.7	45.5	-0.6	204
NR	UP	10992	580	240.3	106.6	1.2	353
Uttarakhar HP	Uttarakhand	1904	0	36.1	24.8	1.1	154
		1421	0	26.2	21.9	0.5	131
	J&K	2099	525	42.6	35.9	0.3	139
	Chandigarh	213	0	3.7	3.6	0.3	16
	Chhattisgarh	3527	96	73.4	28.5	-0.6	250
	Gujarat	12986	0	280.1	70.1	-0.2	509
	MP	10734	0	216.9	126.1	-1.2	260
WR	Maharashtra	18388	14	381.2	95.4	5.1	657
VVIN	Goa	424	0	8.1	8.1	-0.5	148
	DD	298	0	6.5	6.4	0.1	111
	DNH	689	0	16.1	16.1	0.0	290
	Essar steel	398	0	6.8	6.1	0.7	176
	Andhra Pradesh	6700	0	135.7	15.9	-3.4	637
	Telangana	6179	0	129.4	87.1	0.8	278
SR	Karnataka	8669	800	182.5	42.2	1.1	538
Jit	Kerala	3435	0	62.6	44.3	2.7	284
	Tamil Nadu	13233	0	274.0	119.6	3.2	514
	Pondy	307	0	5.9	6.6	-0.6	17
	Bihar	3546	0	65.7	64.2	-0.8	165
	DVC	2326	0	59.3	-15.6	2.0	185
ER	Jharkhand	1030	0	23.3	10.7	0.0	110
Liv	Odisha	3545	0	59.2	17.7	-0.6	284
	West Bengal	6545	0	125.8	29.4	0.7	190
	Sikkim	93	0	2.2	1.4	0.8	21
	Arunachal Pradesh	107	2	2.0	1.5	0.5	35
	Assam	1286	50	22.0	15.4	1.8	130
	Manipur	152	5	2.4	2.3	0.2	38
NER	Meghalaya	364	1	5.6	5.2	-1.1	57
	Mizoram	84	2	1.5	1.1	0.4	37
	Nagaland	114	2	2.1	1.7	0.3	35
	Tripura	215	1	3.0	-1.0	0.5	39

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.6	-4.8	-9.1
Max MW		-233.4	-465.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	189.0	-192,2	50.3	-53.4	7.4	1.1
Actual(MU)	175.7	-196.5	68.2	-50.0	9.3	6.7
O/D/U/D(MU)	-13.3	-4.3	17.9	3.4	1.9	5.5

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4555	9192	1720	1400	498	17365
State Sector	11835	12930	5317	5029	110	35221
Total	16390	22122	7037	6429	608	52586

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

		<u>INTER-RE</u>	GIUNAI	L EXCH	ANGES	Date of R	eporting:	13-Jan-
								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)	0.10			0.0		1
1		GAYA-FATEHPUR	S/C	36 0	414 0	0.0 2.0	0.0	-4.2
2	765KV	SASARAM-FATEHPUR	S/C S/C	0	0	0.0	5.2	2.0 -5.2
	HVDC	GAYA-BALIA						
3	LINK	PUSAULI B/B	S/C	0	0	0.0	8.7	-8.7
4	_	PUSAULI-SARNATH	S/C	0	277	0.0	0.0	0.0
5	4	PUSAULI -ALLAHABAD	D/C	0	160	0.0	0.0	0.0
6 7	400 KV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	D/C Q/C	704 0	0 366	8.1 0.0	0.0 15.4	8.1 -15.4
8	-	BIHARSHARIFF-BALIA	D/C	349	0	2.6	0.0	2.6
	-	BARH-GORAKHPUR	D/C	0	0	0.0	14.3	-14.3
10	220 KV		S/C	0	0	0.0	0.0	0.0
11		SONE NAGAR-RIHAND	S/C	0	1	0.0	0.0	0.0
12	132 KV	GARWAH-RIHAND	S/C	33	0	0.5	0.0	0.5
13	132 K V	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	<u> </u>	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
		ED (Wild. HID)			ER-NR	13.2	47.8	-34.6
_	export of	ER (With WR)	D/C	1 0	0	0.0	100	160
15 16	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C D/C	0	0	0.0	16.9 0.0	-16.9 0.4
	<del>                                     </del>	NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH ( SEL LILO						
17		BYPASS)	S/C	0	0	0.8	0.0	0.8
18	400 KV	JHARSUGUDA-RAIGARH	S/C	0	0	2.7	0.0	2.7
19	400 K V	IBEUL-RAIGARH	S/C	0	0	2.0	0.0	2.0
20	_	STERLITE-RAIGARH	D/C	0	0	0.0	6.6	-6.6
21	1	RANCHI-SIPAT	D/C	416	58	5.2	0.0	5.2
22	220 KV	BUDHIPADAR-RAIGARH	S/C	47	149	0.1	0.8	-0.7
23		BUDHIPADAR-KORBA	D/C	104	105 ER-WR	0.8 12.0	0.3 24.6	0.6 -12.6
mport/F	Export of	ER (With SR)			ER-WK	12.0	24.0	-12.0
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	781	0	14.0	-14.0
25	LINK	TALCHER-KOLAR BIPOLE	D/C	29.7843	1176	0	10.4	-10.4
26	400 KV	TALCHER-I/C		0	1232	0	16.2573	-16.3
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0	0	0	0.0
					ER-SR	0.0	24.4	-24.4
		ER (With NER)	T					
27	1	BINAGURI-BONGAIGAON BIRPARA-SALAKATI	Q/C D/C	0	665	0	14 2	-14 -2
28	220 KV	BIRPARA-SALAKATI	D/C	U	142 ER-NER	0.0	15.7	-15.7
mport/E					DIC-11DIC	0.0	13.7	-13.7
	Export of	NR (With NER)						
<b>троги</b> г 29		NR (With NER) BISWANATH CHARIALI-AGRA	-	500	500	0	5	-5.3
		NR (With NER) BISWANATH CHARIALI-AGRA	-	500	500 NR-NER	0.0	5 <b>5.3</b>	-5.3 -5.3
29	HVDC	· · · · · · · · · · · · · · · · · · ·	-	500		0.0		
29	HVDC	BISWANATH CHARIALI-AGRA	- D/C	500		0.0		-5.3 -2.1
29 mport/E	HVDC Export of HVDC 765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA	D/C D/C	200	350 3572	0.0 0.5 0.0	5.3 2.7 73.0	-5.3 -2.1 -73.0
29 mport/E 30 31 32	Export of HVDC 765 KV 765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C	200	350 3572 604	0.0 0.5 0.0 0	2.7 73.0 25.1	-5.3 -2.1 -73.0 -25.1
29 mport/E 30 31 32 33	HVDC Export of HVDC 765 KV 765 KV 400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  V'CHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI	D/C D/C D/C S/C	200 0 0 138	350 3572 604 120	0.0 0.5 0.0 0 0	2.7 73.0 25.1 0.0	-5.3 -2.1 -73.0 -25.1 0.4
29 mport/F 30 31 32 33 34	HVDC  Export of HVDC  765 KV  765 KV  400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA -BHINMAL	D/C D/C D/C S/C S/C	200 0 0 138 92	350 3572 604 120 216	0.0 0.5 0.0 0 0.4 0.0	5.3 2.7 73.0 25.1 0.0 1.8	-5.3 -2.1 -73.0 -25.1 0.4 -1.8
29 mport/E 30 31 32 33 34 35	HVDC Export of HVDC 765 KV 765 KV 400 KV	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 S/C S/C S/C	200 0 0 138 92 0	350 3572 604 120 216 0	0.0 0.5 0.0 0 0.4 0.0 0.0	5.3 2.7 73.0 25.1 0.0 1.8 0.0	-5.3 -2.1 -73.0 -25.1 0.4 -1.8 0.0
29 mport/F 30 31 32 33 34 35 36	HVDC  Export of HVDC  765 KV  765 KV  400 KV  400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA -BHINMAL  VCHAL -RIHAND  BADOD-KOTA	D/C D/C D/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34	350 3572 604 120 216 0 22	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3	5.3 2.7 73.0 25.1 0.0 1.8 0.0 0.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3
29 mport/F 30 31 32 33 34 35 36 37	HVDC  Export of HVDC  765 KV  765 KV  400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-RIHAND  BADOD-KOTA  BADOD-MORAK	D/C D/C D/C S/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34 3	350 3572 604 120 216 0 22 48	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3 0.0	5.3 2.7 73.0 25.1 0.0 1.8 0.0 0.0 0.6	-5.3 -2.1 -73.0 -25.1 0.4 -1.8 0.0 0.3 -0.6
29 mport/F 30 31 32 33 34 35 36	HVDC  Export of HVDC  765 KV  765 KV  400 KV  400 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA -BHINMAL  VCHAL -RIHAND  BADOD-KOTA	D/C D/C D/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34	350 3572 604 120 216 0 22 48	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3 0.0	5.3 2.7 73.0 25.1 0.0 1.8 0.0 0.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6
29 mport/F 30 31 32 33 34 35 36 37 38	HVDC  Export of HVDC  765 KV 765 KV 400 KV 400 KV 400 KV	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 S/C S/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34 3 44	350 3572 604 120 216 0 22 48	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3 0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0	-5.3 -2.1 -73.0 -25.1 0.4 -1.8 0.0 0.3 -0.6
29 mport/F 30 31 32 33 34 35 36 37 38 39	HVDC  Export of HVDC  765 KV 765 KV 400 KV 400 KV 400 KV	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	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34 3 44 0	350 3572 604 120 216 0 22 48 0	0.5 0.0 0 0.4 0.0 0.0 0.0 0.0 0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.0 0.6 0.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3
29  mport/F 30 31 32 33 34 35 36 37 38 39 40	HVDC  Export of 'HVDC  765 KV  765 KV  400 KV  400 KV  400 KV  220 KV  HVDC	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	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C	200 0 0 138 92 0 34 3 44 0	350 3572 604 120 216 0 22 48 0 31	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3 0.0 0.6 0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.0 0.6 0.0 0.3	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0
29 mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F	HVDC  Export of 1 HVDC  765 KV 400 KV 400 KV 400 KV  132KV  HVDC  Export of 1	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	200 0 0 138 92 0 34 3 44 0 0	NR-NER  350 3572 604 120 216 0 22 48 0 31 0 WR-NR 2518	0.0 0.5 0.0 0 0.4 0.0 0.3 0.0 0.6 0.0 0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4	-5.3  -2.1  -73.0  -25.1  -0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0  -101.5
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42	HVDC  Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV  HVDC  HVDC  HVDC  HVDC	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	D/C	200 0 0 138 92 0 34 3 44 0 0	NR-NER  350 3572 604 120 216 0 222 48 0 31 0 WR-NR 2518	0.0  0.5  0.0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4  52	-5.3  -2.1  -73.0  -25.1  -0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  -0.0  -101.5  -52.0
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43	HVDC  Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV  HVDC Export of 1 HVDC LINK	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   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0	350 3572 604 120 216 0 222 48 0 31 0 WR-NR 2518	0.0  0.5  0.0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  0.0  0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4  52  20.5  0.0	-5.3  -2.1  -73.0  -25.1  -0.4  -1.8  -0.0  -0.3  -0.6  -0.6  -0.3  -0.0  -101.5  -52.0
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42	HVDC  Export of 'HVDC  765 KV  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of 'HVDC  LINK  765 KV	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	D/C	200 0 0 138 92 0 34 3 44 0 0	350 3572 604 120 216 0 222 48 0 31 0 WR-NR 2518	0.0  0.5  0.0  0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  1.9  0.0  0.0  0.0  0.0  0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.6 0.0 0.3 0.0 103.4 52 20.5 0.0 30.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0  -101.5  -52.0
29 mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43 44	HVDC  Export of 'HVDC  765 KV  765 KV  400 KV  400 KV  400 KV  132KV  HVDC  Export of 'HVDC  LINK  765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA  PHAGI-GWALIOR  ZERDA-KANKROLI  ZERDA-BHINMAL  VCHAL-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-KUDGI	D/C   D/C   D/C   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0 0	350 3572 604 120 216 0 22 48 0 31 0 WR-NR 2518	0.0  0.5  0.0  0  0.4  0.0  0.0  0.3  0.0  0.6  0.0  1.9  0  0.0  0.0  0.0  0.0  0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.6 0.0 0.3 0.0 103.4 52 20.5 0.0 30.0 0.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0  -101.5  -52.0  -20.5  0.0  -30.0  0.3
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43	HVDC  Export of 1 HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of 1 HVDC  LINK  765 KV  400 KV	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	D/C	200 0 0 138 92 0 34 3 44 0 0	350 3572 604 120 216 0 222 48 0 31 0 WR-NR 2518	0.0  0.5  0.0  0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  1.9  0.0  0.0  0.0  0.0  0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.6 0.0 0.3 0.0 103.4 52 20.5 0.0 30.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0  -101.5  -52.0  -20.5  0.0  -30.0
29 mport/F 30 31 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43 44 45	HVDC  Export of 1 HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of 1 HVDC  LINK  765 KV  400 KV	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-KUDGI  KOLHAPUR-CHIKODI	D/C   D/C   D/C   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0 0	350 3572 604 120 216 0 22 48 0 31 0 WR-NR 2518 1000 0 1828 0 209	0.0  0.5  0.0  0  0.4  0.0  0.0  0.3  0.0  0.6  0.0  1.9  0  0.0  0.0  0.0  0.0  0.0	2.7 73.0 25.1 0.0 1.8 0.0 0.6 0.0 0.3 0.0 103.4 52 20.5 0.0 30.0 0.0 4.3	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  -0.3  0.0  -101.5  -52.0  -20.5  0.0  -30.0  0.3  -4.3
29  mport/F 30 31 31 32 33 34 35 36 37 38 40 41 41 42 43 44 45	HVDC  Export of 1 HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of 1 HVDC  LINK  765 KV  400 KV	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-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C   D/C   D/C   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0 0	NR-NER  350 3572 604 120 216 0 22 48 0 31 0 WR-NR 2518  1000 0 1828 0 209	0.0 0.5 0.0 0 0.4 0.0 0.0 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4  52  20.5  0.0  30.0  4.3  0.0	-5.3  -2.1  -73.0  -2.5.1  -0.4  -1.8  -0.0  0.3  -0.6  0.6  -0.3  -0.0  -101.5  -52.0  -20.5  -0.0  -30.0  -30.0  -4.3  -0.0
29  mport/F 30 31 31 32 33 34 35 36 37 38 40 41 41 42 43 44 45	HVDC  Export of 1 HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of 1 HVDC  LINK  765 KV  400 KV	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-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C   D/C   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0 0 0 0 0 198 0 100	NR-NER  350 3572 604 120 216 0 22 48 0 0 31 0 WR-NR 2518 1000 0 1828 0 209 0 0 WR-SR	0.0  0.5  0.0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  1.9  0.0  0.0  0.0  0.0  0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4  52  20.5  0.0  30.0  4.3  0.0  0.0	-5.3  -2.1  -73.0  -25.1  -0.4  -1.8  -0.0  0.3  -0.6  0.6  -0.3  -0.0  -101.5  -52.0  -20.5  -0.0  -30.0  -30.0  -4.3  -0.0  2.0
29  mport/F 30 31 31 32 33 34 35 36 37 38 40 41 41 42 43 44 45	HVDC  Export of 1 HVDC  765 KV  765 KV  400 KV  400 KV  220 KV  132KV  HVDC  Export of 1 HVDC  LINK  765 KV  400 KV	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   S/C   S/C	200 0 0 138 92 0 34 3 44 0 0 0 0 0 0 198 0 100	NR-NER  350 3572 604 120 216 0 22 48 0 0 31 0 WR-NR 2518 1000 0 1828 0 209 0 0 WR-SR	0.0  0.5  0.0  0.4  0.0  0.3  0.0  0.6  0.0  0.0  1.9  0.0  0.0  0.0  0.0  0.0	5.3  2.7  73.0  25.1  0.0  1.8  0.0  0.6  0.0  0.3  0.0  103.4  52  20.5  0.0  30.0  4.3  0.0  0.0	-5.3  -2.1  -73.0  -25.1  0.4  -1.8  0.0  0.3  -0.6  0.6  0.6  -0.3  0.0  -101.5  -52.0  -20.5  0.0  -30.0  -30.0  -4.3  0.0  2.0