

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: 17th Jan. 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 16.01.2016.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स. - 5.5.1 के प्रावधान के अन्सार, दिनांक 16th 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 16th Jan 2016, is available at the NLDC website.

http://posoco.in/attachments/article/94/17.01.16_NLDC_PSP.pdf

Thanking You.

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

Report for previous day Date of Reporting 17-Jan-16

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW)	38215	40834	30161	15785	2299	127294
Peak Shortage (MW)	6978	225	400	0	70	7673
Energy Met (MU)	804	956	704	335	38	2837
Hydro Gen(MU)	109	24	49	13	8	202
Wind Gen(MU)	5	22	10			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	2.87	20.93	23.80	62.36	13.84
SR GRID	0.00	0.00	2.87	20.93	23.80	62.36	13.84

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)	OD (MW
	Punjab	5372	0	100.6	40.7	0.6	285
	Haryana	6214	271	119.3	64.9	0.5	289
	Rajasthan	8704	0	174.9	66.6	4.0	593
	Delhi	3667	6	63.6	51.8	-3.4	134
NR	UP	10889	1585	238.6	97.2	1.0	254
	Uttarakhand	1884	75	33.4	20.4	3.0	287
	HP	1418	0	25.7	20.6	1.2	245
	J&K	1983	496	44.2	38.7	0.4	201
	Chandigarh	218	0	3.8	3.6	0.3	42
	Chhattisgarh	3342	96	72.7	31.4	-0.1	448
	Gujarat	12538	8	266.8	70.6	3.9	444
	MP	9995	0	202.7	123.4	-2.1	568
WR	Maharashtra	18345	36	376.0	83.1	-0.5	486
WIN	Goa	422	0	7.7	7.9	-0.8	13
	DD	289	0	6.5	6.3	0.2	28
	DNH	681	0	15.7	15.9	-0.2	45
	Essar steel	392	0	7.7	7.0	0.7	202
	Andhra Pradesh	6009	0	120.1	8.0	-1.9	200
	Telangana	5813	0	120.9	86.4	1.5	258
SR	Karnataka	8528	800	183.3	44.2	2.3	417
Sit	Kerala	3290	0	61.7	48.9	0.2	124
	Tamil Nadu	10600	0	213.4	91.1	3.4	367
	Pondy	215	0	4.6	4.8	-0.2	24
	Bihar	3546	0	65.5	62.9	0.2	318
	DVC	2340	0	59.3	-14.2	-1.5	205
ER	Jharkhand	960	0	23.2	10.8	0.0	36
LIN	Odisha	3762	0	67.2	17.7	2.9	302
	West Bengal	5801	0	117.8	30.1	-0.4	211
	Sikkim	102	0	1.6	1.5	0.1	31
	Arunachal Pradesh	108	4	1.9	1.5	0.4	35
	Assam	1294	7	21.7	15.4	2.0	157
	Manipur	159	3	2.6	2.5	0.2	35
NER	Meghalaya	361	6	5.5	4.9	-0.9	44
	Mizoram	95	3	1.5	1.2	0.3	38
	Nagaland	105	6	2.0	1.6	0.3	24
	Tripura	209	2	3.1	-0.1	-0.4	62

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.0	-4.6	-8.3
Max MW		-232.4	-469.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.3	-137.5	60.4	-47.7	8.2	0.7
Actual(MU)	122.3	-143.1	57.9	-49.0	9.1	-2.8
O/D/U/D(MU)	5.0	-5.6	-2.5	-1.2	0.9	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2344	10442	2470	600	363	16219
State Sector	10295	12114	6622	5789	110	34930
Total	12639	22556	9092	6389	473	51149

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>	0101111		11,025	Date of R	eporting :	17-Ja
								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
1		GAYA-FATEHPUR	S/C	75	158	0.0	1.0	-1.0
	765KV	SASARAM-FATEHPUR	S/C	0	0	6.0	0.0	6.0
2		GAYA-BALIA	S/C	0	0	0.0	3.0	-3.0
3	HVDC LINK	PUSAULI B/B	S/C	0	0	0.0	9.0	-9.0
4		PUSAULI-SARNATH	S/C	0	278	0.0	0.0	0.0
5		PUSAULI -ALLAHABAD	D/C	0	144	0.0	0.0	0.0
6	400 KV	MUZAFFARPUR-GORAKHPUR	D/C	868	0	15.0	0.0	15.0
7		PATNA-BALIA	Q/C	0	200	0.0	8.0	-8.0
8		BIHARSHARIFF-BALIA	D/C	376	0	5.0	0.0	5.0
10	220 1/3/	BARH-GORAKHPUR	D/C	0	0	0.0	9.0	-9.0
10	220 KV	PUSAULI-SAHUPURI	S/C S/C	0	115	0.0	3.0 0.0	-3.0 0.0
12	1	SONE NAGAR-RIHAND GARWAH-RIHAND	S/C	38	0	1.0	0.0	1.0
13	132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	1	KARMANASA-SAHUFUKI KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
	1	CAA II (DATOLIA			ER-NR	27.0	33.0	-6.0
Import/I	Export of	ER (With WR)						1
15	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	8.0	-8.0
16	/05 KV	NEW RANCHI-DHARAMJAIGARH	D/C	0	0	0.0	2.0	-2.0
17		ROURKELA - RAIGARH (SEL LILO	S/C	0	0	0.0	0.0	0.0
18		BYPASS) JHARSUGUDA-RAIGARH	S/C	0	0	2.0	0.0	2.0
19	400 KV	IBEUL-RAIGARH	S/C	0	0	1.0	0.0	1.0
20		STERLITE-RAIGARH	D/C	0	0	0.0	4.0	-4.0
21		RANCHI-SIPAT	D/C	315	0	3.0	0.0	3.0
22	220 1717	BUDHIPADAR-RAIGARH	S/C	31	148	0.0	1.0	-1.0
23	220 KV	BUDHIPADAR-KORBA	D/C	104	17	1.0	0.0	1.0
					ER-WR	7.0	15.0	-8.0
Import/I	Export of	ER (With SR)						
24	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0	623	0	15.0	-15.0
25	LINK	TALCHER-KOLAR BIPOLE	D/C	0	1971	0	38.0	-38.0
26	400 KV	TALCHER-I/C	<u> </u>	0	1271	0	25	-25.0
27	220 KV	BALIMELA-UPPER-SILERRU	S/C	0	0 ED CD	0	0	0.0
Imma	Zermanet - f	ED (WALNED)			ER-SR	0.0	53.0	-53.0
		ER (With NER)	0/0	Λ	100	n	22	-22
27		BINAGURI-BONGAIGAON BIRPARA-SALAKATI	Q/C D/C	0	488 129	0	22	-22
20	220 KV	DIM ANA-SALANATI	D/C	U	ER-NER	0.0	24.0	-24.0
Import/F	Export of					V.V	2	1 27.0
		NR (With NER)						
29	-	NR (With NER) BISWANATH CHARIALI-AGRA	-	500	0	12	0	11.7
29	-		-	500	0 NR-NER	12 11.7	0.0	11.7 11.7
	HVDC		-	500				1
	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)	- D/C	500				1
Import/F	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR)		ı	NR-NER	11.7	0.0 0.4 44.8	11.7
Import/I	HVDC Export of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) VCHAL B/B GWALIOR-AGRA	D/C	500	NR-NER 150	6.0	0.0	5.6
Import/F 30 31 32 33	Export of HVDC 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	500 0 0 299	150 3122 1486 0	6.0 0.0 0 4.7	0.4 44.8 23.5 0.0	5.6 -44.8 -23.5 4.7
Import/F 30 31 32 33 34	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 ZERDA -BHINMAL	D/C D/C D/C S/C S/C	500 0 0 299 268	150 3122 1486 0 105	6.0 0.0 0 4.7 2.8	0.0 0.4 44.8 23.5 0.0 0.0	5.6 -44.8 -23.5 4.7 2.8
30 31 32 33 34 35	Export of HVDC 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 D/C S/C S/C S/C S/C	500 0 0 299 268 0	150 3122 1486 0 105	6.0 0.0 0 4.7 2.8 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0	5.6 -44.8 -23.5 4.7 2.8 0.0
30 31 32 33 34 35 36	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 ZERDA -BHINMAL V'CHAL -RIHAND BADOD-KOTA	D/C D/C D/C S/C S/C S/C S/C S/C	500 0 0 299 268 0 148	150 3122 1486 0 105 0	6.0 0.0 0 4.7 2.8 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8
Import/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	500 0 0 299 268 0 148 87	150 3122 1486 0 105 0 0 26	6.0 0.0 0 4.7 2.8 0.0 1.8 0.8	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2	5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7
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 MEHGAON-AURAIYA	D/C D/C D/C S/C S/C S/C S/C S/C S/C	500 0 0 299 268 0 148 87 89	NR-NER 150 3122 1486 0 105 0 0 26 0	6.0 0.0 0 4.7 2.8 0.0 1.8 0.8	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6
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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	500 0 0 299 268 0 148 87 89 44	NR-NER 150 3122 1486 0 105 0 0 26 0 0	6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2 0.0 0.0	5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6
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 MEHGAON-AURAIYA	D/C D/C D/C S/C S/C S/C S/C S/C S/C	500 0 0 299 268 0 148 87 89	NR-NER 150 3122 1486 0 105 0 0 26 0 0	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0
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 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	D/C D/C D/C D/C S/C S/C	500 0 0 299 268 0 148 87 89 44	NR-NER 150 3122 1486 0 105 0 0 26 0 0 WR-NR	6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4
30 31 32 33 34 35 36 37 38 39 40 41	HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV 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 D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	500 0 0 299 268 0 148 87 89 44	NR-NER 150 3122 1486 0 105 0 0 26 0 0	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.2 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F	HVDC 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 D/C D/C S/C S/C	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 105 0 26 0 0 WR-NR	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42	HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV 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 D/C S/C S/C	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 0 0 0 26 0 0 WR-NR 2519	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.2 0.0 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F	HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of 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	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 105 0 0 26 0 WR-NR 2519	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0 0.0 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.2 0.0 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43	HVDC Export of HVDC 765 KV 765 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	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 0 0 0 26 0 0 WR-NR 2519	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.2 0.0 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43	HVDC Export of HVDC 765 KV 765 KV 400 KV 400 KV 400 KV 132KV HVDC Export of 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	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 105 0 0 26 0 WR-NR 2519	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7
Import/E 30 31 32 33 34 35 36 37 38 39 40 Import/E 42 43 44	HVDC Export of HVDC 765 KV 765 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	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 105 0 0 26 0 WR-NR 2519 1000 0 1670 0	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0.0 0.0 0.0 1.5	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7 -20.5 0.0 -28.4 1.5
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43 44	Export of 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-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	500 0 0 299 268 0 148 87 89 44 0	NR-NER 150 3122 1486 0 105 0 0 26 0 WR-NR 2519 1000 0 1670 0 200	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7 -20.5 0.0 -28.4 1.5 -4.4
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43 44 45 46	Export of 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	500 0 0 299 268 0 148 87 89 44 0 0	NR-NER 150 3122 1486 0 105 0 0 26 0 0 WR-NR 2519 1000 0 1670 0 200 0	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0.0 0.0 1.5 0.0 0.0	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.2 0.0 0.0 0.0 0.0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7 -20.5 0.0 -28.4 1.5 -4.4 0.0
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43 44 45 46	Export of 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-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	D/C D/C D/C S/C S/C	500 0 0 299 268 0 148 87 89 44 0 0 0 0 0 0 0 0	NR-NER 150 3122 1486 0 105 0 0 26 0 0 WR-NR 2519 1000 0 1670 0 200 0 WR-SR	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0.0 0.0 1.5 0.0 0.0 1.9	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7 -20.5 0.0 -28.4 1.5 -4.4 0.0 1.9
Import/F 30 31 32 33 34 35 36 37 38 39 40 41 Import/F 42 43 44 45 46	Export of 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	500 0 0 299 268 0 148 87 89 44 0 0 0 0 0 0 0 0	NR-NER 150 3122 1486 0 105 0 0 26 0 0 WR-NR 2519 1000 0 1670 0 200 0 WR-SR	11.7 6.0 0.0 0 4.7 2.8 0.0 1.8 0.8 1.6 0.7 0.0 18.4 0 0.0 0.0 1.5 0.0 0.0 1.9	0.0 0.4 44.8 23.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	11.7 5.6 -44.8 -23.5 4.7 2.8 0.0 1.8 0.7 1.6 0.7 0.0 -50.4 -53.7 -20.5 0.0 -28.4 1.5 -4.4 0.0 1.9