

# **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: 02<sup>nd</sup> Feb, 2016

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 01.02.2016.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 01st Feb 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 01st Feb 2016, is available at the NLDC website.

http://posoco.in/attachments/article/94/02.02.16 NLDC PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 2-Feb-16

#### A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	38215	41791	34702	16991	2304	134003
Peak Shortage (MW)	1346	122	400	50	96	2014
Energy Met (MU)	833	981	803	326	39	2982
Hydro Gen(MU)	103	31	55	16	5	209
Wind Gen(MU)	5	16	17			37

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	0.00	1.46	1.46	57.75	40.79
SR GRID	0.00	0.00	0.00	1.46	1.46	57.75	40.79

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)		` '	***	`
	Punjab	4954	0	93.6	44.7	0.1	253
	Haryana	6370	0	117.0	69.6	-0.6	190
	Rajasthan	10117	0	218.7	69.1	3.0	319
	Delhi	3555	0	62.4	48.1	-1.3	265
NR	UP	10552	1980	233.9	92.4	2.4	380
Uttarakhand HP	1858	0	34.2	25.4	-0.4	64	
		1428	0	25.5	22.0	0.3	153
	J&K	2031	508	44.1	39.2	-0.3	82
	Chandigarh	220	0	3.7	3.7	0.3	21
	Chhattisgarh	3343	96	76.2	28.0	0.4	375
	Gujarat	12777	0	277.3	54.6	1.1	478
	MP	10081	0	201.9	115.4	-0.3	347
WR	Maharashtra	18505	7	387.9	95.2	-0.1	454
VVIN	Goa	441	0	9.1	7.7	0.8	68
	DD	278	0	6.3	6.2	0.1	25
	DNH	685	0	15.9	15.9	0.0	79
	Essar steel	335	0	6.8	7.4	-0.6	88
	Andhra Pradesh	6705	0	135.3	20.7	-5.2	583
	Telangana	6142	0	134.4	76.4	1.2	284
SR	Karnataka	9054	500	191.8	44.6	2.9	478
Jit	Kerala	3407	0	61.8	46.4	1.1	94
	Tamil Nadu	12963	0	273.5	137.7	3.7	475
	Pondy	286	0	5.7	6.0	-0.3	37
	Bihar	3293	0	64.4	62.1	0.1	265
	DVC	2619	0	56.8	-12.4	2.1	212
ER	Jharkhand	934	-50	20.8	11.9	-0.7	167
	Odisha	3911	0	68.7	20.2	-0.1	285
	West Bengal	6460	0	114.3	29.2	-4.0	255
	Sikkim	102	0	1.3	1.5	-0.2	20
	Arunachal Pradesh	111	3	1.9	1.4	0.6	42
	Assam	1332	30	22.5	15.1	2.8	212
	Manipur	151	3	2.3	2.4	-0.1	28
NER	Meghalaya	340	2	5.4	4.8	-0.3	37
	Mizoram	92	2	1.4	1.0	0.3	42
	Nagaland	107	3	2.1	1.5	0.5	37
	Tripura	215	2	3.2	-1.2	1.0	75

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-4.8	-9.0
Max MW		-223.4	-418.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	175.1	-198.7	66.9	-50.9	8.0	0.4
Actual(MU)	173.2	-204.0	67.7	-68.5	12.5	-19.1
O/D/U/D(MU)	-1.9	-5.3	0.8	-17.6	4.5	-19.5

#### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3484	10682	920	1760	398	17244
State Sector	9925	12023	4048	5969	110	32075
Total	13409	22705	4968	7729	508	49319

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>	JUNAI	LEACH	ANGES	Date of R	eporting :		
								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)	
mport/F		ER (With NR)		(14144)	(14144)		(MC)	(MC)	
1		GAYA-FATEHPUR	S/C	0	276	0.0	3.0	-3.0	
	765KV	SASARAM-FATEHPUR	S/C	0	36	3.0	0.0	3.0	
2		GAYA-BALIA	S/C	44	184	0.0	3.0	-3.0	
3	HVDC LINK	PUSAULI B/B	S/C	361	367	0.0	9.0	-9.0	
4		PUSAULI-SARNATH	S/C	184	244	0.0	0.0	0.0	
5	1	PUSAULI -ALLAHABAD	D/C	116	172	0.0	0.0	0.0	
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	0	0	9.0	0.0	9.0	
7	4	PATNA-BALIA	Q/C	189	824	0.0	15.0	-15.0	
8	-	BIHARSHARIFF-BALIA	D/C D/C	0	0	4.0 0.0	0.0 12.0	4.0 -12.0	
10	220 KV	BARH-GORAKHPUR PUSAULI-SAHUPURI	S/C	61	172	0.0	3.0	-3.0	
11	220 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
12	1	GARWAH-RIHAND	S/C	0	0	1.0	0.0	1.0	
13	132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
14	<u>l</u>	KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
					ER-NR	17.0	45.0	-28.0	
_	Export of	ER (With WR)		_				_	
15 16	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C D/C	0	669 148	0.0	9.0	-9.0 0.0	
	+	NEW RANCHI-DHARAMJAIGARH ROURKELA - RAIGARH ( SEL LILO							
17	1	BYPASS)	S/C	0	0	3.0	0.0	3.0	
18	400 KV	JHARSUGUDA-RAIGARH	S/C	0	0	4.0	0.0	4.0	
19	- 400 11 1	IBEUL-RAIGARH	S/C	0	0	0.0	0.0	0.0	
20	_	STERLITE-RAIGARH	D/C D/C	17 0	333	0.0 4.0	5.0	-5.0 4.0	
22	+	RANCHI-SIPAT BUDHIPADAR-RAIGARH	S/C	0	61	0.0	0.0	0.0	
23	220 KV	BUDHIPADAR-KORBA	D/C	0	0	2.0	0.0	2.0	
					ER-WR	13.0	14.0	-1.0	
mport/I	Export of	ER (With SR)						•	
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	252	361	0	17.0	-17.0	
25	LINK	TALCHER-KOLAR BIPOLE	D/C	1343	1977	0	42.0	-42.0	
26	400 KV	TALCHER-I/C	0.0	0	925	0	14	-14.0	
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0 ER-SR	0.0	0 <b>59.0</b>	0.0 - <b>59.0</b>	
mport/I	Export of	ER (With NER)			LI SI	0.0	37.0	-37.0	
27	400 KV	BINAGURI-BONGAIGAON	Q/C	4	856	0	11	-11	
28	220 KV	BIRPARA-SALAKATI	D/C	0	0	0	2	-2	
					ER-NER	0.0	13.0	-13.0	
nport/F	Export of	NR (With NER)							
•		· ·							
29	HVDC	BISWANATH CHARIALI-AGRA	_	0	500	0	1	-0.9	
29		BISWANATH CHARIALI-AGRA	-	0	500 NR-NER	0.0	0.9	-0.9 - <b>0.9</b>	
29 nport/I	Export of	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C	1	NR-NER	0.0	0.9	-0.9	
29	Export of HVDC	BISWANATH CHARIALI-AGRA	D/C D/C	400				1	
29 <b>nport/I</b> 30	Export of HVDC 765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B		400	NR-NER	3.0	<b>0.9</b> 7.0	<b>-0.9</b> -4.0	
29 mport/F 30 31	Export of HVDC 765 KV	BISWANATH CHARIALI-AGRA  WR (With NR)  VCHAL B/B  GWALIOR-AGRA	D/C	400	500 3076	3.0 0.0	7.0 62.0	-4.0 -62.0	
29 mport/F 30 31 32 33 34	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  ZERDA -BHINMAL	D/C D/C S/C S/C	400 0 0 193 160	500 3076 1231 53 184	3.0 0.0 0 1.0 0.0	7.0 62.0 24.4 0.0 1.0	-4.0 -62.0 -24.4 1.0 -1.0	
29 mport/F 30 31 32 33 34 35	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  ZERDA -BHINMAL  V'CHAL -RIHAND	D/C D/C S/C S/C S/C	400 0 0 193 160	500 3076 1231 53 184 0	3.0 0.0 0 1.0 0.0	7.0 62.0 24.4 0.0 1.0	-4.0 -62.0 -24.4 1.0 -1.0	
29 mport/F 30 31 32 33 34 35 36	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	D/C D/C S/C S/C S/C S/C	400 0 0 193 160 0 33	500 3076 1231 53 184 0 24	3.0 0.0 0 1.0 0.0 0.0 0.0	7.0 62.0 24.4 0.0 1.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  0.0	
29 mport/F 30 31 32 33 34 35 36 37	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 S/C S/C S/C S/C S/C S/C	400 0 0 193 160 0 33 4	500 3076 1231 53 184 0 24 60	3.0 0.0 0 1.0 0.0 0.0 0.0 0.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0	-4.0 -62.0 -24.4 1.0 -1.0 0.0 0.0	
29 mport/F 30 31 32 33 34 35 36 37 38	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  BADOD-MORAK  MEHGAON-AURAIYA	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C	400 0 0 193 160 0 33 4 80	500 3076 1231 53 184 0 24 60	3.0 0.0 0 1.0 0.0 0.0 0.0 0.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0 1.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  0.0  1.0	
29 mport/F 30 31 32 33 34 35 36 37	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  BADOD-MORAK	D/C D/C S/C S/C S/C S/C S/C S/C	400 0 0 193 160 0 33 4	500 3076 1231 53 184 0 24 60	3.0 0.0 0 1.0 0.0 0.0 0.0 0.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0	-4.0 -62.0 -24.4 1.0 -1.0 0.0 0.0	
29 mport/F 30 31 32 33 34 35 36 37 38 39	Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 420 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39	NR-NER  500 3076 1231 53 184 0 24 60 0	3.0 0.0 0 1.0 0.0 0.0 0.0 0.0 1.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0 1.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  0.0  1.0  1.0	
29  nport/F 30 31 32 33 34 35 36 37 38 39 40	Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV	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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39	500 3076 1231 53 184 0 24 60 0 0	3.0 0.0 0 1.0 0.0 0.0 0.0 0.0 1.0 1.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0 1.0 0.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  1.0  1.0  0.0	
29  nport/F 30 31 32 33 34 35 36 37 38 39 40 41 nport/F	Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of	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)	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 0 WR-NR 2519	0.0 3.0 0.0 0 1.0 0.0 0.0 0.0 0.0 0.0 1.0 1.0	7.0 62.0 24.4 0.0 1.0 0.0 0.0 1.0 0.0 0.0 0.0 95.4 57	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  0.0  -57.0	
29  nport/F 30 31 32 33 34 35 36 37 38 39 40 41 nport/F 42	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of 1 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 0 WR-NR 2519	0.0 3.0 0.0 0 1.0 0.0 0.0 0.0 0.0 1.0 1.0 0.0 6.0 0	7.0 62.0 24.4 0.0 1.0 0.0 1.0 0.0 0.0 0.0 95.4 57	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  -57.0	
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43	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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 WR-NR 2519	0.0 3.0 0.0 0 1.0 0.0 0.0 0.0 0.0 1.0 0.0 0.0	7.0 62.0 24.4 0.0 1.0 0.0 1.0 0.0 0.0 0.0 0.0 95.4 57	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  -57.0	
29  nport/F 30 31 32 33 34 35 36 37 38 39 40 41 nport/F 42	Export of ' HVDC 765 KV 765 KV 400 KV 400 KV 400 KV - 220 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 D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 WR-NR 2519	0.0  3.0  0.0  1.0  0.0  0.0  0.0  1.0  1	7.0 62.0 24.4 0.0 1.0 0.0 0.0 0.0 0.0 0.0 95.4 57	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  0.0  -1.0  1.0  -1.0  -24.0  -24.0  0.0  -30.0	
29  mport/I 30 31 32 33 34 35 36 37 38 39 40 41 mport/I 42 43 44	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  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 0 WR-NR 2519  1000 0 1913	0.0  3.0  0.0  1.0  0.0  0.0  0.0  1.0  1	7.0 62.0 24.4 0.0 1.0 0.0 0.0 0.0 0.0 95.4 57 24.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  -57.0	
29  mport/F 30 31 32 33 34 35 36 37 38 39 40 41 mport/F 42 43	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK 765 KV 400 KV	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-LSILERU  SOLAPUR-RAICHUR  KOLHAPUR-KUDGI  KOLHAPUR-CHIKODI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0	NR-NER  500 3076 1231 53 184 0 24 60 0 0 WR-NR 2519  1000 0 1913 0 208	0.0  3.0  0.0  1.0  0.0  0.0  0.0  1.0  1	7.0 62.0 24.4 0.0 1.0 0.0 0.0 0.0 0.0 0.0 95.4 57 24.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  1.0  1.0  1.0  -1.0  0.0  -24.4  -57.0  -24.0  0.0  -30.0  -4.0	
29 30 31 32 33 34 35 36 37 38 39 40 41 41 41 45	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of 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	D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0 0 0 0 0 0 0 0 0 0 0 0 0	NR-NER  500 3076 1231 53 184 0 24 60 0 0 WR-NR 2519  1000 0 1913	0.0  3.0  0.0  1.0  0.0  0.0  0.0  1.0  1	7.0 62.0 24.4 0.0 1.0 0.0 0.0 0.0 0.0 95.4 57 24.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  -57.0  -24.0  0.0  -30.0  0.0	
29  29  30 31 32 33 34 35 36 37 38 39 40  41 41 42 42 43 44 45	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK 765 KV 400 KV	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-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	400 0 0 193 160 0 33 4 80 39 0 0 0 0 0 0 0 0 0 0 0 0 0	NR-NER  500 3076 1231 184 0 24 60 0 0 WR-NR 2519  1000 0 1913 0 208	0.0 3.0 0.0 0.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0 0	0.9  7.0 62.0 24.4 0.0 0.0 1.0 0.0 0.0 1.0 0.0 95.4 57  24.0 0.0 30.0 4.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  1.0  0.0  -89.4  -57.0  -24.0  0.0  -30.0  0.0  -4.0  0.0	
29  port/F 30 31 32 33 34 35 36 37 38 39 40 41 41 41 42 42 43 44 44	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK 765 KV 400 KV	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-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI  XELDEM-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 0 0 0 0 102	NR-NER  500 3076 1231 184 0 24 60 0 0 WR-NR 2519  1000 0 1913 0 208 0 0 WR-SR	0.0 3.0 0.0 0.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0 0	7.0 62.0 24.4 0.0 0.0 1.0 0.0 0.0 0.0 95.4 57 24.0 0.0 30.0 4.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  0.0  -89.4  -57.0  -24.0  0.0  -30.0  0.0  -4.0  0.0  1.0	
29  29  30 31 32 33 34 35 36 37 38 39 40  41 41 42 42 43 44 45	Export of 1 HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of HVDC LINK 765 KV 400 KV	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-KUDGI  KOLHAPUR-CHIKODI  PONDA-AMBEWADI	D/C D/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 0 0 0 0 0 0 0 102	NR-NER  500 3076 1231 184 0 24 60 0 0 WR-NR 2519  1000 0 1913 0 208 0 0 WR-SR	0.0 3.0 0.0 0.0 1.0 0.0 0.0 0.0 1.0 0.0 0.0 0	7.0 62.0 24.4 0.0 0.0 1.0 0.0 0.0 0.0 95.4 57 24.0 0.0 30.0 4.0 0.0	-0.9  -4.0  -62.0  -24.4  1.0  -1.0  0.0  -1.0  1.0  0.0  -89.4  -57.0  -24.0  0.0  -30.0  0.0  -4.0  0.0  1.0	