

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

बी-9, कृतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 18th May 2019

To,

- 1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 2. कार्यकारी निदेशक, ऊ. क्षे. भा. प्रे. के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली 110016 Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
- 3. कार्यकारी निदेशक, प .क्षे .भा .प्रे .के., एफ3-, एम आई डी सी क्षेत्र , अंधेरी, मुंबई -400093 Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
- 4. मुख्य महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिएह, लोअर नोंग्रह, लापलंग, शिलोंग ७९३००६ Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 5. कार्यकारी निदेशक , द .क्षे .भा .प्रे .के., २९ , रेस कोर्स क्रॉस रोड, बंगलुरु –५६०००९ Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 17.05.2019.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-२०१० की धारा स.-5.5.१ के प्रावधान के अनुसार, दिनांक १७-मई-२०१९ की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट 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 17th May 2019, is available at the NLDC website.

धन्यवाद,

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

Date of Reporting Report for previous day 18-May-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	43471	50202	43299	22033	2293	161298
Peak Shortage (MW)	522	0	30	0	306	858
Energy Met (MU)	1089	1223	1037	484	43	3874
Hydro Gen (MU)	252	50	68	67	16	454
Wind Gen (MU)	9	89	72			169
Solar Gen (MU)*	23.95	26.8	81.99	2.14	0.03	135
Energy Shortage (MU)	10.9	0.0	0.1	0.0	1.7	12.7
Maximum Demand Met during the day	51209	54139	45058	23164	2399	170600
(MW) & time (from NLDC SCADA)	00:00	15:02	12:30	21:48	19:03	00:00

B. Frequency Profile (%)
Region
All India FVI <49.7 49.7-49.8 49.8-49.9 <49.9 49.9-50.05 > 50.05 0.038 19.27

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU
	Punjab	6285	0	137.9	77.1	-1.7	232	0.0
	Haryana	7199	0	143.5	112.5	-4.2	148	0.0
	Rajasthan	9602	0	192.2	53.1	-2.4	643	0.0
NR	Delhi	4855	0	100.9	89.9	0.0	219	0.1
	UP	19050	0	394.2	173.8	-1.6	467	0.0
	Uttarakhand	1992	0	40.8	19.0	-0.9	135	0.0
	HP	1402	0	28.2	7.6	1.3	190	0.0
	J&K	2178	544	46.1	25.4	-0.4	306	10.8
	Chandigarh	225	0	4.7	5.8	-1.0	0	0.0
	Chhattisgarh	4069	0	94.1	43.4	-0.6	352	0.0
	Gujarat	16922	0	374.3	83.0	3.8	807	0.0
WR MP Maharasht Goa DD DNH Essar steel		9390	0	216.6	102.9	0.0	641	0.0
	Maharashtra	21799	0	495.1	122.4	0.3	572	0.0
	Goa	541	0	11.5	11.3	-0.4	60	0.0
	DD	332	0	7.3	6.8	0.5	40	0.0
	DNH	765	0	17.9	18.0	-0.1	52	0.0
	Essar steel	304	0	5.9	5.7	0.2	285	0.0
	Andhra Pradesh	9272	0	197.4	50.2	0.3	535	0.0
	Telangana	8000	0	175.9	50.9	0.1	659	0.0
SR	Karnataka	11299	0	222,2	62.6	-0.1	628	0.0
3K	Kerala	4142	0	83.6	60.8	1.4	225	0.0
	Tamil Nadu	15273	0	348.3	171.5	1.2	594	0.0
	Pondy	429	30	9.2	9.2	0.0	41	0.1
	Bihar	5364	0	103.1	99.6	-0.9	200	0.0
	DVC	3219	0	67.6	-47.0	-0.9	250	0.0
ER	Jharkhand	1236	0	28.9	18.3	1.3	150	0.0
EK	Odisha	4378	0	90.0	24.5	3.0	500	0.0
	West Bengal	9400	0	192.9	66.1	0.6	400	0.0
	Sikkim	90	0	1.1	1.4	-0.3	20	0.0
	Arunachal Pradesh	138	2	2.3	2.5	-0.2	32	0.0
	Assam	1430	80	24.8	19.8	1.1	137	1.2
	Manipur	178	2	2.3	2.3	0.0	24	0.0
NER	Meghalaya	296	0	5.0	3.1	-0.1	33	0.4
	Mizoram	90	3	1.7	1.3	0.4	18	0.0
	Nagaland	115	2	2.1	2.1	0.0	17	0.0
	Tripura	229	20	4.4	3.9	-0.6	88	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.8	-9.7	-25.6
Day peak (MW)	520.6	-500.9	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.0	-275.2	103.9	-39.3	-9.3	0.1
Actual(MU)	196.9	-274.8	130.8	-37.9	-11.0	4.0
O/D/U/D(MU)	-23.1	0.4	26.9	1.4	-1.7	3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4907	12759	8472	1350	35	27524
State Sector	9855	12575	3520	3405	50	29405
Total	14762	25334	11992	4755	85	56928
•						

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1249	567	474	12	2835
Lignite	15	15	48	0	0	78
Hydro	252	50	68	67	16	454
Nuclear	28	31	35	0	0	94
Gas, Naptha & Diesel	28	50	15	0	29	122
RES (Wind, Solar, Biomass & Others)	56	121	181	2	0	360
Total	912	1516	913	543	58	3942

Share of RES in total generation (%)	6.10	8.00	19.82	0.40	0.05	9.14
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.82	13.36	31.05	12.80	28.10	23.02

H. Diversity Factor All India Demand Diversity Factor

1.031 Diversity factor = Sum of regional maximum demands / All India maximum demand

 $[\]textbf{*\underline{Source}:} \ RLDCs \ for \ solar \ connected \ to \ ISTS; \ SLDCs \ for \ embedded \ solar. \ Limited \ visibility \ of \ embedded \ solar \ data.$

						Date of 1	Reporting :	18-May
								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)
_	xport of	ER (With NR)						
1	7651-37	GAYA-VARANASI	D/C	354	116	0.9	0.0	0.9
3	765kV	SASARAM-FATEHPUR GAYA-BALIA	S/C S/C	310 0	66 232	0.0	1.5 3.6	-1.5 -3.6
4		ALIPURDUAR-AGRA	3/C	0	902	0.0	21.3	-21.3
5	HVDC	PUSAULI B/B	S/C	0	49	0.0	1.3	-1.3
6		PUSAULI-VARANASI	S/C	0	138	0.0	2.0	-2.0
7		PUSAULI -ALLAHABAD	S/C	79	0	0.9	0.0	0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	189	412	0.0	3.8	-3.8
9	$400~\rm kV$	PATNA-BALIA	Q/C	187	465	0.0	9.1	-9.1
10		BIHARSHARIFF-BALIA	D/C	51	234	0.0	3.7	-3.7
11		MOTIHARI-GORAKHPUR	D/C	0	324	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	326	62	1.2	0.0	1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	4.2	-4.2
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16	132 KV	KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
					ER-NR	3.4	55.9	-52,5
port/E	xport of	ER (With WR)	, ,			-		1
18		JHARSUGUDA-DHARAMJAIGARH	Q/C	2679	0	34.2	0.0	34.2
19	765 kV	NEW RANCHI-DHARAMJAIGARH	D/C	1076	0	15.2	0.0	15.2
20		JHARSUGUDA-DURG	D/C	255	43	2.2	0.0	2.2
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	498	0	6.1	0.0	6.1
22	+00 K V	RANCHI-SIPAT	D/C	365	0	5.4	0.0	5.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	2	88	0.0	1.0	-1.0
24	220 11 1	BUDHIPADAR-KORBA	D/C	173	0	2.5	0.0	2.5
					ER-WR	65.6	1.0	64.6
	_	ER (With SR)			1			
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1750.0	0.0	31.9	-31.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	673.0	0.0	13.9	-13.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	41.2	-41.2
28	400 kV	TALCHER-I/C	D/C	228.0	1238.0	0.0	6.9	-6.9
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0 ER-SR	0.0	0.0 87.0	0.0 -87.0
30 31	xport of 400 kV	ER (With NER) BINAGURI-BONGAIGAON ALIPURDUAR-BONGAIGAON	D/C D/C	0 442	428	0.0 6.3	4.5	-4 6
32	220 kV	ALIPURDUAR-SALAKATI	D/C	45	52	0.2	0.0	0
		I.			ER-NER	6.5	4.5	2.0
port/E	vnort of	NER (With NR)						
33	Aport or	TAEK (WILLIAK)						
	HVDC	BISWANATH CHARIALI-AGRA	-	0	403	0.0	9.7	-9.7
	HVDC	BISWANATH CHARIALI-AGRA	-	0	403 NER-NR	0.0	9.7 9.7	-9.7 - 9.7
port/E	HVDC	BISWANATH CHARIALI-AGRA WR (With NR)		•	NER-NR	0.0	9.7	-9.7
port/E	HVDC xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA	D/C	0	NER-NR 2004	0.0	9.7 30.2	-9.7 -30.2
34 35	HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B	D/C D/C	0 206	2004 0	0.0 6.2	9.7 30.2 0.0	-9.7 -30.2 6.2
34 35 36	HVDC xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG	D/C D/C D/C	0 206 0	NER-NR 2004 0 1452	0.0 0.0 6.2 0.0	9.7 30.2 0.0 36.3	-9.7 -30.2 6.2 -36.3
34 35 36 37	HVDC xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA	D/C D/C D/C D/C	0 206 0	NER-NR 2004 0 1452 2462	0.0 0.0 6.2 0.0 0.0	30.2 0.0 36.3 38.4	-9.7 -30.2 6.2 -36.3 -38.4
34 35 36 37 38	HVDC xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR	D/C D/C D/C D/C D/C D/C	0 206 0 0 26	2004 0 1452 2462 1081	0.0 6.2 0.0 0.0 0.0	9.7 30.2 0.0 36.3 38.4 13.6	-9.7 -30.2 6.2 -36.3 -38.4 -13.6
34 35 36 37 38 39	HVDC xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI	D/C D/C D/C D/C D/C D/C D/C D/C	0 206 0 0 26	2004 0 1452 2462 1081 769	0.0 6.2 0.0 0.0 0.0 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4
34 35 36 37 38 39 40	HVDC xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI	D/C D/C D/C D/C D/C D/C D/C S/C	0 206 0 0 26 0 587	2004 0 1452 2462 1081 769 0	0.0 6.2 0.0 0.0 0.0 0.0 0.0 7.1	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0	-9.7 -30.2 -6.2 -36.3 -38.4 -13.6 -20.4 7.1
34 35 36 37 38 39 40 41	HVDC xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI	D/C D/C D/C D/C D/C D/C S/C S/C	0 206 0 0 26 0 587	2004 0 1452 2462 1081 769 0 1309	0.0 6.2 0.0 0.0 0.0 0.0 0.0 7.1	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4
34 35 36 37 38 39 40 41 42	HVDC xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C D/C	0 206 0 0 26 0 587 0 91	2004 0 1452 2462 1081 769 0 1309 404	0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9	-9.7 -30.2 -30.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9
34 35 36 37 38 39 40 41 42 43	HVDC xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C	0 206 0 0 26 0 587 0 91	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70	0.0 6.2 0.0 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0	-9.7 -30.2 -6.2 -36.3 -38.4 -13.6 -20.4 -7.1 -27.4 -2.9 -1.6
34 35 36 37 38 39 40 41 42 43 44	HVDC xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA - BHINMAL	D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C	0 206 0 0 26 0 587 0 91 170 48	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190	0.0 6.2 0.0 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0	-9.7 -30.2 -6.2 -36.3 -38.4 -13.6 -20.4 -7.1 -27.4 -2.9 -1.6 -1.0
34 35 36 37 38 39 40 41 42 43 44 45	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND	D/C D/C 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	0 206 0 0 26 0 587 0 91 170 48	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0	-9.7 -30.2 -36.3 -36.3 -38.4 -13.6 -20.4 -7.1 -27.4 -2.9 -1.6 -1.0 -12.6
34 35 36 37 38 39 40 41 42 43 44 45 46	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARRH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR	D/C D/C 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 D/C	0 206 0 0 26 0 587 0 91 170 48 973 322	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187	0.0 0.0 6.2 0.0 0.0 0.0 7.1 0.0 0.0 12.6 1	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6
34 35 36 37 38 39 40 41 42 43 44 45 46 47	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36	0.0 0.0 6.2 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK	D/C D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	HVDC xport of HVDC 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	HVDC xport of HVDC 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 1110 30 47	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0
34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-SHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.0 0.0 0.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-KOTA BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR)	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 0 187 36 110 30 47 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 1.0 172.1	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 39 40 41 41 42 43 44 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 0.0 0.0 0.1 0.5 0.0 172.1	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of HVDC	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL-RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR	D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL-MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-WOTA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD	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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1 18.4 0.0 33.0 33.4	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 51	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of HVDC LINK	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARI-BANASKANTHA ZERDA-KANKROLI ZERDA -BHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-WOTA BHANPURA-WOTA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-KUDGI	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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1 18.4 0.0 33.0 33.4 3.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 -0.1 -0.9 0.2 -0.5 0.0 -137.5
34 35 36 37 38 38 39 40 41 42 43 44 45 46 47 48 49 50 51 51 52 53 54 55 55	#VDC xport of HVDC 765 kV 400 kV 220 kV xport of HVDC LINK 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-SHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-KOTA BHANPURA-WORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARSWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR 985 0 2486 2392 183 0	0.0 0.0 6.2 0.0 0.0 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.4 -3.0 0.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 **port/E** 52 53 54 55 56 57 58	HVDC xport of HVDC 765 kV 400 kV 220 kV 132kV xport of HVDC LINK 765 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-KOTA BHANPURA-WORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI	D/C D/C 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 S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.4 -3.0 0.0 0.0
34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 51 52 53 54 55 55	#VDC xport of HVDC 765 kV 400 kV 220 kV xport of HVDC LINK 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA VCHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-SHINMAL VCHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-KOTA BHANPURA-WORAK MEHGAON-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHARSWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NIZAMBAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI	D/C D/C D/C D/C D/C D/C D/C D/C S/C S/C S/C S/C S/C S/C D/C S/C S/C S/C S/C S/C S/C S/C S/C S/C S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR 985 0 2486 2392 183 0 0 53	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 5.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.4 -3.0 0.0 0.0 1.1
port/E2 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 port/E2 52 53 54 55 56 57 58	#VDC xport of HVDC 765 kV 400 kV 220 kV xport of HVDC LINK 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZHMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	D/C D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 0.0 0.4 0.9 0.1 0.5 0.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.9 0.2 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.4 -3.0 0.0 0.0
port/E: 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 port/E: 52 53 54 55 55 55 55	#VDC xport of HVDC 765 kV 400 kV 220 kV xport of HVDC LINK 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L.SILERU SOLAPUR-RAICHUR WARDHA-NICAMABAD KOLHAPUR-KUDGI KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI	D/C D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 5.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.4 -3.0 0.0 0.0 1.1
port/E2 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 port/E2 52 53 54 55 56 57 58	#VDC xport of HVDC 765 kV 400 kV 220 kV xport of HVDC LINK 765 kV 400 kV	BISWANATH CHARIALI-AGRA WR (With NR) CHAMPA-KURUKSHETRA V'CHAL B/B APL -MHG GWALIOR-AGRA PHAGI-GWALIOR JABALPUR-ORAI GWALIOR-ORAI SATNA-ORAI CHITTORGARH-BANASKANTHA ZERDA-KANKROLI ZERDA-BHINMAL V'CHAL -RIHAND RAPP-SHUJALPUR BHANPURA-KOTA BHANPURA-MORAK MEHGAON-AURAIYA MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR WR (With SR) BHADRAWATI B/B BARSUR-L-SILERU SOLAPUR-RAICHUR WARDHA-NIZHMABAD KOLHAPUR-CHIKODI PONDA-AMBEWADI XELDEM-AMBEWADI XELDEM-AMBEWADI	D/C D/C 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 S	0 206 0 0 26 0 587 0 91 170 48 973 322 73 13 49 18 0	NER-NR 2004 0 1452 2462 1081 769 0 1309 404 70 190 0 187 36 110 30 47 0 WR-NR	0.0 0.0 6.2 0.0 0.0 0.0 0.0 7.1 0.0 0.0 1.6 0.0 12.6 1 0.3 0.0 0.3 0.0 0.0 28.7	9.7 30.2 0.0 36.3 38.4 13.6 20.4 0.0 27.4 2.9 0.0 1.0 0.0 0.4 0.9 0.1 0.5 5.0 172.1 18.4 0.0 33.0 33.4 3.0 0.0 0.0	-9.7 -30.2 6.2 -36.3 -38.4 -13.6 -20.4 7.1 -27.4 2.9 1.6 -1.0 12.6 1 -0.1 -0.5 0.0 -137.5 -18.4 0.0 -33.0 -33.0 0.0 0.0 1.1